



EUSALP EU STRATEGY FOR THE ALPINE REGION

www.alpine-region.eu



Re-search Alps

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Research Laboratories in the Alpine Area

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UNIVERSITÀ
DEGLI STUDI
DI MILANO

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80 million people, 7 countries, 48 regions,
mountains and plains addressing together
common challenges and opportunities



This project is co-financed by the European Union via Interreg Alpine Space

The Re-search Alps Manifesto

The **Re-Search Alps** project aims to collect and make available to **different targets** *public and private bodies working at local, regional and national level* **information** about **laboratories, Research and Innovation Centers** which are active in the seven countries of the **Alpine Area**

Austria, France, Germany, Italy, Liechtenstein, Slovenia, Switzerland.

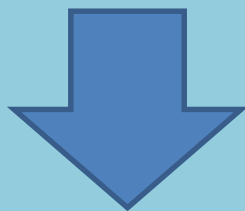




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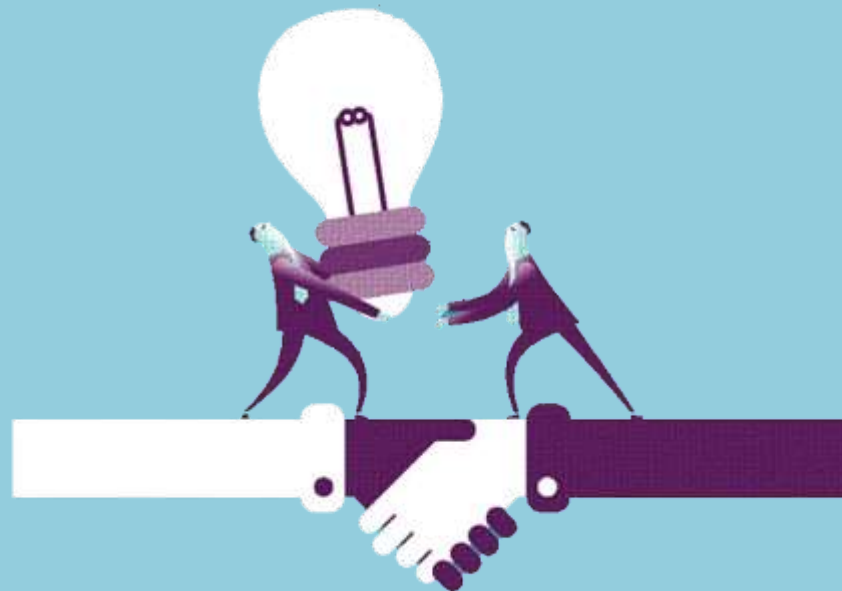


The project idea has been conceived with the support of the EUSALP AG1 – “to develop an effective research and innovation ecosystem”.



Re-Search Alps is a tool to support the systemic goal to enhance innovation ecosystems providing the AG1 with knowledge about Research Centers and Laboratories in the Alpine Macroregion.





Re-Search Alps

The integration of the Re-Search Alps database into the POK (Platform of Knowledge) will allow the end user to work with multiple datasets and sources – comparing data and analysing it.

Platform Of Knowledge (POK)

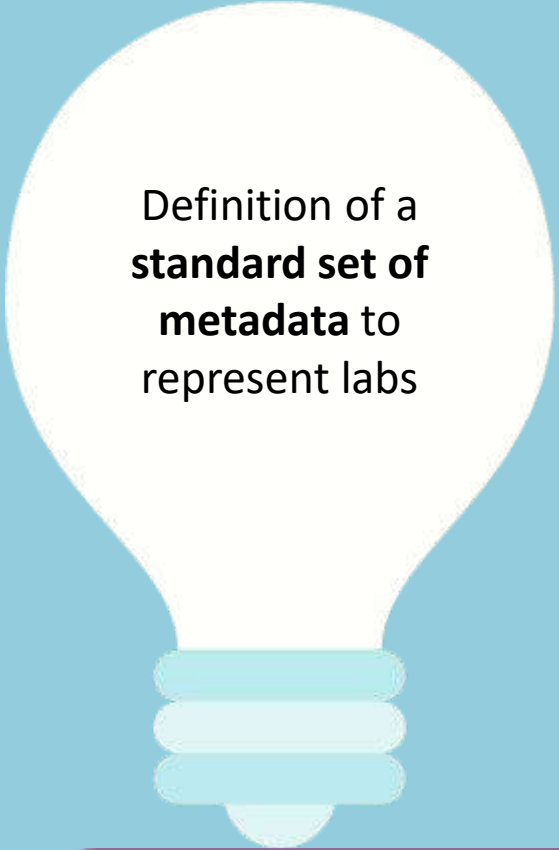
The POK is a multi-level platform which contains different instruments to analyse and compare data regarding the Alpine Macro-Region.

The data of interest describes:


- (a) **what** the laboratories and research centers do;
- (b) **where** they are located;
- (c) where **excellence** emerges, according to research fields/themes and figures (active researchers, published papers, won prizes, running EU projects, patents, etc);
- (d) **people** working in a specific center and determining its **excellence**;
- (e) **network** of relations they highlight in their websites.



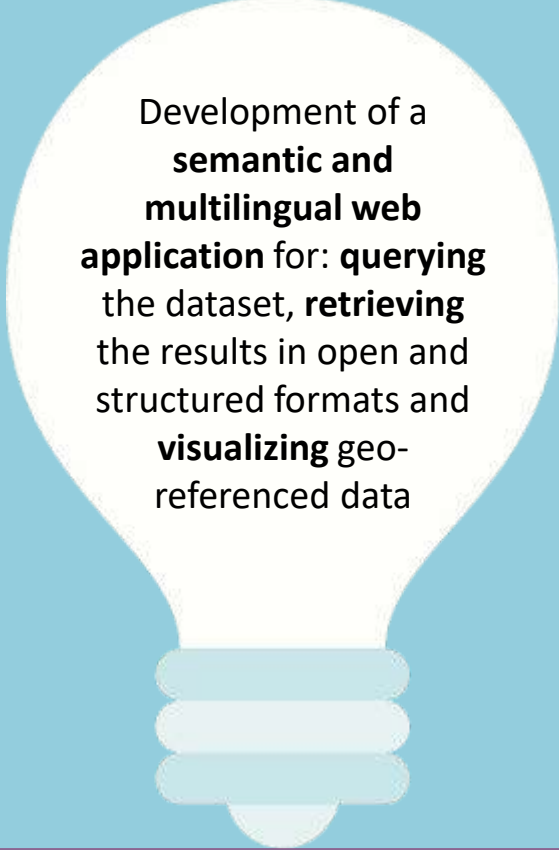
Three main objectives:



Definition of a **standard set of metadata** to represent labs



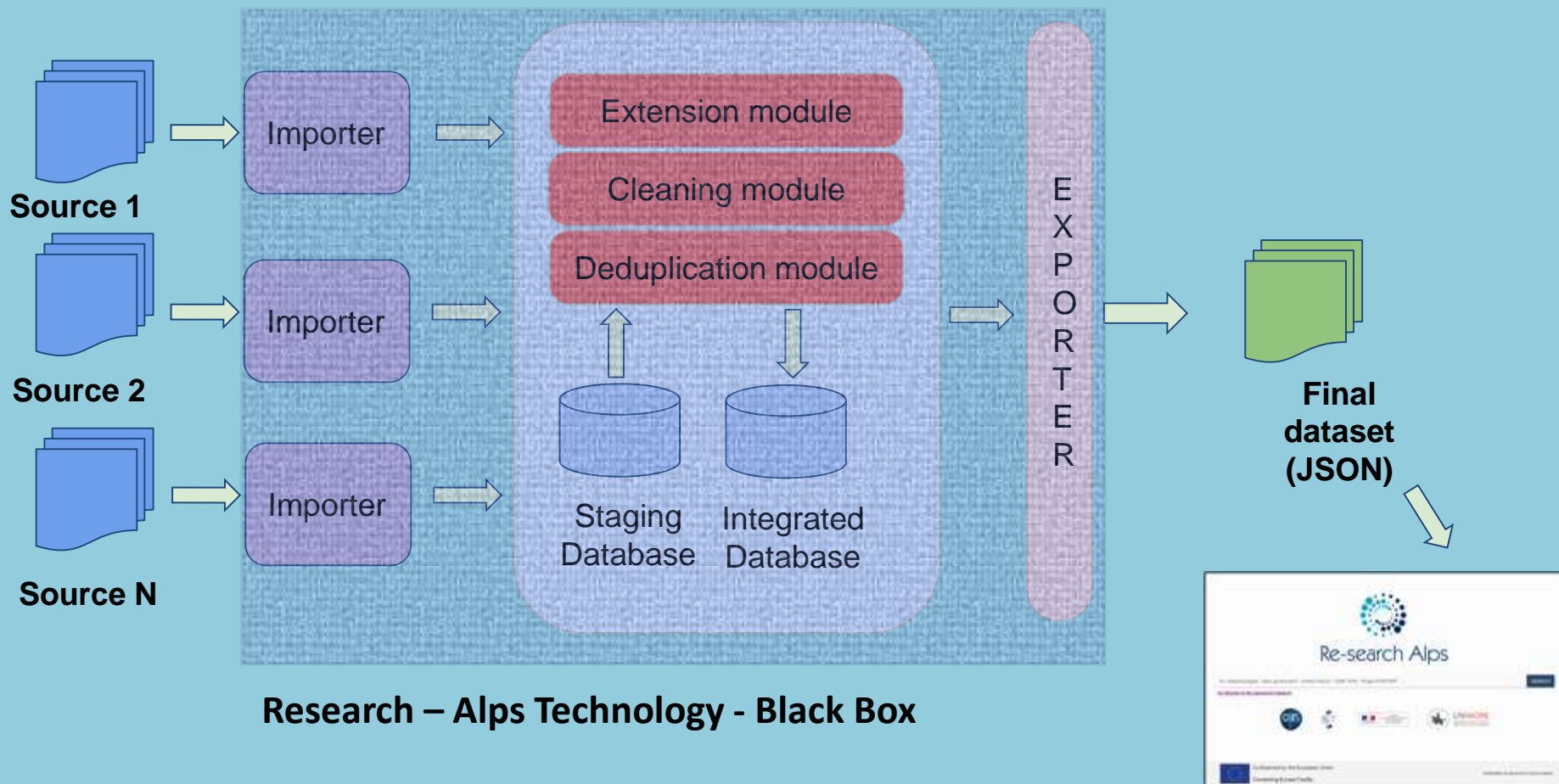
Publication of an **open dataset** describing the labs in the Alpine Area



Development of a **semantic and multilingual web application** for: **querying** the dataset, **retrieving** the results in open and structured formats and **visualizing** geo-referenced data



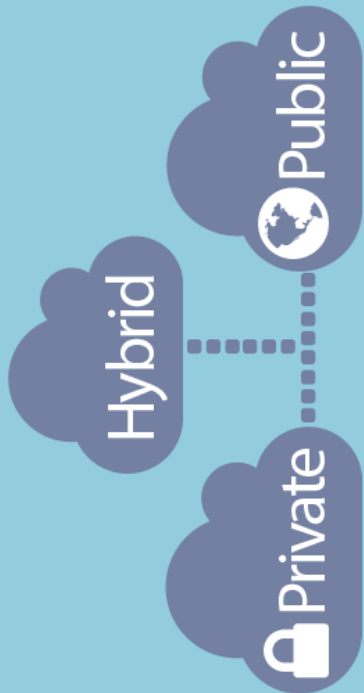
Our Framework



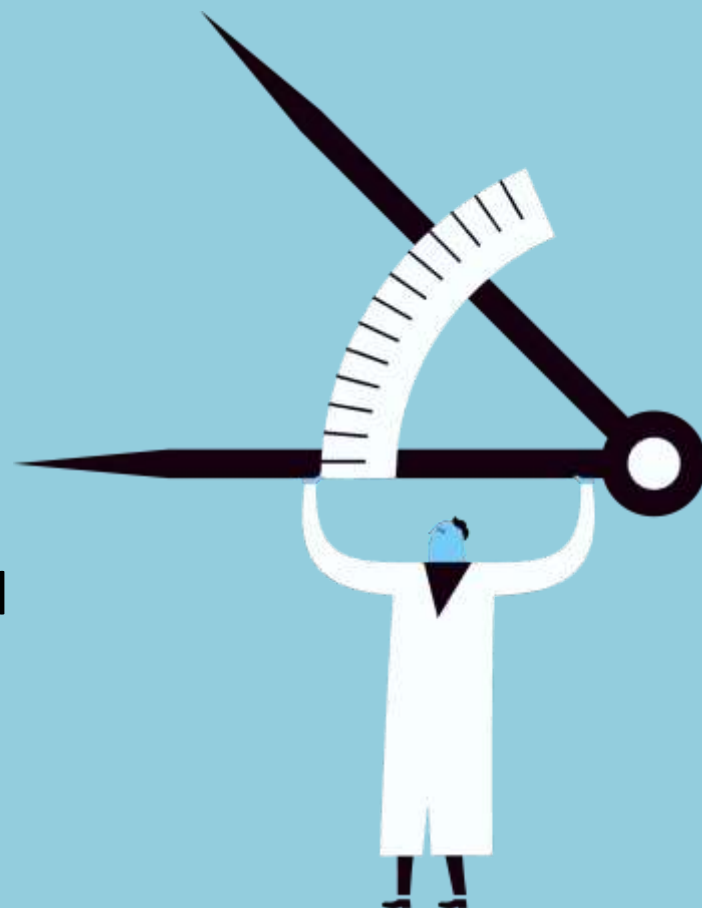
Re-search Alps is interested in

- ▶ Public, private and PPP Organizations providing **outcomes that can be classified as the results of an innovation and/or research activity**, such as
 - They participate in research and innovation projects, and / or
 - Their members are authors of publications, and / or
 - Their members are authors of patents.

- ▶ Private organizations **making research activities** classified with the NACE code M72



- ▶ **A huge effort spent in collecting the existing data sources** describing
 - **Laboratories and Innovation centers**
 - ▶ Public / «Institutional» Organizations
 - ▶ Private Organizations
 - **Research outcomes**
 - ▶ Publications
 - ▶ Projects EU, National, Regional / Local
 - ▶ Patents
- ▶ **Data source coverage not homogeneous** in the considered countries



Germany

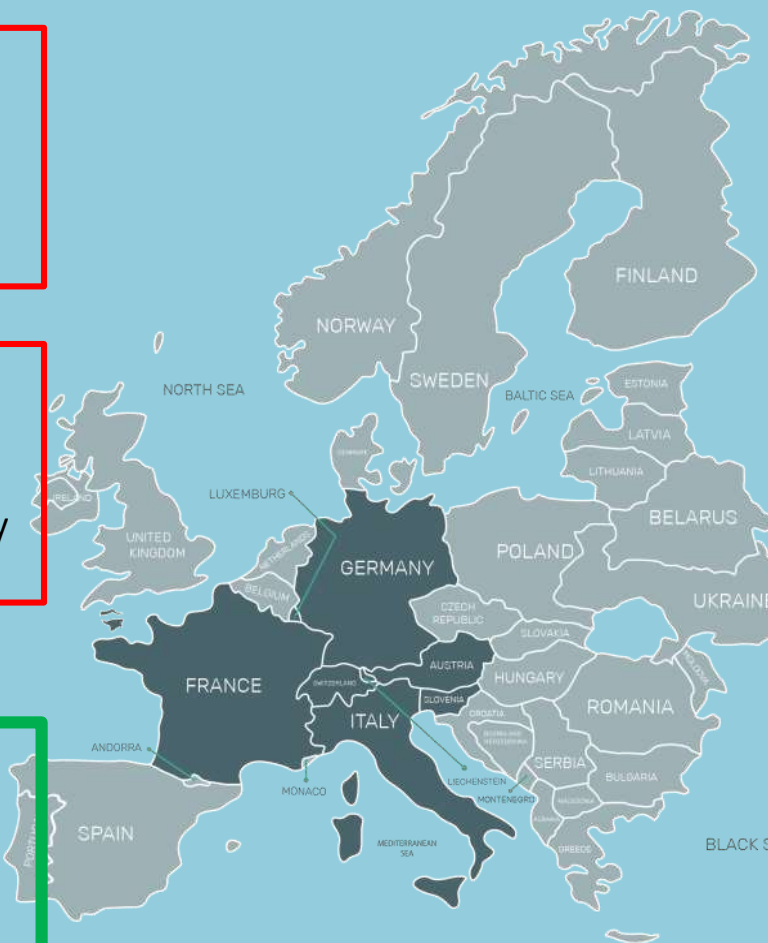
- Search by Name
- Only the code is provided
- Redistribution is not allowed

Switzerland

- Search by Name
- Only the code is provided
- Redistribution is not clearly allowed

France

- Search by Name
- Extracting data by NACE is possible
- Open data



Austria

- Access is not free

Liechtenstein

- Search by Name
- Data is public but difficult to retrieve

Slovenia

- Search by Name
- Extractions of cumulative entries is subject to fees
- Redistribution is not allowed

Italy

- Search by Name and NACE
- Data cannot be reused and redistributed



The data sources are
cleaned, deduplicated,
reconciliated and
integrated in a unique
dataset.



WorldWide Datasets

OpenAIRE's mission is closely linked to the mission of the European Commission: to provide unlimited, barrier free, open access to research outputs.



CORDIS is the Community Research and Development Information Service. CORDIS is the European Commission's public repository to disseminate information on all EU-funded projects.



ORCID is part of the wider digital infrastructure needed for researchers to share information on a global scale. The platform is open, transparent, and non-proprietary.



Arianna: Anagrafe Nazionale delle Ricerche. The purpose of the Registry is to collect all the news related to research funded by public bodies.



The National Research Council (CNR) is the largest public Research Facility in Italy. The dataset contains information on 100 Research Facilities scattered throughout Italy.



Cerca Università aggregates University Research, from graduate courses to funding, from teachers to university students, from calls to statistics.



QuESTIO, Quality Evaluation in Science and Technology for Innovation Opportunity, is an instrument developed by the Lombardy Region to promote the innovation ecosystem.



The Patiris platform displays data about patents and was designed and implemented by researchers from the University of Bologna and UCL in collaboration with the Ministry of Economic Development.



Start-UP - Innovation in Italy: the portal collects information on Startups and innovative SMEs registered in the special section of the Business Register.



France

scanR – engine of research and innovation – is a web application for the characterization of public and private structures. By combining information extracted from the websites of these entities and data from open sources, scanR offers data concerning nearly 35,000 Research Actors located in France.



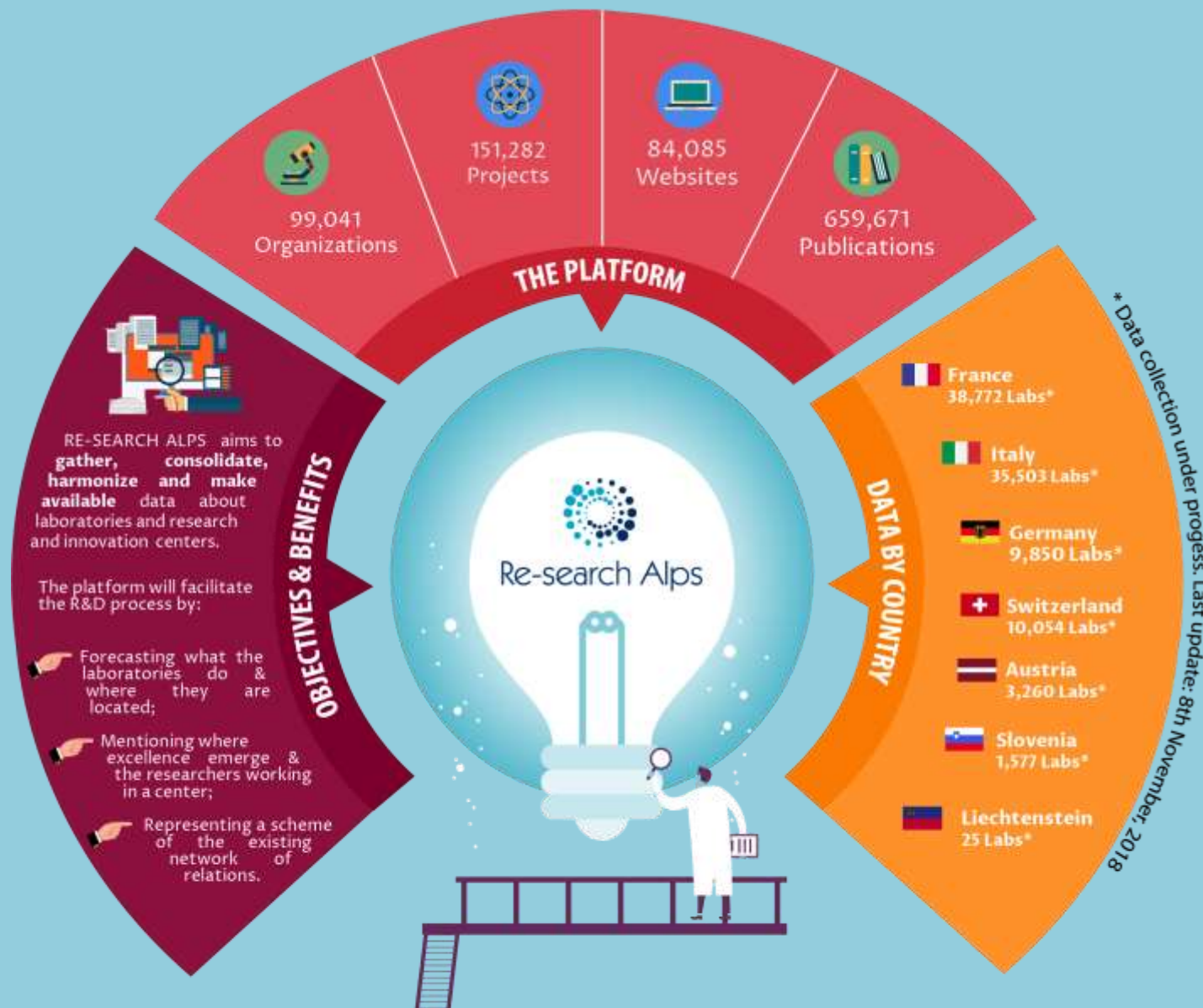
pub
Switzerland
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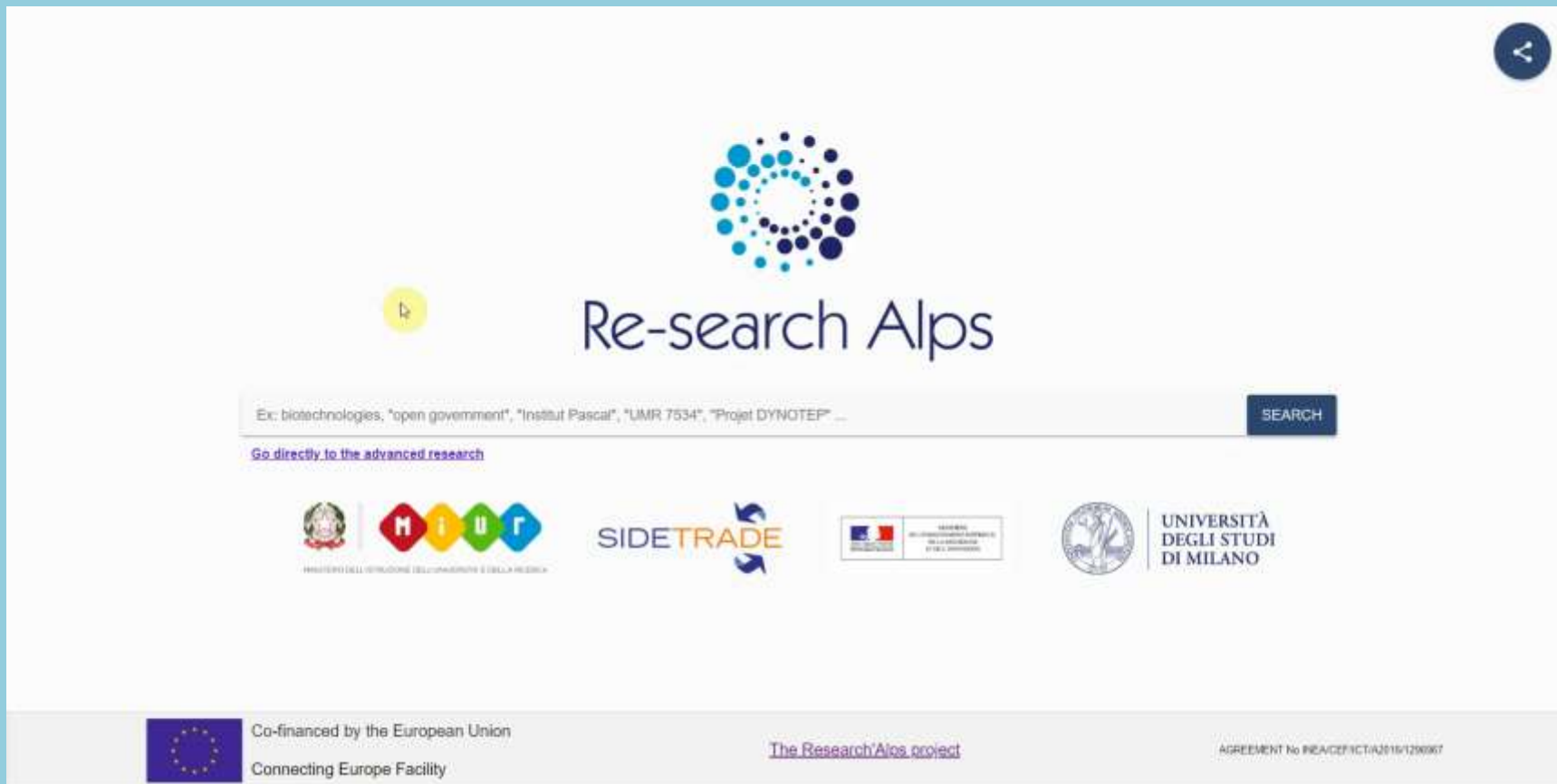
In the P3 database the Swiss National Science Foundation (SNSF) makes available data on the projects, people and publications that it has supported, as part of its mandate to inform the public about its Research Funding Activities.

 **P³** Projects
People
Publications

P3 is updated daily. As soon as a grant is released, the relevant data is published to P3. P3 contains information on the SNSF's most important funding schemes.

- ▶ The resulting dataset is composed of **three parts**:
Structure | Project | Outcome
- ▶ The dataset is available through
 - **JSON FILES**
 - ▶ **metadata** will be published on the project website <http://researchalps.eu>
 - ▶ Data published according to the «Data on the Web Best Practices» **W3C Recommendation** 31 January 2017
 - ▶ Compliant with **INSPIRE** and **MQA specifications**
 - **A search application** <http://researchalps.data-publica.com/>





The image shows the Re-search Alps search application interface. At the top right, there is a circular navigation icon. The main header features the Re-search Alps logo, which consists of a cluster of blue and white dots forming a circular shape. Below the logo is the text "Re-search Alps". A search bar is located below the header, containing the text "Ex: biotechnologies, 'open government', 'Institut Pascal', 'UMR 7534', 'Projet DYNOTEP' ...". To the right of the search bar is a blue button labeled "SEARCH". Below the search bar, there is a link that says "Go directly to the advanced research". The footer section contains several logos and text. On the left, there is the logo of the Italian Ministry of University and Research (MIUR) and the text "MINISTERO DELL'ISTRUZIONE DELL'UNIVERSITÀ E DELLA RICERCA". In the center, there is the logo for SIDETRADE. To the right of SIDETRADE, there is a logo for the Italian Republic and the text "REPUBBLICA ITALIANA" and "MINISTERO DELL'INTERIORE". On the far right, there is the logo of the University of Milan (UNIVERSITÀ DEGLI STUDI DI MILANO) and the text "UNIVERSITÀ DEGLI STUDI DI MILANO". At the bottom left, there is the European Union flag and the text "Co-financed by the European Union" and "Connecting Europe Facility". In the center of the footer, there is a link that says "The Research/Alps project". On the right side of the footer, there is the text "AGREEMENT No INEA/CE/ICT/0015/1200067".



- ▶ Re-search alps
 - will be **regularly enriched with new data**
 - will **benefit from the progress of the sources it includes** for ever more precise and relevant results
- ▶ Re-search Alps will release
 - ▶ **An integrated open datasets** describing laboratories, research and innovation centers
 - ▶ **A search engine** for querying the dataset

Time schedule

**June
2018**

**December
2018**

**April
2019**

France

Italy

Switzerland

Austria

Germany

Slovenia

Liechtenstein





Stay tuned!



researchalps.eu



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