



Report on ASP challenges SI can answer

Deliverable D.T2.1.1

## Index

|      |                                                                                                                                          |    |
|------|------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1.   | ABSTRACT .....                                                                                                                           | 3  |
| 2.   | COMMON CHALLENGES .....                                                                                                                  | 4  |
| 3.   | ANALYSIS OF ANNEX 2 .....                                                                                                                | 4  |
| 3.1  | SWOT – Economy.....                                                                                                                      | 4  |
| 3.2  | Clue for challenges in Economy .....                                                                                                     | 6  |
| 3.3  | SWOT - Population and social conditions .....                                                                                            | 6  |
| 3.4  | Clue for challenges in Population and social conditions.....                                                                             | 9  |
| 3.5  | SWOT - Environment and energy.....                                                                                                       | 9  |
| 3.6  | Clue for challenges in Environment and Energy .....                                                                                      | 11 |
| 3.7  | SWOT - Transport.....                                                                                                                    | 11 |
| 3.8  | Clue for challenges in Transport .....                                                                                                   | 12 |
| 3.9  | SWOT - Agriculture .....                                                                                                                 | 12 |
| 3.10 | Clue for challenges in Agriculture .....                                                                                                 | 14 |
| 3.11 | SWOT – Science, technology and digital society.....                                                                                      | 14 |
| 3.12 | Clue for challenges in Science, technology and digital society .....                                                                     | 16 |
| 4.   | ANALYSIS OF ANNEXES 3 AND 4 .....                                                                                                        | 17 |
| 5.   | ANALYSIS OF ANNEX 5 .....                                                                                                                | 21 |
| 6.   | ANALYSIS OF ANNEX 6 .....                                                                                                                | 23 |
| 6.1  | Increase connection and common governance between urban, rural and mountain area .....                                                   | 27 |
| 6.2  | Increase the Employment (young, disadvantaged and elderly people) Promote .....                                                          | 28 |
| 6.3  | Develop a collaborative, aware community and proximity services .....                                                                    | 29 |
| 6.4  | Make cities inclusive, safe, resilient and sustainable.....                                                                              | 30 |
| 6.5  | Improve high, skilled and digital education and training (school, disadvantaged people, economic sectors, SME, Public authorities) ..... | 30 |
| 7.   | COMMON CHALLENGES.....                                                                                                                   | 31 |



## 1. ABSTRACT

This report provides insights into the main challenges in ASP regions, helping to identify axes of cooperation and development on SI for a shared ASP strategy.

The methodology adopted by partners to define the main challenges was divided into three phases:



This scheme has been used by partners, with adaptations for each local context, following a bottom-up approach. The results defined a common frame to define the common challenges which Social Innovation can answer.

The analysis of the results of each partner highlights a variety of point of view on each subject: this represents a richness in terms of possible solutions but at the same time it faces the risk of being too generic in the synthesis.

Swot analysis are the best tool to understand the local contexts in which partners do operate. We considered opportunities and threats not modifiable, to operate on strengths and weaknesses in defining possible actions. Results are organized in terms of:

- Work common strength points
- Reduce weaknesses
- Implement the opportunities
- Reduce risks

Some big themes and challenge fields are defined in order to organize the common challenges

Challenges fields, key elements coming out from swots analysis and various annexes provided (particularly annex 6) are:

- Connection and governance between urban, peri-urban, rural and mountain areas
- Employment, particularly for young people, workers over 55 and vulnerable workers; difficulty related to job searching; the need of adequate competences to face up the needs of the job market
- Ageing of the population and related issues (welfare services and facilities, inadequacy of the social system, vulnerability)
- Need to define new tools for the evaluation of social impacts, to attract new investors in disadvantaged areas
- Depopulation of rural and mountain areas
- Pauperization of urban areas
- Better connections between rural and urban areas; better public transportation in urban and



rural areas

- Less polluting forms of transport, better fitting local communities' needs;
- digital divide between urban areas and rural/mountain areas;
- Production and consumption models more suitable to rural and mountain communities
- Adaptation to climate change

## 2. COMMON CHALLENGES

On the basis of the priority assigned to challenge fields; considering the analysis of the documents following filled by each partner, 3 challenges are proposed, related to various themes.



## 3. ANALYSIS OF ANNEX 2

From the social, economic and institutional data collection (Annex 1), Partners have identified strengths and weaknesses, opportunities and threats in order to arise important details and local peculiarities for each topic.

The aim of Annex 2 analysis is to provide a clear and complete knowledge on social, economic and institutional issues in each territory.

SWOT matrix of each Partner, is developed according to Annex 1 MACRO-TOPICS: *Economy, Population and social conditions, Environment and energy, Transport, Agriculture, Science, Technology and digital society.*

Through SWOT analysis Partners have investigated on main issues in their country in order to gather internal and external factors that are favourable and unfavourable, significant details so that it is possible to achieve priority challenges in their country.

In order to identify and describe different common needs/challenges of ASP region, it's been useful and necessary to organize the issues descriptions "**DESCRIPTIONS Problems/issues**", of each Partner (**LP, P3, P4, P5, P8**) and collect them in macro topics of Agenda 2030 "**SGD Agenda 2030**", and different categories that may be defined "**Challenges Field**".

This part of the work should include important clues for challenges drafts.

### 3.1 SWOT – Economy

| SWOT - Economy |           |           |            |               |         |            |
|----------------|-----------|-----------|------------|---------------|---------|------------|
|                | SUB TOPIC | Strengths | Weaknesses | Opportunities | Threats | CHALLENGES |
|                |           |           |            |               |         |            |



|                     |               |                                         |                                                             |                                                                                 |                                                         |                                 |
|---------------------|---------------|-----------------------------------------|-------------------------------------------------------------|---------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------|
| CUAS-P3             | Employment    |                                         | Youth unemployment                                          |                                                                                 |                                                         |                                 |
|                     | GDP           |                                         | Low per-capita GDP                                          |                                                                                 |                                                         |                                 |
| S2i-P4              | Urbanisation  | City development                        | Shortage of liveable spaces                                 | New houses, better connection to suburban areas, new forms of housing in cities | No affordable housing in cities                         | Housing shortage in urban areas |
| RA<br>Kozjansko- P5 | Labour market | Existing programs for youth employment  | Inefficient system of labour offices                        | Untapped potential of young educated                                            | Precarious work                                         |                                 |
|                     |               | Existing needs for workers              | Brain drain                                                 | Greater flexibility of young people                                             | Stability of employment                                 |                                 |
|                     |               |                                         | Poor compliance with labour law obligations                 |                                                                                 | Practical non-existing employment of elderly unemployed |                                 |
|                     |               |                                         | The gap between the educational structure and the job offer |                                                                                 | Creating new vulnerable groups                          |                                 |
| CCIAATo- P8         | Labour market | Youth unemployment high but in decrease | Youth unemployment.                                         | Green Economy                                                                   | Aging entrepreneurial                                   | Increase the youth employment   |
|                     |               | Work culture and entrepreneurship       | Aging entrepreneurial                                       | Development of innovative services for collaborative communities.               |                                                         |                                 |



| SWOT – Economy |               |                                                                                                                                                                                     |                                                                                                                                              |                                                                                                                             |                                                                                                                       |                             |
|----------------|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------|
|                | SUB TOPIC     | Strengths                                                                                                                                                                           | Weaknesses                                                                                                                                   | Opportunities                                                                                                               | Threats                                                                                                               | CHALLENGES                  |
|                |               | Historical-cultural and landscape heritage (UNESCO)                                                                                                                                 | Low level of workforce education                                                                                                             |                                                                                                                             |                                                                                                                       |                             |
| LP e L2        | Labour market | The enterprise creation in Rhône-Alpes represents 12% of national enterprise creation. Furthermore, the enterprise survival rate at 5 years is above French average in Rhône Alpes. | Some contractors don't manage to finance their projects (by lack or of funding removal), or ignore so many key points about entrepreneurship | There is many business support schemes in the area. It was found that the enterprise survival rate is better with a support | We are in the economic context characterized by a strong competition. Some enterprises, notably smalls cannot keep up | Support of small businesses |

### 3.2 Clue for challenges in Economy

| SGD Agenda 2030                                                                                                                                   | CHALLENGES FIELD                                                                                                                                         | DESCRIPTIONS Problems/issues                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>8. Promote inclusive and sustainable economic growth, employment and decent work for all</p> <p>1. End poverty in all its forms everywhere</p> | <p><b>INCREASE THE EMPLOYMENT</b> (young, disadvantaged and elderly people) <b>PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS</b></p> | Youth unemployment <b>P3 - P8</b>                                                                                                                      |
|                                                                                                                                                   |                                                                                                                                                          | Practical non-existing employment of elderly unemployed <b>P5</b>                                                                                      |
|                                                                                                                                                   |                                                                                                                                                          | Aging entrepreneurial <b>P8</b>                                                                                                                        |
|                                                                                                                                                   |                                                                                                                                                          | Enterprises, notably smalls cannot keep up <b>LP</b>                                                                                                   |
|                                                                                                                                                   |                                                                                                                                                          | Brain drain <b>P5</b>                                                                                                                                  |
| <p>11. Make cities inclusive, safe, resilient and sustainable</p>                                                                                 | <p><b>MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE</b></p>                                                                                      | Some contractors don't manage to finance their projects (by lack or of funding removal), or ignore so many key points about entrepreneurship <b>LP</b> |
|                                                                                                                                                   |                                                                                                                                                          | Precarious work and new vulnerable group <b>P5</b>                                                                                                     |
| <p>4. Provide quality, fair and inclusive education and learning opportunities for all</p>                                                        | <p><b>IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING</b> (school, disadvantaged people, economic sectors, SME, Public authorities)</p>         | No affordable housing in cities <b>P4</b>                                                                                                              |
|                                                                                                                                                   |                                                                                                                                                          | Inefficient system of labour offices <b>P5</b>                                                                                                         |
|                                                                                                                                                   |                                                                                                                                                          | Low level of workforce education <b>P8</b>                                                                                                             |
|                                                                                                                                                   |                                                                                                                                                          | The gap between the educational structure and the job offer <b>P5</b>                                                                                  |

### 3.3 SWOT - Population and social conditions



| SWOT - Population and social conditions |                                             |                                                                                   |                                                                                                    |                                                                           |                                                                                 |                                                                                         |
|-----------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|                                         | SUB TOPIC                                   | Strengths                                                                         | Weaknesses                                                                                         | Opportunities                                                             | Threats                                                                         | CHALLENGES                                                                              |
| CUAS-P3                                 | Living conditions                           | Population at-risk-of-poverty rate                                                | Demographic development/ageing population                                                          |                                                                           | Demographic development/ageing population leads to economic and social problems | Problem has been identified, but to tackle it an integrated approach is necessary       |
| S2i-P4                                  | Population (human resources)/ Labour market |                                                                                   | Work force needed                                                                                  | alternative working models, Immigration                                   | Soon one in three people in BW will be older than 60 years!                     | AGING SOCIETY - Demographic change - Aging society - shortage of work force             |
|                                         | Population/ Education/Training              | New labour force                                                                  | Challenging integration of all groups                                                              | development of disadvantaged grouped - economic and social advantages     | Acceptance of others, not enough tolerance, different social values             | INTEGRATION - Migration - professional development of disadvantaged groups              |
|                                         | Health/Population                           |                                                                                   | Many elderly people that will have to be taken care of                                             | new organization, digitalisation, automatization                          | Too much pressure on the next generation                                        | HEALTH - Aging society                                                                  |
|                                         | Education/Training                          | Possibility to include disadvantaged groups, develop/educate all parts of society | Groups missing out due to social or cultural background, or disability                             | More targeted education and qualification                                 | Not managing to include everyone                                                | EDUCATION - Child care and Education - professional development of disadvantaged groups |
|                                         | Municipal decision-making processes         | possibility to reach more people                                                  | Not enough awareness raising, communication, possibility of participation and level of bureaucracy | Find new ways of citizen participation (through digitizing activities...) | Populism and extremists                                                         | DEMOCRACY - citizen participation                                                       |
| RA Kozjansko-P5                         | Social conditions                           | Maternity leave                                                                   | Control of social transfers                                                                        | Intergenerational cooperation                                             | Collapse of the social system                                                   |                                                                                         |
|                                         |                                             | Healthcare                                                                        |                                                                                                    | Connecting stakeholders from all segments of society                      |                                                                                 |                                                                                         |
|                                         |                                             | Safety                                                                            |                                                                                                    |                                                                           | Demographic trends                                                              |                                                                                         |
|                                         |                                             | Preschool public care                                                             |                                                                                                    |                                                                           |                                                                                 |                                                                                         |
|                                         |                                             | Free education                                                                    |                                                                                                    |                                                                           |                                                                                 |                                                                                         |
|                                         | Common governance                           | Know how still exists (from former economic system)                               | Individual over community                                                                          | Sustainable orientation                                                   | Orientation towards market exploitation of results                              |                                                                                         |



| SWOT - Population and social conditions |                                                                      |                                                                                                                                     |                                                                                                                                                             |                                                                                                                                       |                                                                       |                                                                              |
|-----------------------------------------|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------|
|                                         | SUB TOPIC                                                            | Strengths                                                                                                                           | Weaknesses                                                                                                                                                  | Opportunities                                                                                                                         | Threats                                                               | CHALLENGES                                                                   |
|                                         |                                                                      | Involvement in management - the effort to succeed is greater                                                                        | Avoidance of responsibility                                                                                                                                 | New jobs                                                                                                                              |                                                                       |                                                                              |
|                                         |                                                                      | Cost reduction                                                                                                                      |                                                                                                                                                             | More solidarity                                                                                                                       |                                                                       |                                                                              |
|                                         |                                                                      | Innovative finance                                                                                                                  | Crowdfunding                                                                                                                                                | Control                                                                                                                               | Sustainability                                                        | Speculation                                                                  |
|                                         |                                                                      |                                                                                                                                     | Crypto currencies                                                                                                                                           | Development                                                                                                                           | Easier access                                                         |                                                                              |
|                                         |                                                                      |                                                                                                                                     | Local currencies                                                                                                                                            | Risk                                                                                                                                  |                                                                       |                                                                              |
| CCIAATo- P8                             | Social conditions                                                    | Increasing education                                                                                                                | Poor propensity to networking                                                                                                                               | Develop a collaborative community                                                                                                     | Population aging.                                                     | Urban regeneration: make urban neighbourhoods more liveable                  |
|                                         |                                                                      | Experience of urban regeneration in Turin                                                                                           | Mountain demographic fragility                                                                                                                              |                                                                                                                                       | Decreasing services in peri-urban e rural areas                       | Develop a collaborative community through proximity services                 |
|                                         |                                                                      | Project of SI to increase collaborative community                                                                                   |                                                                                                                                                             |                                                                                                                                       |                                                                       |                                                                              |
|                                         | Common governance                                                    | Territorial governance improved.                                                                                                    | Excessive municipal fragmentation                                                                                                                           | Improving of territorial governance                                                                                                   | Decrease in. mountain population                                      | Common governance between metropolitan areas, peri-urban areas and mountains |
|                                         |                                                                      |                                                                                                                                     |                                                                                                                                                             | Improve the efficient of local authorities                                                                                            |                                                                       |                                                                              |
| Innovative finance                      | Good experience of collaboration between public and private sectors. | Number of third sector enterprises able to develop SI projects                                                                      | Public and private financing                                                                                                                                | Method of allocation resources                                                                                                        | Developing innovative financial instruments on social impact projects |                                                                              |
|                                         |                                                                      |                                                                                                                                     |                                                                                                                                                             |                                                                                                                                       |                                                                       | Network of SI projects                                                       |
| LP e L2                                 | Education                                                            | The area has many education and formation structures. We can see some studying cities like Lyon, Grenoble, or Chambéry for example. | Unemployment is a problem for Rhône Alpes. Although the area unemployment rate be less than French rate, the grow unemployment rate is faster for the area. | Some european initiatives like FEDER are in the process of unlocked funds to favor qualification throughout life for every formation. | The area still very exposed at the economic crisis.                   | Invest in education and training                                             |



### 3.4 Clue for challenges in Population and social conditions

| SGD Agenda 2030                                                                                                                                                                                                                                                                            | CHALLENGES FIELD                                                                                                                                         | DESCRIPTIONS Problems/issues                                                                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. Provide quality, fair and inclusive education and learning opportunities for all                                                                                                                                                                                                        | IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING (school, disadvantaged people, economic sectors, SME, Public authorities)                       | Education and training <b>LP</b>                                                                                                                                     |
| 3. Ensure healthy lives and promote well-being for all at all ages 16. Promote just, peaceful and inclusive societies<br>17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships | DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES                                                                                          | Population aging <b>P8 - P4</b>                                                                                                                                      |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Challenging integration of all groups <b>P4</b>                                                                                                                      |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Demographic development/ageing population <b>P3</b>                                                                                                                  |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Collapse of the social system <b>P5</b>                                                                                                                              |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Poor propensity to networking <b>P8</b>                                                                                                                              |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Acceptance of others, not enough tolerance, different social values <b>P4</b>                                                                                        |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Individual over community, avoidance of responsibility <b>P5</b>                                                                                                     |
| 11.a Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning                                                                                                                       | INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS (sustainable technology, economy, transport, agriculture, environment) | Acceptance of others, not enough tolerance, different social values <b>P4</b>                                                                                        |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Excessive municipal fragmentation <b>P8</b>                                                                                                                          |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Decreasing services in peri-urban e rural areas <b>P8</b>                                                                                                            |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Speculation <b>P5</b>                                                                                                                                                |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | Decrease in. mountain population <b>P8</b>                                                                                                                           |
| 8. Promote inclusive and sustainable economic growth, employment and decent work for all                                                                                                                                                                                                   | INCREASE THE EMPLOYMENT (young, disadvantaged and elderly people) PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS                      | Method of allocation resources <b>P8</b>                                                                                                                             |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | To much pressure on the next generation <b>P4</b>                                                                                                                    |
|                                                                                                                                                                                                                                                                                            |                                                                                                                                                          | The area still very exposed at the economic crisis, Unemployment is a problem for the area <b>LP</b><br>Orientation towards market exploitation of results <b>P5</b> |

### 3.5 SWOT - Environment and energy

| SWOT - Environment ad energy |                                                          |                                                      |                                                                                                      |                                                                    |                                               |                                            |
|------------------------------|----------------------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------|--------------------------------------------|
|                              | SUB TOPIC                                                | Strengths                                            | Weaknesses                                                                                           | Opportunities                                                      | Threats                                       | CHALLENGES                                 |
| S2i-P4                       | Sustainability (sustainable production/ sustainable use) | Possibility to develop new sustainable products      | Focus on sustainability and sustainable goods not yet set                                            | Involve public and create awareness for sustainable consumer goods | Economical interest vs. Sustainability        | Sustainability/ Sustainable consumer goods |
| RA Kozjansko-P5              |                                                          | Renewable resources (lesser pressure on environment) | Abandoning highland and mountain farms (reduction in cultural landscape – contraction of ecosystems) | Green tourism                                                      | Economic interest prevails over environmental |                                            |



| SWOT - Environment ad energy |             |                                                               |                                                                                                                                                                      |                                                                                                                                                                                                              |                                                                                                                                                               |                                                       |
|------------------------------|-------------|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
|                              | SUB TOPIC   | Strengths                                                     | Weaknesses                                                                                                                                                           | Opportunities                                                                                                                                                                                                | Threats                                                                                                                                                       | CHALLENGES                                            |
|                              |             | Geostrategic position of the country                          | Control of human activity is deficient                                                                                                                               | Green economy                                                                                                                                                                                                |                                                                                                                                                               |                                                       |
|                              |             | Relative clean environment                                    | Thinking – lack of ecological awareness)                                                                                                                             | Recycling                                                                                                                                                                                                    |                                                                                                                                                               |                                                       |
|                              |             | Clean water                                                   |                                                                                                                                                                      | Choice of users (to use green products)                                                                                                                                                                      |                                                                                                                                                               |                                                       |
|                              |             | Wood                                                          |                                                                                                                                                                      |                                                                                                                                                                                                              |                                                                                                                                                               |                                                       |
|                              |             | Biotic diversity                                              |                                                                                                                                                                      |                                                                                                                                                                                                              |                                                                                                                                                               |                                                       |
|                              |             | Relatively large protected area                               |                                                                                                                                                                      |                                                                                                                                                                                                              |                                                                                                                                                               |                                                       |
| CCIAATo-P8                   |             | Natural heritage                                              | Soil consumption                                                                                                                                                     | Improvement of touristic offer with natural heritage                                                                                                                                                         | Natural risk                                                                                                                                                  | INCREASE THE CAPACITY OF ADAPTATION TO CLIMATE CHANGE |
|                              |             | Network of protected areas (Natura 2000)                      | Delays in capacity of adaptation to climate change                                                                                                                   |                                                                                                                                                                                                              |                                                                                                                                                               |                                                       |
| LP e L2                      | Energy      | Natural territory, surrounded by power source                 | That land requires important transport infrastructures, involving pollution. Moreover, residential sector is the second most GAS emitting sector                     | Rhône Alpes is the French leader in term of hydropower (20% of French production). It is a big potential for sustainable energies use                                                                        | Insensitivity of citizens, not included in the local                                                                                                          | 3) Favor sustainable energies use                     |
|                              | Environment | The building and industrial sector are creators of employment | The transport and residential sector are the two most GAS emitting sector (respectively 38% and 27%). Moreover The industrialization is very significant in the area | The alternative transport economy represent a true economic level and employment creator. Furthermore, the Grenelle law provides to renovate some old buildings to consumers of energy and emissaries of CO2 | Some lands are affected by CO2 emission due by industrial and goods transports, like "L'Arve valley", one of most affected territory by pollution, in France. | 4) Energy Transition with a low CO2 emission economy  |

### 3.6 Clue for challenges in Environment and Energy

| SGD Agenda 2030                                                                                                                                                                                                         | CHALLENGES FIELD                                                                                                                                         | DESCRIPTIONS Problems/issues                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16. Promote just, peaceful and inclusive societies<br>17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships | DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES                                                                                          | Control of human activity is deficient <b>P5</b><br>Thinking – lack of ecological awareness) <b>P5</b>                                                                                                                                                                                                                                                                               |
| 11.a Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning                                                    | INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS (sustainable technology, economy, transport, agriculture, environment) | Abandoning highland and mountain farms (reduction in cultural landscape – contraction of ecosystems <b>P5</b>                                                                                                                                                                                                                                                                        |
| 13. Take urgent action to combat climate change and its impacts<br>7. Ensure access to affordable, reliable, sustainable and modern energy                                                                              | COMBAT CLIMATE CHANGE AND DEVELOP SUSTAINABLE ENERGY                                                                                                     | Energy Transition with a low CO2 emission economy <b>LP</b><br>Delays in capacity of adaptation to climate change <b>P8</b><br>Soil consumption <b>P8</b><br>Delays in capacity of adaptation to climate change <b>P8</b><br>Some lands are affected by CO2 emission due by industrial and goods transports <b>LP</b><br>Economic interest prevails over environmental <b>P4 -P5</b> |

### 3.7 SWOT - Transport

| SWOT - Transport/ Economy |                                            |                                            |                                               |                                                              |                                        |                                                                                |
|---------------------------|--------------------------------------------|--------------------------------------------|-----------------------------------------------|--------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------|
|                           | SUB TOPIC                                  | Strenghts                                  | Weaknesses                                    | Opportunities                                                | Threats                                | CHALLENGES                                                                     |
| CUAS-P3                   | Home and work                              |                                            |                                               |                                                              | High number of commuters               | Job creation on-site is necessary, but implies private action (of enterprises) |
| S2i-P4                    | Home and work/<br>Employment possibilities |                                            | No (not much) public transport in rural areas | New forms of mobility                                        | Affordable for thinly populated areas? | Structural weakness in rural areas                                             |
|                           |                                            | In general all Kinds of mobility available | Focus on individual transport                 | New forms of mobility in cities as well as in rural areas    | Pollution problems in cities,          | Mobility                                                                       |
| RA Kozjansko-P5           |                                            | Geostrategic position of the country       | High volume of road transport                 | Digitization and electrification of transport infrastructure | High financial cost in infrastructure  |                                                                                |



|            |  |                                                   |                                                                                                 |                                                           |                                                                                   |                                                                             |
|------------|--|---------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
|            |  | prevozi.org (web platform for commuting services) | Poor infrastructure                                                                             | Car sharing and e-mobility                                | Eco-mobility together with green electricity                                      |                                                                             |
|            |  |                                                   | Public transportation (not developed enough)                                                    | Development of new ways of transportation                 |                                                                                   |                                                                             |
|            |  |                                                   | Pollution                                                                                       |                                                           |                                                                                   |                                                                             |
| CCIAATo-P8 |  | Local transport system in Turin                   | Insufficient infrastructure (rail and road)<br>Poor accessibility to mountain areas             | Strengthening of connections to the outside of the region | Implementation delays in infrastructure policies                                  | Sustainable and integrated mobility                                         |
| LP e L2    |  | Natural heritage: landforms                       | That landforms make the accessibility difficult and it especially need needs a lot of transport | Strong tourist attractiveness                             | Risk of pollution accentuated by tourist activity and the flow of goods transport | 6) Favor more respectful and healthy modes of freight and tourism transport |

### 3.8 Clue for challenges in Transport

| SGD Agenda 2030                                                                                                                                                                                                                                                                                           | CHALLENGES FIELD                                                                                                                                         | DESCRIPTIONS Problems/issues                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 11.a Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning                                                                                                                                      | INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS (sustainable technology, economy, transport, agriculture, environment) | Poor accessibility to mountain areas <b>P8</b>                                              |
|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                          | No (not much) public transport in rural areas <b>P4</b>                                     |
|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                          | Implementation delays in infrastructure policies <b>P8</b>                                  |
|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                          | high volume of road transport <b>P5 -LP</b>                                                 |
|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                          | Insufficient infrastructure (rail and road) <b>P8 - P5</b>                                  |
|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                          | High number of commuters <b>P3</b>                                                          |
|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                          | Risk of pollution accentuated by tourist activity and the flow of goods transport <b>LP</b> |
| 11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons | MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE                                                                                                    | High financial cost in infrastructure <b>P5</b>                                             |
|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                          | Public transportation (not developed enough) <b>P5</b>                                      |
|                                                                                                                                                                                                                                                                                                           |                                                                                                                                                          | Pollution <b>P4-P5</b>                                                                      |

### 3.9 SWOT - Agriculture



| SWOT - Agriculture |           |                                                 |                                                                         |                                                 |                             |            |
|--------------------|-----------|-------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------|-----------------------------|------------|
|                    | SUB TOPIC | Strengths                                       | Weaknesses                                                              | Opportunities                                   | Threats                     | CHALLENGES |
| CUAS-P3            | Food      | Short food supply chain                         |                                                                         |                                                 |                             |            |
| RA Kozjansko-P5    |           | relative potential of development in flat areas | Excessive development of intensive agriculture destroys the environment | Local food supply                               | Climate changes             |            |
|                    |           | Know how                                        | Small farms                                                             | Changes in thinking towards greater cooperation | Non-native invasive species |            |
|                    |           | Successful policy measures for young farmers    | Purchasing power of the buyers is small (for eco farm products)         | Vegetables production                           |                             |            |
|                    |           | Few monocultural farms                          | Relief and climate                                                      | Food processing on the farms                    |                             |            |
|                    |           | Revival of old indigenous species and varieties | Poor cooperation                                                        |                                                 |                             |            |

| SWOT - Agriculture |           |                               |                                                                                |                                                                                        |                                                        |                                  |
|--------------------|-----------|-------------------------------|--------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------|----------------------------------|
|                    | SUB TOPIC | Strengths                     | Weaknesses                                                                     | Opportunities                                                                          | Threats                                                | CHALLENGES                       |
| CCIAATo-P8         |           | Excellence in wine production | Aging of farms management                                                      | Reinforcement of agro-food production chains                                           | Climate changes                                        |                                  |
| LP e L2            |           | Natural heritage: landforms   | The mountainous nature of the region makes the harvest of food difficult.      | To develop agriculture would be a source of employment and a way to revitalize economy | The danger with the agriculture, is the pesticides use | Encourage biological agriculture |
|                    |           | Many pastures                 | Furthermore, with the economic crisis, the local consumption is becoming rare. |                                                                                        |                                                        |                                  |



### 3.10 Clue for challenges in Agriculture

| SGD Agenda 2030                                                                                                                                                                                                                                                                                                                        | CHALLENGES FIELD                                                                                                                                         | DESCRIPTIONS Problems/issues                                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| 11.a Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning                                                                                                                                                                   | INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS (sustainable technology, economy, transport, agriculture, environment) | The mountainous nature of the region makes the harvest of food difficult <b>LP</b> |
| 12. Ensure sustainable consumption and production patterns                                                                                                                                                                                                                                                                             | DEVELOP SUSTAINABLE CONSUMPTION AND PRODUCTION INCREASE CIRCULAR ECONOMIES                                                                               | Poor cooperation <b>P5</b>                                                         |
| 2.A Increase investment, including through enhanced international cooperation, in rural infrastructure, agricultural research and extension services, technology development and plant and livestock gene banks in order to enhance agricultural productive capacity in developing countries, in particular least developed countries. |                                                                                                                                                          | Climate change. <b>P8</b>                                                          |
|                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                          | Excessive development of intensive agriculture destroys the environment <b>P5</b>  |
|                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                          | The danger with the agriculture is the pesticides use <b>LP</b>                    |
|                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                          | Aging of farms management <b>P8</b>                                                |

### 3.11 SWOT – Science, technology and digital society

| SWOT - Science, technology and digital society |                                |                                                                                                                                 |                                                                                                        |                                             |                                                                                               |              |
|------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------------------|--------------|
|                                                | SUB TOPIC                      | Strenghts                                                                                                                       | Weaknesses                                                                                             | Opportunities                               | Threats                                                                                       | CHALLENGES   |
| CUAS-P3                                        | Technology an digital society  | Readiness and coverage                                                                                                          |                                                                                                        |                                             | Technological leadership in the Alpine Space                                                  |              |
| S2i-P4                                         | Technology and digital society | Many possibilities (e.g. automatization in care taking, connecting rural areas, avoid traffic to work with work from home etc.) | Rural areas not all connected, uncertainty of use of digitization (e.g. automatization vs. work force) | Digitisation can solve many social problems | Future use unclear, artificial intelligence, data protection, automatization, surveillance... | Digitisation |
| RA Kozjansko- P5                               |                                | Developed basic science                                                                                                         | Applied science                                                                                        | Networking                                  | Digital safety                                                                                |              |
|                                                |                                | Access to web                                                                                                                   | Conditions are not comparable                                                                          | Servicing business needs                    | Brain drain                                                                                   |              |



|             |                                            |                                         |                                                                                  |                                                                  |                                              |                                                                           |
|-------------|--------------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------|
|             |                                            | Existing science infrastructure network | Network of research centres is not working good enough                           | Digitisation of key economic sectors                             | Appreciating the research work               |                                                                           |
|             |                                            |                                         | Lack of high educated staff at SME's                                             | Stimulation of research personnel                                | Over- dependence on technology               |                                                                           |
|             |                                            |                                         | lack of researchers                                                              |                                                                  |                                              |                                                                           |
| CCIAATo- P8 |                                            | Quality agro- food production           | Few start-up in local authorities                                                | Network of knowledge centre and ultra wide band                  | Digital divide                               | Diffusion of culture and digital technology                               |
|             |                                            |                                         | Digital divide in rural areas                                                    |                                                                  | Exclusion of mountain area from ICT services |                                                                           |
|             |                                            |                                         | Few Research Centres                                                             |                                                                  |                                              |                                                                           |
|             |                                            |                                         | Weakness of ICT Infrastructure                                                   |                                                                  |                                              |                                                                           |
| LP e L2     | Information and communication technologies |                                         | Many municipalities are sparsely populated and investors aren't interested by it | A 10% increase in broadband penetration generates growth of 1 to | Territorial vacuum                           | Improve the use and quality of Information and communication technologies |
|             |                                            |                                         |                                                                                  |                                                                  |                                              |                                                                           |



### 3.12 Clue for challenges in Science, technology and digital society

| SGD Agenda 2030                                                                                                                                                                                                                                                                                                                                                                                                                                            | CHALLENGES FIELD                                                                                                                                         | DESCRIPTIONS Problems/issues                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 4. Provide quality, fair and inclusive education and learning opportunities for all                                                                                                                                                                                                                                                                                                                                                                        | IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING (school, disadvantaged people, economic sectors, SME, Public authorities)                       | Lack of high educated staff at SME's <b>P5</b>                                                                                                                                                                                                                                                                                                                                                        |
| 11.a Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning                                                                                                                                                                                                                                                                                       | INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS (sustainable technology, economy, transport, agriculture, environment) | Digital divide in rural areas. <b>P8</b><br>Many municipalities are sparsely populated and investors aren't interested by it. <b>LP</b><br>Territorial vacuum <b>LP</b><br>Exclusion of mountain area from ICT services. <b>P8</b><br>Rural areas not all connected, uncertainty of use of digitisation (e.g. automatization vs. work force) <b>P4</b><br>Few start-up in local authorities <b>P8</b> |
| 9. Build resilient infrastructure, promote sustainable industrialization and foster innovation<br>9.5 Enhance scientific research, upgrade the technological capabilities of industrial sectors in all countries, in particular developing countries, including, by 2030, encouraging innovation and substantially increasing the number of research and development workers per 1 million people and public and private research and development spending | DEVELOP DIGITAL TECHNOLOGY INCREASE RESEARCH CENTERS                                                                                                     | Lack of Network and Research Centres. <b>P8 -P5</b><br>Network of research centres is not working good enough <b>P5</b><br>Future use unclear , artificial intelligence, data protection, automatization, surveillance <b>P4</b>                                                                                                                                                                      |



## 4. ANALYSIS OF ANNEXES 3 AND 4

The analysis of Annex 3 and Annex 4 is based on collection of ASP researches and publications to identify challenges and issues that are faced by ASP region.

For the research purposes, it is been necessary, in addition of the few collected ASP projects, to gather other INTERREG VB Alpine Space projects in the period 2014-2020 in order to classify and show what the most recurring topics are the last year in the Alpine regions.

In the following table are listed the “challenges fields” faced by the alpine space projects in decreasing order, to identify the less investigated fields.

| SGD Agenda 2030                                                                                                                                                                                               | INTERREG VB Alpine Space 2014 – 2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | CHALLENGES FIELD                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <p>13. <i>Take urgent action to combat climate change and its impacts</i></p> <p>15. <i>Sustainably manage forests, combat desertification, halt and reverse land degradation, halt biodiversity loss</i></p> | <p><b>GoApply</b> - Multidimensional governance of climate change adaptation in policy making and practice INTERREG VB Alpine Space; <b>GreenRisk4ALPs</b> - Development of ecosystem-based risk governance concepts with respect to natural hazards and climate impacts – from ecosystem-based solutions to integrated risk assessment INTERREG VB Alpine Space; <b>trAILS</b> - Alpine Industrial Landscapes Transformation INTERREG VB Alpine Space; <b>GRETA</b> - Near-surface Geothermal Resources in the Territory of the Alpine Space INTERREG VB Alpine Space; <b>ALPBIONET2030t</b> - Integrative Alpine wildlife and habitat management for the next generation INTERREG VB Alpine Space; <b>AlpES</b> - Alpine Ecosystem Services – mapping, maintenance and management INTERREG VB Alpine Space; <b>Eco- AlpsWater</b>- Innovative Ecological Assessment and Water Management Strategy for the Protection of Ecosystem Services in Alpine Lakes and Rivers INTERREG VB Alpine Space; <b>HyMoCARES</b> - HydroMorphological assessment and management at basin scale for the Conservation of Alpine Rivers and related Ecosystem Services INTERREG VB Alpine Space; <b>Links4Soils</b> - Linking Alpine Soil Knowledge for Sustainable Ecosystem Management and Capacity Building INTERREG VB Alpine Space; <b>SPARE</b>- Strategic Planning for Alpine River Ecosystems – Integrating protection and development INTERREG VB Alpine Space; <b>RockTheAlps</b> - Harmonized ROCKfall natural risk and protection forest mapping in the ALPine Space INTERREG VB Alpine Space;</p> | <p><i>COMBAT CLIMATE CHANGE</i></p> |



|                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>11. Make cities inclusive, safe, resilient and sustainable<br/>11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons</p> | <p><b>ASTUS Project</b> - Alpine Smart Transport and Urbanism Strategies INTERREG VB Alpine Space; <b>LOS_DAMA!</b> - Landscape and Open Space Development in Alpine Metropolitan Areas INTERREG VB Alpine Space; <b>CARE4TECH</b> - Cross-sectoral Alliances for Smart Living INTERREG VB Alpine Space; <b>ASIS</b> - Alpine Social Innovation Strategy INTERREG VB Alpine Space; <b>e- MOTICON</b> - e-MObility Transnational strategy for an Interoperable COMMunity and Networking in the Alpine Space INTERREG VB Alpine Space; <b>AlpInnoCT</b> t - Alpine Innovation for Combined Transport INTERREG VB Alpine Space; <b>MELINDA</b> - Mobility Ecosystem for Low-carbon and INnovative moDal shift in the Alps INTERREG VB Alpine Space; <b>SaMBA</b> - Sustainable Mobility Behaviours in the Alpine Region INTERREG VB Alpine Space; <b>AlpGov</b> - Implementing Alpine Governance Mechanisms of the European Strategy for the Alpine Region INTERREG VB Alpine Space;</p> | <p><i>MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE</i></p>                                                                               |
| <p>3. Ensure healthy lives and promote well-being for all at all ages</p>                                                                                                                                                                                                                                                                                                       | <p><b>PlurAlps</b> - Enhancing capacities for a pluralistic Alpine Space INTERREG VB Alpine Space; <b>CHEERS</b> - Cultural HeritagE. Risks and Securing activities INTERREG VB Alpine Space; <b>CO.N.S.E.N.SO</b> - “COmmunity Nurse Supporting Elderly iN a changing SOciety” INTERREG VB Alpine Space; <b>ASTAHG</b> - Alpine Space Transnational Governance of Active and Healthy Ageing INTERREG VB Alpine Space;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p><i>DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES</i></p>                                                                     |
| <p>4. Provide quality, fair and inclusive education and learning opportunities for all</p>                                                                                                                                                                                                                                                                                      | <p><b>DuAlPlus</b> - Increasing the attractiveness of dual education for skilled crafts and trades in the Alpine Space INTERREG VB Alpine Space; <b>SmartVillages</b> - Smart digital transformation of villages in the Alpine Space INTERREG VB Alpine Space; <b>YOuRALPS</b> - Educating Youth for the Alps: (re)connecting Youth and Mountain heritage for an inspiring future in the Alps INTERREG VB Alpine Space; <b>DesAlps</b> - Design Thinking for a Smart Innovation eco-system in Alpine Space INTERREG VB Alpine Space;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p><i>IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING (school, disadvantaged people, economic sectors, SME</i></p>                       |
| <p>8. Promote inclusive and sustainable economic growth, employment and decent work for all<br/>9. Build resilient infrastructure, promote sustainable industrialization and foster innovation</p>                                                                                                                                                                              | <p><b>SCALE(up)ALPS</b> Project - Accelerate and promote the Alpine Start-up Ecosystem INTERREG VB Alpine Space; <b>BIFOCAIps</b> - Boosting Innovation in Factory Of the future value Chain in the Alps INTERREG VB Alpine Space; <b>INTESI</b> - Integrated territorial strategies for Services of General Interest INTERREG VB Alpine Space; <b>AlpSib</b> - Capacity development of public and private organizations for Social Impact Bonds; <b>GaYA</b> - Governance and Youth in the Alps INTERREG VB Alpine Space;</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <p><i>INCREASE THE EMPLOYMENT (young, disadvantages and elderly people) PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS</i></p> |

The issue of “**COMBAT CLIMATE CHANGE**” is at the first place and has been addressed in many projects from different angles, with regard to integrate measures of adaptations to climate change in the territorial planning of local communities and promote resource efficiency by conserving, protecting, promoting and developing natural and cultural heritage in ASP regions.

The other two important topics are “**MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE** ” and



“**DEVELOP SUSTAINABLE ENERGY**”. These themes gives a wide summary of indications on development of smart transport and urbanism strategies, energy efficiency, smart energy management and renewable energy promoting low-carbon strategies.

The other topics carried out in the Alpine Space are **collaborative community, skilled education, sustainable industrialization and innovation** in Asp territory.

These topics are less developed and defined although they identify very important issues addressed by Swots Matrix for the regions of the Alpine space in Annex 2.

Documentation provided by partners P3, P4, P5 highlights local studies focusing mainly in these issues:

- **INCREASE THE EMPLOYMENT** (young, disadvantage and elderly people) **PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS**
- **DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES**
- **MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE**

| SGD Agenda 2030                                                                                                                                                                                                                                                                                                                                                                    | Challenges based on local already researches and publications                                                                                                                                                                                                                                                                                                                                                          | CHALLENGES FIELD                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>8. Promote inclusive and sustainable economic growth, employment and decent work for all</p> <p>9. Build resilient infrastructure, promote sustainable industrialization and foster innovation</p>                                                                                                                                                                              | <p>labour market development: growth difference between federal state and national average <b>P3</b>; Efficient management of older employees <b>P5</b>; integration - migration - professional development of disadvantaged groups <b>P4</b>; a sustainable pension system and a decent age <b>P5</b>; youth unemployment <b>P3</b>; 'Brain Drain' <b>P3</b>;</p>                                                     | <p><b>INCREASE THE EMPLOYMENT</b> (young, disadvantaged and elderly people) <b>PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS</b></p> |
| <p>11. Make cities inclusive, safe, resilient and sustainable</p> <p>11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons</p> | <p>Reduction of road traffic <b>P5</b>;<br/>Second largest share of single-person households <b>P3</b>;<br/>housing shortage in urban areas <b>P4</b>;<br/>mobility <b>P4</b>;<br/>specific data on the economic structure of Carinthia: low per-capita GDP, high indebtedness <b>P3</b>;<br/>Public transport access and provision; costs of housing <b>P3</b>;<br/>structural weakness in rural areas <b>P4</b>;</p> | <p><b>MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE</b></p>                                                                                      |
| <p>3. Ensure healthy lives and promote well-being for all at all ages</p>                                                                                                                                                                                                                                                                                                          | <p>Coverage of and access to medical services <b>P3</b>;<br/>health - aging society <b>P4</b>;</p>                                                                                                                                                                                                                                                                                                                     | <p><b>DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES</b></p>                                                                            |



|                                                                                                       |                                                                                                                                                                                                                                                 |                                                                                                                      |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
|                                                                                                       | democracy - citizen participation <b>P4</b> ; Demographic change: ageing population <b>P3</b> ;<br>Demographic change: ageing population <b>P3</b> ;<br>aging society - demographic change - aging society - shortage of work force <b>P4</b> ; |                                                                                                                      |
| 12. <i>Ensure sustainable consumption and production patterns</i>                                     | food self-sufficiency and buy local <b>P5</b> ; sustainable use of resources <b>P5</b> ;<br>sustainability/ sustainable consumer goods <b>P4</b> ;                                                                                              | <i>DEVELOP SUSTAINABLE CONSUMPTION AND PRODUCTION INCREASE CIRCULAR ECONOMIES</i>                                    |
| 9. <i>Build resilient infrastructure, promote sustainable industrialization and foster innovation</i> | Digitisation <b>P4</b> ;<br>Digitisation and upgrading towards new industrial revolution I4.0 <b>P5</b> ;                                                                                                                                       | <i>DEVELOP DIGITAL TECHNOLOGY INCREASE RESEARCH CENTERS</i>                                                          |
| 4. <i>Provide quality, fair and inclusive education and learning opportunities for all</i>            | education - child care and education - professional development of disadvantaged groups <b>P4</b> ;                                                                                                                                             | <i>IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING (school, disadvantaged people, economic sectors, SME</i> |



## 5. ANALYSIS OF ANNEX 5

These sheets gather challenges from the institutional context (local/regional), all the local projects has been implemented by local authorities in each territory.

In the table are reported partners annex 5 contents or gathered from other annexes

All the information taken from partners' annexes can be gathered in the same SGD Agenda 2030 and Challenges field

| SGD Agenda 2030                                                                                                                                                                                                                                                                               | CHALLENGES ALREADY IMPLEMENTED BY THE LOCAL/REGIONAL SYSTEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CHALLENGES FIELD                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| 8. Promote inclusive and sustainable economic growth, employment and decent work for all                                                                                                                                                                                                      | Inclusion/integration of migrants, in particular in the job market <b>P3</b> ; SHORTAGE OF WORKFORCE - Demographic change - Aging society - aging society <b>P4</b> ; INTEGRATION - Migration - professional development of disadvantaged groups <b>P4</b> ; Business and youth employment promotion Support innovative technological solutions <b>P8</b> ; Reduce social vulnerability, unemployment <b>P8</b> ; Fight against the inequalities and discriminations in the market labour <b>LP</b> ; Stimulate new forms of collective funding <b>P8</b> ; | INCREASE THE EMPLOYMENT (young, disadvantaged and elderly people) PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS |
| 11. Make cities inclusive, safe, resilient and sustainable                                                                                                                                                                                                                                    | Housing shortage in urban areas <b>P4</b> ; MOBILITY <b>P4</b> ; Develop social inclusion <b>P8</b> ; Encourage cohesion in a multicultural neighbourhood <b>P8</b> ; Tackle housing emergency <b>P8</b> ; Share and take care of public areas <b>P8</b> ; Promoting sustainable transport and the mobility <b>PL</b> ; Exchange of experience in relation to sustainable urban development <b>LP</b> ;                                                                                                                                                     | MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE                                                                               |
| 12. Ensure sustainable consumption and production patterns                                                                                                                                                                                                                                    | Sustainability/ Sustainable consumer goods <b>P4</b> ; sharing economy <b>P4</b> ; food self-sufficiency and buy local <b>P5</b> ; Collaborative and circular economy in the suburbs <b>P8</b> ; Develop short supply chains and local markets <b>P8</b> ;                                                                                                                                                                                                                                                                                                  | DEVELOP SUSTAINABLE CONSUPTION AND PRODUCTION INCREASE CIRCULAR ECONOMIES                                                           |
| 9. Build resilient infrastructure, promote sustainable industrialization and foster innovation                                                                                                                                                                                                | DIGITALISATION <b>P4</b> ; Support experimentation of innovative technological solutions <b>P8</b> ; Promoting business investment in R&I <b>LP</b> ; supporting SMEs in all stages of their life cycle <b>LP</b> ;                                                                                                                                                                                                                                                                                                                                         | DEVELOP DIGITAL TECNOLOGY INCREASE RESEARCH CENTERS                                                                                 |
| 3. Ensure healthy lives and promote well-being for all at all ages<br>16. Promote just, peaceful and inclusive societies<br>17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships | Ageing population <b>P3</b> ; HEALTH - Aging society <b>P4</b> ; Proximity services, innovative health services <b>P8</b> ; DEMOCRACY - citizen participation <b>P4</b> ;                                                                                                                                                                                                                                                                                                                                                                                   | DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES                                                                     |
| 7. Ensure access to affordable, reliable, sustainable and modern energy<br>13. Take urgent action to combat climate change and its impacts                                                                                                                                                    | Favour sustainable energies utilisation, encourage the energy transition with low CO2 emission <b>PL</b> ; Preserving and protecting the environment and promoting resource efficiency <b>PL</b> ; Promoting climate change adaptation, risk prevention and management by supporting investment for adaptation <b>LP</b> ;                                                                                                                                                                                                                                  | COMBAT CLIMATE CHANGE AND DEVELOP SUSTAINABLE ENERGY                                                                                |

|                                                                                                                                                                                    |                                                                                                                                                                                               |                                                                                                                                                                         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><i>4. Provide quality, fair and inclusive education and learning opportunities for all</i></p>                                                                                  | <p>High-skilled labour force <b>P3</b>; EDUCATION - Child care and Education - professional development of disadvantaged groups <b>P4</b>; Investing in education and training <b>LP</b>;</p> | <p><i>IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING (school, disadvantaged people, economic sectors, SME</i></p>                                             |
| <p><i>11.a Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning</i></p> | <p>Structural weakness in rural areas <b>P4</b>; Encourage the development of social and health services for the fight against the de-population of rural and mountain areas <b>LP</b>;</p>   | <p><i>INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS (sustainable technology , economy, transport, agriculture, environment)</i></p> |

The partners' report shows that the intervention of public administrations focused mainly on *employment and urban issues*.

Partners indicate in particular disadvantaged groups, migrant sectors, young and elderly people. Concerning urban interventions, they dealt with mobility, housing emergency and develop processes of social inclusion, job placement and / or regeneration and revitalization of urban areas at risk of degradation.

The implemented projects have also been developed in the field of *sharing economy and circular economy*.

*Challenges field as promotion of small businesses and the development of innovation, energy transition with low CO2 emission, investment in education and training in school or in labour sector* are in their starting phase.

Less attention from public authorities, in the described projects, regarding the issues of structural weakness in rural areas.



## 6. ANALYSIS OF ANNEX 6

In the following scheme the priority challenges have been inserted divided by themes:

- **SGD Agenda 2030**(categories and criteria of international validity),
- **CHALLENGES FIELD**
- **Partner CHALLENGES**
- **Descriptions**

The most interesting topics that have been selected by 4 different partners at least, are:

- **INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS** (sustainable technology , economy, transport, agriculture, environment)
- **INCREASE THE EMPLOYMENT** (young, disadvantaged and elderly people)

*The first one* mentioned covers all the topics that involve connection and common governance between urban, rural and peri-urban (mountains), according to the partners description through the use of sustainable mobility, a strengthening of rural areas and rural areas devices through the development of productive activities.

*It is also important the theme of unemployment*, especially among youth, of the most disadvantaged groups such as immigrants but also to the population over 55 year old who is unemployed for longer. Aging of the population is a general trend in European countries and generates a generation gap of workforce.

Other topics of interest involving at least 3 different partners are:

- **Develop a collaborative, aware community and proximity services** , where the proximity services should take care especially of elders;
- **Improve high, skilled and digital education and training (school, disadvantaged people, economic sectors, SME, Public authorities)** that remains the central problem of education and training at all levels, from schools to the weak groups with the need for professional skills;
- **Make cities inclusive, safe resilient and sustainable** describes urban and metropolitan areas through mobility attention in order to eliminate traffic and pollution in City (a cross-cutting theme), through the liveability of neighbourhoods and contrasting the poverty of families

The *Challenges Field* “**DEVELOP DIGITAL TECHNOLOGY INCREASE RESEARCH CENTERS**”, “**DEVELOP SUSTAINABLE CONSUMPTION AND PRODUCTION INCREASE CIRCULAR ECONOMIES**” and “**COMBAT CLIMATE CHANGE AND DEVELOP SUSTAINABLE ENERGY**” have had less feedback from partners.



| SGD Agenda 2030                                                                                                                                                             | CHALLENGE/<br>Problem/Issue<br>by partners                                                                                                      | DESCRIPTIONS                                                                                                                                                                                                                                                                                                                                               | CHALLENGES FIELD                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>11.a Support positive economic, social and environmental links between urban, peri-urban and rural areas by strengthening national and regional development planning</b> | Contrasting the commercial desertification <b>P8</b> ;                                                                                          | Tackling commercial desertification is a priority for the Public Authority, this means directing attention to the endogenous potentials of the territory.                                                                                                                                                                                                  | <b>INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS (sustainable technology , economy, transport, agriculture, environment)</b> |
|                                                                                                                                                                             | Structural weakness in rural areas <b>P4</b> ;                                                                                                  | Prior challenge, due to the fact that rural areas will need special attention (in ASP parts of BW as well as others). SI can answer on that challenge with various examples. Has also been discussed as prior challenge in WORLD CAFE at public event!                                                                                                     |                                                                                                                                                                  |
|                                                                                                                                                                             | Food self-sufficiency and buy local <b>P5</b> ;                                                                                                 | We need to provide to buyers healthy food with short producer buyer chains and at the same time raise of farmers income to maintain the rural population especially in hilly and mountain areas.                                                                                                                                                           |                                                                                                                                                                  |
|                                                                                                                                                                             | Increasing the use of sustainable transport for cross-border traveling <b>LP</b> ;                                                              | Improve people mobility, Less pollution                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                  |
|                                                                                                                                                                             | Sustainable and integrated mobility <b>P8</b> ;                                                                                                 | Connect areas urban, peri- urban and mountain areas with sustainable and integrated mobility means a model of a widespread city that offers all citizens better access to services, relationships, work, study, social and cultural opportunities.                                                                                                         |                                                                                                                                                                  |
|                                                                                                                                                                             | Enhance the protection, the conservation and the ecological connectivity of ecosystems; and increase governance in the Alpine Space <b>LP</b> ; | improve health and life through ecosystems and biodiversity preservation                                                                                                                                                                                                                                                                                   |                                                                                                                                                                  |
| <b>8. Promote inclusive and sustainable economic growth, employment and decent work for all</b>                                                                             | Efficient management of older employees and employment of elderly <b>P5</b> ;                                                                   | There are a relative large number of unemployed older than 55 and they are mostly unemployed for longer period of time and are a highly unemployed group. At the same time the retirement age is rising and special care must be given to older employees in order to reduce the impact of work on their health and work performance.                      | <b>INCREASE THE EMPLOYMENT (young, disadvantage and elderly people) PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS</b>                        |
|                                                                                                                                                                             | Inclusion/integration of migrants, in particular in the job market <b>P3</b> ;                                                                  | With a view on the demography, migration may help to address these issues                                                                                                                                                                                                                                                                                  |                                                                                                                                                                  |
|                                                                                                                                                                             | Aging society - Demographic change - Aging society - SHORTAGE OF WORKFORCE <b>P4</b> ;                                                          | Soon every third person in BW will be older than 60 years. This will create a gap in skilled work force. Has also been discussed IN WORLD CAFE at public event.                                                                                                                                                                                            |                                                                                                                                                                  |
|                                                                                                                                                                             | A sustainable pension system and a decent age <b>P5</b> ;                                                                                       | Age and with age connected health problem are one of the main challenges of modern developed society. On one hand the pension system that allows elderly relative decent life is at great risk, because of the age structure of the working population. And on the other the exclusion of elderly from social life is far greater than it was in the past. |                                                                                                                                                                  |



|                                                                                                                                                                                                                                                                                                                    |                                                                          |                                                                                                                                                                                                                                                                                                                                                              |                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                    | increase the youth employment <b>P8</b> ;                                | The level of unemployment among young people is an urgent and complex challenge in our territory                                                                                                                                                                                                                                                             |                                                                        |
|                                                                                                                                                                                                                                                                                                                    | Low level of per-capita GDP <b>P3</b> ;                                  | GDP and income is relevant not only for the living conditions of the individuals, and their welfare, but also for the state, increasing taxes and lowering the poverty risk. Hence, fostering economic growth is a steady challenge, in particular with a view on the integrated nature of the phenomenon, including educational and social issues           |                                                                        |
| <b>3. Ensure healthy lives and promote well-being for all at all ages</b><br><b>16. Promote just, peaceful and inclusive societies</b><br><b>17.17 Encourage and promote effective public, public-private and civil society partnerships, building on the experience and resourcing strategies of partnerships</b> | HEALTH - Aging society <b>P4</b> ;                                       | Due to the fact that soon every third person in BW will be older than 60 health and care gain high importance. Especially care of elderly will be a relevant topic. Has also been discusses as prior challenge IN WORLD CAFE at public event!                                                                                                                | <b>DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES</b> |
|                                                                                                                                                                                                                                                                                                                    | Ageing population <b>P3</b> ;                                            | There is no sustainable trend change, so the demographic structure will continue to be problematic                                                                                                                                                                                                                                                           |                                                                        |
|                                                                                                                                                                                                                                                                                                                    | Develop a collaborative community through proximity services <b>P8</b> ; | Urban regeneration is a priority for the Public Authority as the most effective vehicle for solving a wide range of urban problems and developing solutions for social, economic, physical and environmental issues                                                                                                                                          |                                                                        |
|                                                                                                                                                                                                                                                                                                                    | DEMOCRACY - citizen participation <b>P4</b> ;                            | Prior challenge, citizen participation at decision making processes is a relevant factor for society. SI can answer to this challenge. Has also been discusses as prior challenge in WORLD CAFE at public event!                                                                                                                                             |                                                                        |
| <b>11. Make cities inclusive, safe, resilient and sustainable</b><br><b>11.2 By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in</b>                  | Urban regeneration: make urban neighbourhoods more liveable <b>P8</b> ;  | Faced with lack of adequate welfare system, developing a collaborative community through proximity services means respond, in a different way, to the needs of the community.                                                                                                                                                                                | <b>MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE</b>           |
|                                                                                                                                                                                                                                                                                                                    | Mobility <b>P4</b> ;                                                     | Due to more populated urban areas and environmental concerns new types of mobility in terms of new concepts in public transportation on the one hand and new engines provide a prior challenge. Also mobility in urban areas is a challenge that can be answers with new concepts. Has also been discusses as prior challenge IN WORLD CAFE at public event! |                                                                        |



|                                                                                                                                                                                                                                           |                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>vulnerable situations, women, children, persons with disabilities and older persons</b><br/><b>1. End poverty in all its forms everywhere</b></p>                                                                                   | <p>Reduction of road traffic <b>P5</b>;</p>                                                                         | <p>We to satisfy needs of all people in terms of mobility and at the same time reduction of traffic, consequently pollution, greenhouse gas emissions and energy consumption.</p>                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                  |
| <p><b>4. Provide quality, fair and inclusive education and learning opportunities for all</b></p>                                                                                                                                         | <p>Increasing the supply of education, training and skills in the cross-border area <b>LP</b>;</p>                  | <p>improve student knowledge and schools' performance, Increase and adapt skills to new challenges</p>                                                                                                                                                                                                                                                                                                                                                                                                                                           | <p><b>IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING (school, disadvantaged people, economic sectors, SME, Public authorities)</b></p> |
|                                                                                                                                                                                                                                           | <p>Professional development of disadvantaged groups - Integration - (Migration) <b>P4</b>; Education <b>P4</b>;</p> | <p>Integration of disadvantaged groups (e.g. unemployed, migrants, handy caped, etc.) is need on several levels. It is a prior challenge to provide the possibility to participate in society for different groups through adequate education, training and support. Has also been discusses as prior challenge IN WORLD CAFE at public event! Education is a central topic for future societies to avoid poverty and provide skilled work force at the same time. Has also been discusses as prior challenge IN WORLD CAFE at public event!</p> |                                                                                                                                                  |
|                                                                                                                                                                                                                                           | <p>High skilled labour force <b>P3</b>;</p>                                                                         | <p>Even more highly qualifies workers are needed, in particular with technical or managerial education</p>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                  |
|                                                                                                                                                                                                                                           | <p>Ageing population <b>P3</b>;</p>                                                                                 | <p>There is no sustainable trend change, so the demographic structure will continue to be problematic</p>                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                  |
|                                                                                                                                                                                                                                           | <p>Develop a collaborative community through proximity services <b>P8</b>;</p>                                      | <p>Urban regeneration is a priority for the Public Authority as the most effective vehicle for solving a wide range of urban problems and developing solutions for social, economic, physical and environmental issues</p>                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                  |
|                                                                                                                                                                                                                                           | <p>DEMOCRACY - citizen participation <b>P4</b>;</p>                                                                 | <p>Prior challenge, citizen participation at decision making processes is a relevant factor for society. SI can answer to this challenge. Has also been discusses as prior challenge in WORLD CAFE at public event!</p>                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                  |
| <p><b>12. Ensure sustainable consumption and production patterns</b><br/><b>2.A Increase investment, including through enhanced international cooperation, in rural infrastructure, agricultural research and extension services,</b></p> | <p>Sustainable use of resources <b>P5</b>;</p>                                                                      | <p>We require planetary perspective, global leadership and inclusive management.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <p><b>DEVELOP SUSTAINABLE CONSUPTION AND PRODUCTION INCREASE CIRCULAR ECONOMIES</b></p>                                                          |
|                                                                                                                                                                                                                                           | <p>Sustainability/ Sustainable consumer goods (and Circular economy) <b>P4</b>;</p>                                 | <p>More sustainable use of resources is needed to work against climate change. Sustainable development can answer to environmental and societal challenges. Has also been discusses as prior challenge in WORLD CAFE at public event!</p>                                                                                                                                                                                                                                                                                                        |                                                                                                                                                  |



|                                                                                                                                                                                         |                                                                                               |                                                                                                                                                                                                                                                     |                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <i>technology development and plant and livestock gene banks in order to enhance agricultural productive capacity in developing countries, in particular least developed countries.</i> |                                                                                               |                                                                                                                                                                                                                                                     |                                                             |
| <b>9. Build resilient infrastructure, promote sustainable industrialization and foster innovation</b>                                                                                   | Digitalisation and upgrading towards new industrial revolution I4.0 <b>P5</b> ;               | Slovenia to be successful economy in long-term, it means being a niche leader, globally integrated and present in the pre-development phase, such as: intensive investments, high risks, high responsiveness / proactivity / speed and originality. | <b>DEVELOP DIGITAL TECHNOLOGY INCREASE RESEARCH CENTERS</b> |
|                                                                                                                                                                                         | Transformation into a digital economy and society <b>P3</b> ;                                 | Relevant to be part of the global economy for enterprises; social inclusion of people due to digital services and access to information                                                                                                             |                                                             |
| <b>13. Take urgent action to combat climate change and its impacts</b><br><b>7. Ensure access to affordable, reliable, sustainable and modern energy</b>                                | Supporting the shift towards a low-carbon economy in all sectors <b>LP</b> ;                  | Decrease pollution, Impact on climate change                                                                                                                                                                                                        | <b>COMBAT CLIMATE CHANGE AND DEVELOP SUSTAINABLE ENERGY</b> |
|                                                                                                                                                                                         | Improve public institutions land use planning in order to adapt to climate change <b>LP</b> ; | Allow people to remain and live on their local area despite climate change                                                                                                                                                                          |                                                             |

The following tables highlight the connections between challenges fields and SWOT analysis

## 6.1 Increase connection and common governance between urban, rural and mountain area

### FROM ANNEX 6 – PRIORITY CHALLENGE

|                                                                                                                   |                                                                                  |
|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| <b>INCREASE CONNECTION AND COMMON GOVERNANCE BETWEEN URBAN, RURAL AND MOUNTAIN AREAS (sustainable technology,</b> | Contrasting the commercial desertification <b>P8</b>                             |
|                                                                                                                   | Structural weakness in rural areas <b>P4</b>                                     |
|                                                                                                                   | Food self-sufficiency and buy local <b>P5</b>                                    |
|                                                                                                                   | Increasing the use of sustainable transport for cross-border traveling <b>LP</b> |
|                                                                                                                   | Sustainable and integrated mobility <b>P8</b>                                    |



|                                                                                                                                                                                        |                                                                                                                                                      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| economy,<br>transport,<br>agriculture,<br>environment)                                                                                                                                 | Enhance the protection, the conservation and the ecological connectivity of ecosystems; and increase governance in the Alpine Space LP;              |
| <b>FROM ANNEX 2 – SWOT MATRIX</b>                                                                                                                                                      |                                                                                                                                                      |
| INCREASE<br>CONNECTION AND<br>COMMON<br>GOVERNANCE<br>BETWEEN URBAN,<br>RURAL AND<br>MOUNTAIN AREAS<br>(sustainable technology,<br>economy, transport,<br>agriculture,<br>environment) | Excessive municipal fragmentation <b>P8</b> (MACRO TOPIC - Population and social conditions)                                                         |
|                                                                                                                                                                                        | Decreasing services in peri-urban e rural areas <b>P8</b> (MACRO TOPIC - Population and social conditions)                                           |
|                                                                                                                                                                                        | Speculation <b>P5</b> (MACRO TOPIC - Population and social conditions)                                                                               |
|                                                                                                                                                                                        | Decrease in. mountain population <b>P8</b> (MACRO TOPIC - Population and social conditions)                                                          |
|                                                                                                                                                                                        | Method of allocation resources <b>P8</b> (MACRO TOPIC - Population and social conditions)                                                            |
|                                                                                                                                                                                        | Abandoning highland and mountain farms (reduction in cultural landscape – contraction of ecosystems <b>P5</b> (MACRO TOPIC - Environment and energy) |
|                                                                                                                                                                                        | Poor accessibility to mountain areas <b>P8</b> (MACRO TOPIC - Transport)                                                                             |
|                                                                                                                                                                                        | No (not much) public transport in rural areas <b>P4</b> (MACRO TOPIC - Transport)                                                                    |
|                                                                                                                                                                                        | Implementation delays in infrastructure policies. <b>P8</b> (MACRO TOPIC - Transport)                                                                |
|                                                                                                                                                                                        | High volume of road transport <b>P5 –LP</b> (Transport)                                                                                              |
| Insufficient infrastructure (rail and road) <b>P8 - P5</b> (MACRO TOPIC - Transport)                                                                                                   |                                                                                                                                                      |
| High number of commuters <b>P3</b> (Transport)                                                                                                                                         |                                                                                                                                                      |
| Risk of pollution accentuated by tourist activity and the flow of goods transport LP (MACRO TOPIC - Transport)                                                                         |                                                                                                                                                      |
| High financial cost in infrastructure <b>P5</b> (Transport)                                                                                                                            |                                                                                                                                                      |
| Digital divide in rural areas <b>P8</b> (MACRO TOPIC - Science, technology and digital society)                                                                                        |                                                                                                                                                      |
| Many municipalities are sparsely populated and investors aren't interested by it <b>LP</b> (MACRO TOPIC - Science, technology and digital society)                                     |                                                                                                                                                      |
| Territorial vacuum <b>LP</b> (MACRO TOPIC -Science, technology and digital society)                                                                                                    |                                                                                                                                                      |
| Exclusion of mountain area from ICT services <b>P8</b> (MACRO TOPIC -Science, technology and digital society)                                                                          |                                                                                                                                                      |
| Rural areas not all connected, uncertainty of use of digitisation (e.g. automatization vs. work force) <b>P4</b> (MACRO TOPIC -Science, technology and digital society)                |                                                                                                                                                      |
| Few start-up in local authorities. <b>P8</b> (Science, technology and digital society)                                                                                                 |                                                                                                                                                      |
| The mountainous nature of the region makes the harvest of food difficult. LP (Agriculture)                                                                                             |                                                                                                                                                      |

## 6.2 Increase the Employment (young, disadvantaged and elderly people) Promote

### FROM ANNEX 6 – PRIOR 5 CHALLENGES

|                                                              |     |                                                                             |
|--------------------------------------------------------------|-----|-----------------------------------------------------------------------------|
| INCREASE<br>EMPLOYMENT (young,<br>disadvantaged and elderly) | THE | Low level of per-capita GDP <b>P3</b>                                       |
|                                                              |     | Efficient management of older employees and employment of elderly <b>P5</b> |



|                                                                                                                                                   |                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| people) <b>PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS</b>                                                                  | Inclusion/integration of migrants, in particular in the job market <b>P3</b>                                                                                     |
|                                                                                                                                                   | Aging society - Demographic change - Aging society - SHORTAGE OF WORKFORCE <b>P4</b>                                                                             |
|                                                                                                                                                   | Increase the youth employment <b>P8</b>                                                                                                                          |
|                                                                                                                                                   | A sustainable pension system and a decent age <b>P5</b>                                                                                                          |
| <b>FROM ANNEX 2 – SWOT MATRIX</b>                                                                                                                 |                                                                                                                                                                  |
| <b>INCREASE THE EMPLOYMENT</b> (young, disadvantaged and elderly people) <b>PROMOTE PRODUCTIVE ACTIVITIES, NEW AND ALTERNATIVE WORKING MODELS</b> | Youth unemployment <b>P3 - P8 (Economy)</b>                                                                                                                      |
|                                                                                                                                                   | Practical non-existing employment of elderly unemployed <b>P5 (Economy)</b>                                                                                      |
|                                                                                                                                                   | Aging entrepreneurial <b>P8 (Economy)</b>                                                                                                                        |
|                                                                                                                                                   | Enterprises, notably smalls cannot keep up <b>LP (Economy)</b>                                                                                                   |
|                                                                                                                                                   | Brain drain <b>P5 (Science, technology and digital society)</b>                                                                                                  |
|                                                                                                                                                   | Some contractors don't manage to finance their projects (by lack or of funding removal), or ignore so many key points about entrepreneurship <b>LP (Economy)</b> |
|                                                                                                                                                   | Too much pressure on the next generation <b>P4 (Population and social conditions)</b>                                                                            |
|                                                                                                                                                   | The area still very exposed at the economic crisis. Unemployment is a problem for the area <b>LP (Population and social conditions)</b>                          |
|                                                                                                                                                   | Orientation towards market exploitation of results <b>P5 (Population and social conditions)</b>                                                                  |
|                                                                                                                                                   | Precarious work and new vulnerable group <b>P5 (Economy)</b>                                                                                                     |

### 6.3 Develop a collaborative, aware community and proximity services

|                                                                        |                                                                                                                  |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES</b> | HEALTH - Ageing society <b>P4</b>                                                                                |
|                                                                        | Ageing population <b>P3</b>                                                                                      |
|                                                                        | Develop a collaborative community through proximity services <b>P8</b>                                           |
|                                                                        | DEMOCRACY - citizen participation <b>P4</b>                                                                      |
| <b>FROM ANNEX 2 – SWOT MATRIX</b>                                      |                                                                                                                  |
| <b>DEVELOP A COLLABORATIVE, AWARE COMMUNITY AND PROXIMITY SERVICES</b> | Population aging <b>P8 - P4 (Population and social conditions)</b>                                               |
|                                                                        | Challenging integration of all groups <b>P4 (Population and social conditions)</b>                               |
|                                                                        | Demographic development/ageing population <b>P3 (Population and social conditions)</b>                           |
|                                                                        | Collapse of the social system <b>P5 (Population and social conditions)</b>                                       |
|                                                                        | Poor propensity to networking <b>P8 (Population and social conditions)</b>                                       |
|                                                                        | Acceptance of others, not enough tolerance, different social values <b>P4 (Population and social conditions)</b> |
|                                                                        | Individual over community, avoidance of responsibility <b>P5 (Population and social conditions)</b>              |
|                                                                        | Populism and extremists <b>P5 (Population and social conditions)</b>                                             |
|                                                                        | Control of human activity is deficient <b>P5 (Environment and energy)</b>                                        |
|                                                                        | Thinking – lack of ecological awareness <b>P5 (Environment and energy)</b>                                       |



## 6.4 Make cities inclusive, safe, resilient and sustainable

### FROM ANNEX 6 – PRIOR 5 CHALLENGES

|                                                       |                                                                          |
|-------------------------------------------------------|--------------------------------------------------------------------------|
| MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE | Urban regeneration: make urban neighbourhoods more liveable<br><b>P8</b> |
|                                                       | Mobility <b>P4</b>                                                       |
|                                                       | Reduction of road traffic <b>P5</b>                                      |

### FROM ANNEX 2 – SWOT MATRIX

|                                                       |                                                                              |
|-------------------------------------------------------|------------------------------------------------------------------------------|
| MAKE CITIES INCLUSIVE, SAFE RESILIENT AND SUSTAINABLE | No affordable housing in cities <b>P4 (Economy)</b>                          |
|                                                       | Inefficient system of labour offices. <b>P5 (Economy)</b>                    |
|                                                       | Public transportation (not developed enough) <b>P5 (Transport / Economy)</b> |
|                                                       | Pollution <b>P4-P5 (Transport / Economy)</b>                                 |

## 6.5 Improve high, skilled and digital education and training (school, disadvantaged people, economic sectors, SME, Public authorities)

### FROM ANNEX 6 – PRIOR 5 CHALLENGES

|                                                                                                                                    |                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING (school, disadvantaged people, economic sectors, SME, Public authorities) | Increasing the supply of education, training and skills in the cross- border area <b>LP</b>        |
|                                                                                                                                    | Professional development of disadvantaged groups -Integration - (Migration) <b>P4 Education P4</b> |
|                                                                                                                                    | High skilled labor force <b>P3</b>                                                                 |

### FROM ANNEX 2 – SWOT MATRIX

|                                                                                                                                    |                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| IMPROVE HIGH, SKILLED AND DIGITAL EDUCATION AND TRAINING (school, disadvantaged people, economic sectors, SME, Public authorities) | Low level of workforce education. <b>P8 (Economy)</b>                                    |
|                                                                                                                                    | The gap between the educational structure and the job offer <b>P5 (Economy)</b>          |
|                                                                                                                                    | Education and training <b>LP (Population and social conditions)</b>                      |
|                                                                                                                                    | Lack of high educated staff at SME's <b>P5 (Science, technology and digital society)</b> |



## 7.COMMON CHALLENGES

On the basis of the priority assigned to challenge fields; considering the analysis of the documents filled by each partner above reported, 3 challenges are proposed related to various themes.

To facilitate the discussion among partners for the next steps, two columns are added with strategic and operational goals.

| Challenge                                                                         | Strategic goals                                       | Operational goals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Tackle depopulation in rural and mountain areas, and the urban degradation</i> | Strengthen local communities                          | <ul style="list-style-type: none"> <li>• Fill the gap between urban and rural areas increasing digital skills, technology knowledge, use and application, access to information.</li> <li>• Develop governance systems between public authorities of conterminous areas, urban areas, rural areas, mountain areas, to fight fragmentation and insolation of more fragile territories</li> <li>• make rural and peri-urban areas inclusive, safe, resilient and sustainable</li> <li>• Maintain and support existing social networks, creating new entrepreneurial experiences</li> <li>• Increasing local economies development supporting local producer's trough training and incentives</li> <li>• Promote people based solutions for social housing</li> <li>• Strengthen the local production network to attract social impact investments</li> <li>• New granting models for low scale experimentation</li> <li>• Support cooperation among local producers and consumers</li> <li>• Foster innovative, green, inclusive slow transportation initiative through co-creating services</li> <li>• Creating coworking spaces to help the stay of young professionals</li> <li>• Innovative financing schemes through public-private partnership (social housing, transport, services)</li> <li>• Support at local level the development of the research (collaboration with university and research centres)</li> <li>• Develop a regional networking of research laboratories, incubators, innovation centres,</li> <li>• Support the diffusion of innovation culture</li> <li>• Strengthen capacity, competences and knowledge of public administration in relation to social innovation</li> <li>• Support tourism in mountainous area</li> </ul> |
| <i>Tackle unemployment</i>                                                        | New training and occupational models to support       | <ul style="list-style-type: none"> <li>• Higher accessibility to microfinance</li> <li>• Promote developing policies of start-up and social enterprises</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                   | youths, immigrants, disadvantaged categories, over 55 | <ul style="list-style-type: none"> <li>• Enhance existing social networks and grass root experiences to develop new model of entrepreneurship</li> <li>• Connect these sectors with the innovative ecosystem supporting creative activities</li> <li>• Develop new technologies hubs</li> <li>• Increase and support the creation of technical and management skills, like leadership, problem solving e relational skills</li> <li>• Support the diffusion of digital skills</li> <li>• Support a narrative engagement and diffused knowledge of social innovation experiences</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |



|                                                                |                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| <p><i>Face the lack of health and social care services</i></p> | <p>Develop collaborative communities to support elderly and vulnerable groups</p> | <ul style="list-style-type: none"> <li>• Support and promote community laboratories for participation of civil society for co-programming and co-production of facilities</li> <li>• Open and shared territorial governance systems, to stimulate new models of cooperation</li> <li>• Diffusion of collaborative welfare experiences</li> <li>• Support policies for social enterprises</li> <li>• Develop initiatives of self helping among families</li> <li>• Promote the creation of digital competences among the communities for the implementation of new digital facilities</li> <li>• Creation of digital platforms to involve users in problem definition and finding customized solutions.</li> </ul> |
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