O.T1.1 AS Knowledge Atlas

Output Description
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<tr>
<th>Document Summary</th>
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<td><strong>Project Name (Acronym)</strong></td>
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<td><strong>Work Package/Activity</strong></td>
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<td><strong>Deliverable</strong></td>
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<td><strong>Deliverable Reviewer (If applicable)</strong></td>
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<td><strong>Deliverable Due Date</strong></td>
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<th>Dissemination Level</th>
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<td>29/08/2018</td>
</tr>
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</table>

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# TABLE OF CONTENTS

1. O.T1.1 AS Knowledge Atlas ............................................................................................................. 5  
2. Summary description of the key features of the tool ....................................................................... 5  
3. NUTS regions where the tool has been developed ....................................................................... 7  
4. Expected impact and benefits of the tool ....................................................................................... 8  
5. Sustainability of the tool ............................................................................................................... 9  
6. References to relevant deliverables and web-links ..................................................................... 9
1 O.T1.1 AS KNOWLEDGE ATLAS

Alpine Space (AS) Knowledge Atlas: A structure to map knowledge and cooperation in the field of Smart Living (SL) Technologies. It visualizes tech leaders, solutions, innovation & business development approaches in an accessible, digital knowledge database and visual matrix.

2 SUMMARY DESCRIPTION OF THE KEY FEATURES OF THE TOOL

To support a dynamic exploration of the field of Smart Living (SL) Technologies within the Alpine Space (AS) area, the AS Knowledge Atlas is designed as a dynamic Visual Matrix. The Visual Matrix allows intuitive browsing through the knowledge database from different starting points and contains nodes and edges to visualize interconnections between tech leaders, solutions and innovation and business development approaches. The CARE4TECH Visual Matrix contains the following categories: Countries, Regions, Topics, Experts, Case Studies, Organizations, and Project Activities. To bring the AS Knowledge Atlas to life, all CARE4TECH project partners activated their extensive partner networks to enhance the database with flagship institutions and expertise in the field of SL Technologies.

The CARE4TECH Knowledge Atlas is designed to visualize expertise and knowledge in the field of SL Technologies. To ensure a structured view of stored data different entry points called Topic View and Region View were created. The Topic View can be used to browse the different SL Topics to explore linked Experts, Case Studies, Organizations and Project Activities. The Region View provides an overview on Topics, Experts, Organizations, Project Activities from the perspective of a given Country and Region which has to be selected first.
The tool also contains an extended search functionality to allow an easy browsing through the AS Knowledge Atlas. It is possible to enter keywords and a complete full text search is performed through the whole database. Identified results are listed and grouped thematically.
Up to now, the complete digital knowledge database contains 166 different organizations located in 8 countries (Austria, Germany, Slovenia, Italy, France, Switzerland, Poland and Hungary). 113 Case Studies were collected from these organizations to show best practice in the field of SL. 23 Project Examples are inserted up to now in order to expose the extensive research field of SL Technologies.

3 NUTS REGIONS WHERE THE TOOL HAS BEEN DEVELOPED

- Austria
  - Carinthia region
  - Styria region
- Italy
  - Lombardy region
  - South Tyrol region
- Switzerland
  - Zurich region
- Slovenia
  - Zahodna region
  - Vzhodna region
- France
4 EXPECTED IMPACT AND BENEFITS OF THE TOOL

The Visual Matrix shows a collective amount of information which was gathered by Partners across the first two Periods of CARE4TECH. A rich amount of knowledge from across the Alpine Space on the current state of excellence related to Smart Living Technologies was collected and structured in the AS Knowledge Atlas.

By attending Exchange Sessions Project Partners could ensure the involvement of stakeholders. A Moodle Platform became the central online hub for activity, with further digital tools in the form of YouTube, Slack, Trello, and the custom designed Visual Matrix (Knowledge Atlas). Unique views and perspectives about 11 Alliances for Smart Living Technologies were contributed by Project Partners and their stakeholders and internalized in the central online hub.

This IT Tool helps to identify potential transfer processes and moreover to connect “islands of innovation” to a stable network of regions for innovation. Further on, a validated process fitting for a variety of organizations like universities/research institutes, SMEs, etc. was designed to support the stakeholders to focus on important steps in transfer and innovation processes.

Link to Trello Board for further information is available for each Smart Living Topic.
5 SUSTAINABILITY AND ACCESS

During and after the CARE4TECH project the IT Tool Hypertree is hosted and maintained on a server of Evolaris. Every Project Partner is responsible to update the data during and after the project is finished. The AS Knowledge Atlas is accessible via login credentials for all experts, organizations and institutions included and listed in the knowledge database (Link: https://evocado.evolaris.net/visualization/login). Due to the General Data Protection Regulation, a general access is only possible applying the CARE4TECH internal data protection processes including data sharing during an initial interview.

Interested stakeholders have the possibility to access the AS Knowledge Atlas by submitting a formal request with Carinthia University of Applied Sciences under: j.oberzaucher@fh-kaernten.at.

In order to receive access, they have to fulfil the following formal requirements:

- Organizations located in the Alpine Space region that have already implemented or are implementing projects in the field of Smart Living
- Sign the CARE4TECH Informed Consent
- Fill in the Interview Scheme containing institutional data and questions relating to activities in the field of Smart Living

As soon as the formal requirements are fulfilled, interested organizations will receive their own login data via email.

6 REFERENCES TO RELEVANT DELIVERABLES AND WEB-LINKS

D.T1.1.1 CARE4TECH Knowledge Mapping & Classification Methodology on Smart Living Excellences
D.T1.2.1 CARE4TECH Visual Matrix on Smart Living Excellences – AS Knowledge Atlas
D.T1.2.2 CARE4TECH Visual Matrix on Smart Living Excellence – State of the Art of AS Policies
D.T1.3.1 CARE4TECH Leading Alliances on Smart Living Checklist
D.T1.4.1 CARE4TECH Learning Hub: AS Knowledge Atlas Module
D.T1.4.2 AS Knowledge Atlas Learning & Mentoring Report