



# DIGITAL ALPS CONFERENCE

[digitalalps.eu](http://digitalalps.eu)



# WHAT IS HIT ?

The Trentino Innovation Hub Foundation (HIT) is the **INSTRUMENTAL BODY** of the Autonomous Province of Trento, and an organization to research and distribute knowledge pursuant to European Union regulations.

HIT stimulates innovation by promoting dialogue **and** **TRANSFER OF KNOWLEDGE** and **SKILLS** between its founders and the socio-economic system.



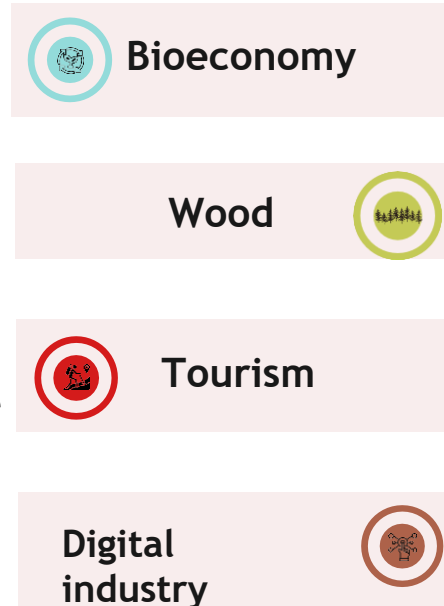
# AG2 MISSION

- Develop new or better value chains inside sectors regarded as strategic in the Alpine Region which show potential with distinctive conditions in the region.
- Bridge the gap of disconnected value chains or parts of it. value chains or adjusting products and services to the green economy.
- Bridge different policies and efforts in order to stimulate the transformation of the industrial structure and drive job creation and growth.
- Support innovation by making better use of cluster initiatives.

## SUB - GROUPS

Circular  
Economy

y



## THE SMART INDUSTRY SUBGROUP



Boosting the potentials of the digital transformation in the Alpine Region with a special focus on the development opportunities for SMEs.



Intensified macro regional cooperation to boost the integration of regional companies into global manufacturing supply chains, gaining competitiveness by leveraging capabilities and regional investments.



Make industry smarter means to make them safer, more efficient, more resilient and more environmentally friendly.



Make Industry4.0 fully operative in the regions integrating technology with human engagement, towards the Industry5.0 revolution.

Cross-cutting  
activity (AG5,  
AG2, AG1,  
AG3, AG9)

## 5 main pillars

- smart and sustainable communities;
- key enabling technologies for local economic players;
- data economy enabled by data spaces and open platforms;
- co-working, remote working and learning; and
- digital skills and digital learning.

# Creating a single European market for data

## European Data Strategy

- Adopted Feb 2020
- Built on EU rules and values



## A cross-sectoral legislative framework

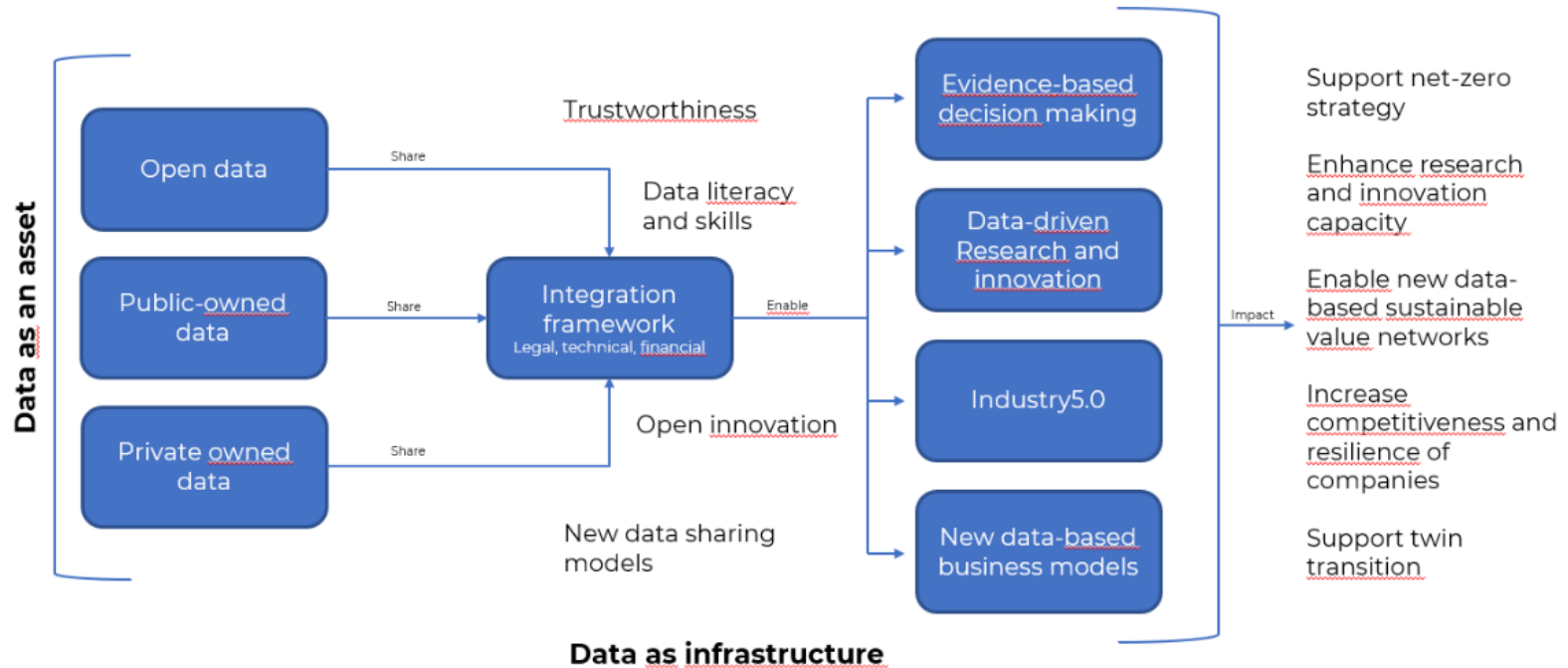
- Data Governance Act - Nov 2020
- Digital Markets Act - Dec 2020
- Data Act - Feb 2022
- Impl. Act on High-value datasets - 2022

## Common European data spaces

- Staff Working Document – Feb 2022
- Horizontal aspects + sectoral initiatives
- EU funding + programmes

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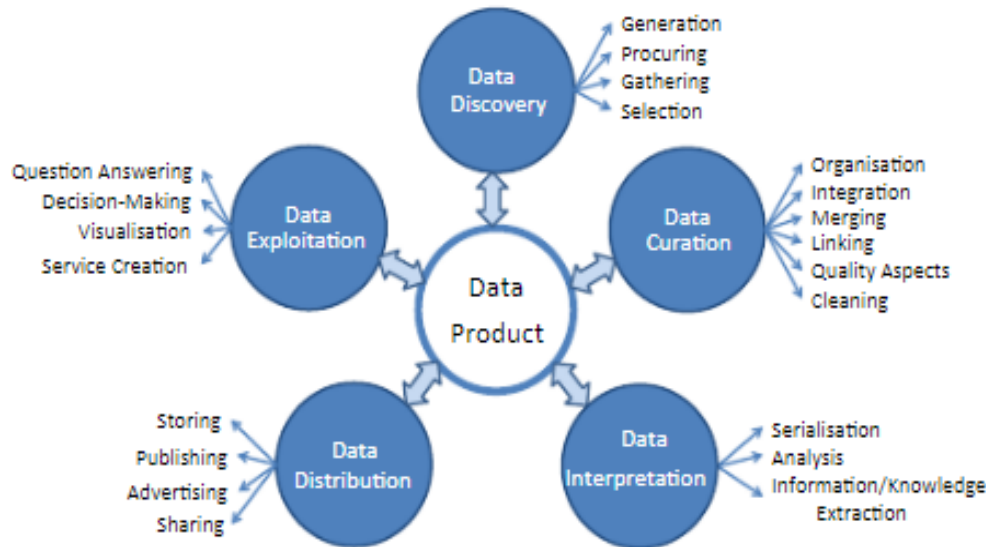


## The data-space concept

A dataspace is a virtual or physical space that is used to store and manage data. It refers to a shared space where data can be accessed, shared, and reused by different applications and systems.

A dataspace can be thought of as a repository of data that is organized in a way that makes it easy to find, access, and use. It can be used to store structured or unstructured data, and can be accessed by different users or applications using various protocols and interfaces.

# Data-value networks



- Organisations and Public Authorities are generators and/or manager of data.
- Regulation are directing their actions:
  - Personal data (ref to GDPR)
  - Other data (ref to Data Markets Act, Data Services Act, Data Governance Act, Data Act and AI Act)
- Data are base for new services, new products and new approaches to problems.

Data Value Networks: Enabling a New Data Ecosystem

Conference: 2016 IEEE/WIC/ACM International Conference on Web Intelligence (WI)



# Possible areas for data exploitation

- Tourism -> management of hospitality structures, prevision of fluxes, decision making, territorial marketing,...
- Mobility -> intermobility, planning, traffic, urbanistic planning, routing planning, ...
- Risk management -> adverse events prediction, risk analysis, prioritisation of actions, ...
- Energy management -> optimisation of consumption, renewable energy planning, energetic districts, ...
- Water and resource management -> prevision of water usage, optimisation of water distribution, sectorial analysis, ...
- Agriculture and forestry: Risk management and prevention, sustainable management of forests, wood value chain management, circular economy, ....



# Why across the alpine space?

- Events narrated by data do not have borders
- Europe is organising the communitarian ecosystem in dataspace
- No standard approach and common taxonomy is the evil
- Each region will benefit from data exploitation
- Enable effective cross regional data based services



# How to enable the data benefits?

Increasing the awareness on feasibility and impact of data-driven innovation especially in public administrations

Making data discoverable and accessible

Encouraging data sharing and use from public and private sources

Fostering the skills required to capture the full potential of data (data science and AI - Artificial intelligence)

Ensuring sustainable long-term access to data through skills curation, governance and appropriate infrastructure

Demonstrating the value of new forms of collaboration based on data and the creation of data-based value networks

# How to enable the data benefits?

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DATA  
INFRASTRUCTURE  
S -> CLOUD DATA  
SPACE (THAT IS  
PHYSICAL  
STORAGE)



DATA  
ACCESSIBILITY ->  
LICENSING AND  
ACCESS RIGHTS  
MANAGEMENT



DATA  
ORGANISATION ->  
DATABASE  
STRUCTURE  
STANDARDISATION



DATA QUALITY ->  
DATA QUALITY  
VERIFICATION



DATA AVAILABILITY  
-> DATA TIMING  
AND CONTINUITY



DIGITAL  
ALPS  
CONFERENCE

GO-DIP PROJECT  
(concluded)



ZOOM PROJECT  
(still active)  
[www.zoom4u.eu](http://www.zoom4u.eu)



ZOOM



## GO-DIP PROJECT



The project on Digital IP protection and valorisation is now concluded.  
The following **documents are now available**:

- **Design Option Paper** - a complete and wide view on digital IP protection, management, business modelling developed with top level experts. Designed for Innovation Agencies, TTO or organisations involved in Digital IP management.
- **A Guide for researchers** - a comprehensive and handy manual to support researchers in their innovation pathway, guiding on Digital IP rights and management.
- **A Guide for companies** - a guide designed to empower companies that own, generate or need Digital IP both in terms of software or data.

If you are interested get in contact.

# ZOOM PROJECT

*The project started in October 2022*

**Objective:** raise awareness on IP valorisation strategies based on open licences.



## Topics addressed:

- Legal framework for open licences
- Business framework for
  - Open Hardware
  - Open Software
  - Open Data
- Creation of dissemination and training materials, tools for IP management
- Awareness raising campaign across Europe on the open IP management

<https://zoom4u.eu/>



**THANK YOU FOR YOUR ATTENTION**



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