

ASTUS PROJECT: OBJECTIVES AND ACTIVITIES – PROGRESS, OVERVIEW OF TOPICS AND PILOT SITES



THE ASTUS PROJECT : ALPINE SMART TRANSPORT AND URBANISM STRATEGIES

- A European project, funded by the European Union under the INTERREG fund and the Alpine Space Program (Priority 2: Low Carbon Alpine Space / Transport and mobility solutions)
- It follows the 2011-2014 MORECO project (Mobility and Residential Costs)
- Partnership: 12 partners in five Alpine Space countries (Austria, France, Germany, Italy, Slovenia)
- Lead partner : Auvergne-Rhône-Alpes Region
- Implementation phase: November 2016 - October 2019 (36 months)
- Overall budget: € 2.4M including € 2M ERDF

PROJECT PARTNERS

12 european partners

- Auvergne-Rhone-Alps Region (AURA) (France)
- Salzburg Institute for Regional Planning and Housing (SIR) (Austria)
- Centre for Studies and Expertise on Risks, Environment, Mobility, and Town and Country Planning (Cerema) (France)
- Research Studios Austria (ISPACE) (Austria)
- Grenoble Alps university (UGA) (France)
- Bourgogne-Franche-Comté Region (RBFC) (France)
- Technical University of Munich (TUM) (Germany)
- Urban Planning Institute of the Republic of Slovenia (UIRS) (Slovenia)
- National Association of Mountain Municipalities Piemont Delegation (UNCCEM) (Italy)
- Munich Transport and Tariff Association (MVV) (Germany)
- City of Munich, Department of Urban Planning (MUC) (Germany)
- Consortium of Municipalities of Belluno (BIM PIAVE BEL) (Italy)

REGIONS OF PROJECT PARTNERS



MAIN PROJECT OBJECTIVES

ASTUS's overall objective is to reduce in a long term perspective the CO2 emissions of daily mobility in the Alps by helping local authorities to identify a set of relevant transport options and spatial planning measures that have a positive impact on household's mobility.

- Identify and assess low CO2 options by estimating and highlighting specific costs of different mobility modes and settlement types from an environmental, economical and social perspective
- Support alpine local authorities to define and implement relevant long term solutions for a low CO2 approach of mobility, combining transport and spatial planning solutions
- Create transferable instruments for any alpine regions willing to improve its CO2 footprint in the field of mobility

MAIN PROJECT ACTIONS AND RESULTS

- A territorial typology of the alpine space
- A CO2 minimizers toolbox including instruments for estimating effects of land-use & transport measures (decision making tools for local authorities)
- A transnational methodology for producing low CO2 scenarios
- Local action plans
- A final/concluding report with recommendations for reuse of project methodologies and tools

PILOT SITES

- ASTUS covers smart options from a sustainable perspective fitting to different alpine territorial types. The project partners define transnational solutions based on a continuing and regular work with 17 pilote sites in 7 regions as a sample.

TARGET GROUPS

- Local authorities
- Transnational structures at the alpine level and multipliers

PHASES OF THE PROJECT

- **Work package 1** : State of art of alpine territorial dynamics for addressing low carbon mobility options (January-October 2017)
- **Work package 2** : Development of decision making tools for low carbon scenarios (until July 2018)
- **Work package 3** : Local experimentations for transnational solutions (until May 2019)

ACTIVITIES – PROGRESS

Work package 1 : State of art of alpine territorial dynamics for addressing low carbon mobility options (January-October 2017)

- As planned in AF, this first Work package was finished during the fall 2017.
- The project partners carried out the first stage of the project which was to identify and capitalize existing knowledge and data in pilot sites.
- Project consortium produced a SWOT analysis based on the analysis of relevant data from pilot sites via a questionnaire.
- A methodology evaluating the global impacts of mobility was also produced.

ACTIVITIES – PROGRESS

Work package 1 :

- These data enriched the Territorial alpine space typology which is needed for working on following steps.
- With CEREMA assistance and PPs feedback ISPACE produced the Territorial alpine space typology which conceptualize and define territorial types (main output of this WP).



ACTIVITIES – PROGRESS

Methodological framework

- During this first phase, the transnational methodologies of project were defined.
 - The ASTUS transnational methodology for low CO2 scenarios (by TUM) was delivered.
 - The transnational methodology for Local Low CO2 Scenario Building (by RBFC and SIR) was also delivered.
 - This framework will be used as a basis to project partners for the production of local scenarios and action plans.

ACTIVITIES – PROGRESS

- **Work package 2 : Development of decision making tools for low carbon scenarios (until July 2018)**
 - The collection of existing tools was delivered and updated with additional PPs findings during this first phase. This inventory of existing tools fostering low CO2 mobility and best practices of estimating CO2 emissions (about 70 tools).
 - TUM coordinated with other project partners the development of relevant tools. The project partner developers (ISPACE, UGA, CEREMA, TUM, MVV) of the CO2 minimizers started develop several tools with pilot sites.
 - Project partners conducted several workshops with a sample of local stakeholders ASTUS tools that could be developed and used on local level.

ACTIVITIES – PROGRESS

Work package 2 :

- TUM Accessibility Atlas on CO2 (D.T2.2.3) was enhanced to include public transport emissions in addition to car emissions (included during the period 1).
- The ASTUS transnational methodology for low CO2 scenarios was developed (main output of this WP).
- The development of some tools took longer than anticipated. Consequently the implementation of these relevant tools risk of being delayed compared with what was planned. Thus it would certainly be necessary that the some activities need to be prolonged. The CO2 minimizer toolbox could be also delivered behind schedule.

ACTIVITIES – PROGRESS

▪ Work package 3 : Local experimentations for transnational solutions (until May 2019)

- **ASTUS School** : After the first ASTUS School (Besançon and Morteau, June 2017), the second School (planned in June 2018) will bring together elected representatives and civil servants of each pilot site to improve transnational contacts and exchanges between pilot sites and finally to feed the production of scenarios.
- **Local low CO2 scenarios, strategies and action plans** : A transnational methodology for Local Low CO2 Scenario Building was delivered.

ACTIVITIES – PROGRESS

▪ Work package 3 :

- The project partners organized several workshops with their pilot sites to produce a roadmap per pilot site in order to outline their objectives within ASTUS. This documentation of planned steps and objectives will be used in the elaboration of local low CO2 scenarios.
- Project partners started the first meetings with local stakeholders to build local low CO2 strategy and actions plans. The local actions plans will be delivered at the beginning of 2019.



**Auvergne-
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