Interreg Alpine Space

AlpGov

Template "Documentation of strategic sectoral implementation initiatives" (D.T2.2.3)

Description of initiative

Title of implementation initiative	The potentials of Open Data
State of implementation	☐ Planning phase ☐ Implementation phase X Implemented
Implementation period (mm/yyyy-mm/yyyy)	05/2021-05/2022
Name of project partner	University of Maribor – Faculty of Electrical Engineering and Computer Science
Acronym of project partner	UM FERI
Contact person / Author of document (name, surname, e-mail address)	Darja Kukovic/Alessio Pastorino (darja.kukovic1@um.si/a.pastorino@regione.vda.it)
Main responsible EUSALP Action Group	Carlo Vigna
Other EUSALP Action Groups involved	X AG 1 ☐ AG 2 ☐ AG 3 ☐ AG 4 X AG 5 ☐ AG 6 ☐ AG 7 ☐ AG 8 ☐ AG 9
Stakeholders involved	Aleš Veršič, Open Data Hub Slovenia Guillaume Doukhan, Adrets Stefano Sala, University of Milan Vili Podgorelec, University of Maribor Lucija Brezočnik, University of Maribor Maurizio Napolitano, Bruno Kessler Foundation Guido Sanguinetti, SISSA Trieste Stéphanie Toussaint, Grand E-nov+ Olivier Horent, Grand E-nov+

	Anna Marchisio, Alten
	Melita Troian, Camera Di Commercio Treviso Belluno (CCIAA TV-BL)
	Giulia Bologna, Ecipa Scarl
	Željko Gudžulić, City of Ljubljana
	Vincent Lebeau, NEXA
	Patrizia Pagani, (CCIAA TV-BL)
	Stefano Ambrogio, CSI Piemonte
	Misa Labarile, European Commission
	Luca Mancino, Torino Wireless
	Massimo Lapolla, Regione Piemonte
	Jean Jacques Bernardini, Grand E-nov+
	Manola Tegon, Veneto Region
	Christin Wohlrath, Constanz
	Monica Cvetkov, Technology Park Ljubljana
	Robert Stubenrauch, Biz Up
	Jiri Pilar, European Commission
	Alessio Nardin, Veneto Region
	Frederic Lecoin, Lyon Urban Data (TUBA)
	Ivano Gauna, CSI Piemonte
	Saverio Ghiotti, CSI Piemonte
	Marco Tanese, Comune di Vercelli
	Roberto Sandrini, Veneto Region
	Guillaume Ryckelynck, Region Grand Est
	Laura Castellan, Ecipa SCARL
	Matteo Povolato, Ecipa SCARL
	Christian Cuciniello, European Commission
	Jurgen Jahret, BWCON
Description	During the Digital Alps Conference, held online on 27 and 28 May 2021, the first workshop on open data, which

emerged as a new strategic initiative of the AG5, was held.

The workshop, titled "The potentials of Open Data for the Alpine area", was attended by various stakeholders from the Alpine region.

During the workshop, moderated by Darja Kukovic from the University of Maribor, the relevant topics on open data and possible future trends were discussed, outlining a first roadmap for the Alpine area.

As a first step of this roadmap, a study was to be carried out to identify the open data initiative leaders, study current policies and legislation framework on privacy, data protection, information access rights, disclosure policy, study the structure (different skills, decision making models, capacity to work with open data, data flows) and current status of data and datasets, analyse the demand for open data, identify potential champions with regard to data users, identify how this would be financed and study the technical infrastructure.

A study was then commissioned to the University of Maribor, which was presented in a first version at the 14th AG5 meeting on 14 March 2022 to gather feedback from the members of Action Group 5.

During the Digital Alps Conference 2022, held online and in presence in Trieste on 3 and 4 May 2022, the results of the study were discussed with relevant stakeholders in the Alpine region and the DEAS (Data Economy Alps Strategy) project contact persons during a dedicated workshop.

The materials produced and the results of the discussions can be accessed online at https://digitalalps.eu

The study was then integrated with the results of the workshop and was published on the EUSALP website.

As part of the study, an Open Data Handbook was developed to explain the technical framework for ODs in the Alpine Space, data formats and metadata, reference frameworks for ODs, platforms for ODs, data spaces, FAIR status, general technical guidelines and recommendations.

As a result of the collaboration with the DEAS project, the AG5 Open Data contact persons were invited to present the results of the study during the workshop addressed to Digital Single market strategy actors and other EU initiatives in Brussels and online on 28 June 2022.

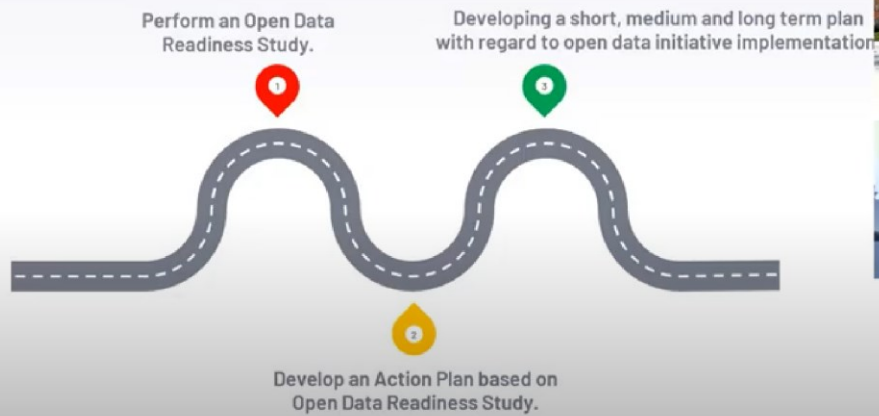|	
	A possible collaboration between the DEAS project partners and the AG5 is currently being defined to develop future joint actions in the field of Open Data.
Coherence with EUSALP Action Plan	The strategic initiative on Open Data regards the integration of initiatives which are truly cross-sectoral in their nature and coherent with the EUSALP AP across all three thematic policy areas: innovation and sustainable growth, mobility and connectivity, environment and energy.
Proposed targets and indicators	N° of study on potentials of Open Data:1 N° of dissemination events:1
Impact assessment	*Briefly describe the impact of the initiative according to the COWI three-phase development model (https://www.alpine-region.eu/publications/study-macroregional-strategies-and-their-links-cohesion-policy, pages 86-89)* Based on the COWI three-phase development model, the Open Data initiative is currently in an early phase but is expected to Influencing factors in the domain of internal capacity (INT-CAP) and direct and indirect impacts if the results are reached (Phase 1). Given the increasing importance of data in the digital world, it is expected that the initiative, once it has developed its full potential, will be able to Influencing factors in the domain of external performance (EXT-PER) and direct and indirect impacts if the results are reached (Phase 3).

Appendix: Documentation material (ex. agendas, lists of participants, publications, minutes, photos, etc.)

Study on potentials of Open Data for the Alpine Space within the framework of the EUSALP Strategy

Open Data Handbook

Picture of workshop "The potentials of Open Data for the Alpine area" on 27 May 2021

Picture of workshop "The potentials of Open Data & Big Data for the Alpine area" on 4 May 2022

The recording and the material produced during the workshop are available at https://digitalalps.eu

The potentials of Open Data for the Alpine area

Three steps toward a common approach to open data

READI NESS STUDY	**Readiness Study** • Identify the open data initiative leader • Study current policies and legislation framework on privacy, data protection, information access rights, disclosure policy • Study the structure (different skills, decision making models, capacity to work with open data, data flows) • Study current status of data and datasets • Analyze the demand for open data • Identify potential champions with regard to data users • Identify how this would be financed • Study the technical infrastructure

ACTION PLAN	**Action Plan**
	
	• Develop an Action Plan based on the points from the Readiness Study
	    o If there is no legal framework – prepare a legal framework for open data
	    o If public official do not have skill – build up the capacity for them
	    o Organize, compile and prepare data in machine readable format

IMPLE MENTA TION	**Implementation Plan** • Develop a short, medium and long term plan with regard to open data initiative implementation o It is important to create a sustainable data pipeline

Future-proof digital infrastructures and platforms for the Alpine area

STRATEGY

[STRATEGIC VIEW]: contribute to EU digital goals and take full advantage from the EU-level central programmes to implement future-proof digital infrastructures

- Start from the **long term vision of the Digital decade** to foster a common EUSALP approach connecting "smalls" and "larges" entities **through a continuum of high capacity connectivity infrastructures**
- Take full **opportunities from the European digital strategies** and the huge momentum put in place by the European commission for the period 2021-2027, beginning **with CEF2 Digital and RRF**
- **Share the ongoing practices** looking at reality of different state of the art to pursue the digital society of the european Regions **and involve with all stakeholders toward Digital Decade targets**
- Adopt **specific territorial plans on relevant actions** (as, just to mention some, 5g communities, digital backbones in international and regional corridors, interconnected data platforms, local digital innovation hubs)
- Ensure **future proof connectivity networks** by targeting gigabit for all and use technology mix to achieve the European and territorial goals, not going alone but including and **collaborating with national and regional BCO** to capitalize existing and ongoing experiences at all level (and if you are a regional authority be part of the European BCO network)
- **Encourage at local level 'virtuous circle' of demand/offer promoting digital services / use cases** leveraging geographic challenges of Alpine territories as opportunities

CONNECTIVITY

[CONNECTIVITY]: build widespread very high capacity networks

- **Close the gaps** investing into **cross-border backbones** to build a more robust and performing Alpine fiber optic network within a common EUSALP blueprint
- Extend the **backhaul network at regional level** to enable a "continuum of digital infrastructures" between urban areas and rural/ mountain areas
- Adopt a **mixed technological approach for the access network** in the more remote areas to unleash the full potential of digital applications both for "inclusive access" for inhabitants and economic development.

DATA

[DATA INFRASTRUCTURES]: invest in data-oriented and ecosystems-enablers distributed and federated infrastructures for data and digital sovereignty

- Sustain investments for **interconnected data-oriented infrastructures at regional level** to gather and share data within a collaborative and open approach to create value from data for territories
- Start defining an overall view on **Data Spaces for an Alpine Data Place**, we can call it an "**Alpine-X**"
- Promote the creation of pilot edge infrastructures on Alpine territories federated at European level and **start as soon as possible to test GAIA-X compliant data sharing**

INNOVATION

[INNOVATION ADOPTION]: fill the gap for small players to adopt digital innovation through local facilities

- Sustain a **network of Micro or local Digital innovation HUB** distributed over rural and mountain areas ("satellite DIH") to foster the digital transition of all territories
- **Interconnect them to the first-level DIH at EUSALP level** to define a common approach and synergies on more relevant Alpine issues not loosing a bottom-up inclusive approach