INTELCOMP PROJECT. A COMPETITIVE INTELLIGENCE CLOUD/HPC PLATFORM FOR AI-BASED STI POLICY MAKING (GRANT AGREEMENT NUMBER 101004870)

PROJECT SUMMARY

> *If you are not capable of processing and analyze large volumes of textual information from open data (e.g. OpenAIRE datasets) to build or put to the test your STI policy, **IntelComp** might just be what you need.*
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> *At **Intelcomp** we believe in **helping design policies**, implement and monitoring them so that the EU gets the most out of its STI programmes at a continent, country, national and regional level.*

- **Design efficient STI policies** based on collective knowledge and experience.
- E2E platform with **massive text analysis tools**: HPC and AI to enhance the design, management, monitoring and evaluation processes.
- Areas of action: **Artificial Intelligence**, **Climate Change** and **Health**

IntelComp is a Horizon 2020 Innovation Action to build a **cloud platform** that will offer artificial intelligence based services for Science, Technology and Innovation (STI) policy. With **a 4 million euros budget** from January 2021 to December 2023, the project brings together a **multidisciplinary team of 13 partners** from academia (text mining/machine learning researchers and data scientists), the private sector (consulting SMEs and technology providers) and public administrations responsible of STI policy.

The **IntelComp** platform will be able to process and analyze large volumes of textual information from open data (e.g. OpenAIRE datasets). These datasets will be processed on a **High Performance Computing** environment, part of the **European Open Science Cloud initiative**.

It will be based on two existing platforms for STI policy: **Corpus Viewer** – highlighted by the OECD as one of the most advanced digital infrastructures – and **Data4Impact** – another Horizon 2020 project for evidence-based monitoring and evaluation of STI activities in health.

The platform will be tested on **3 specific pilot cases** of STI policy: **artificial intelligence**, **climate change** and **health**. Through co-creation with platform developers, the project will adopt a **living labs approach** and will engage with public administrations and stakeholders (academia, industry and citizens) to address specific policy questions and to test and validate the platform.

IntelComp services will assist the **whole spectrum** of **STI policy**:

- In policy design, the platform will serve to:
  - Describe context and trends to **detect** research targeting particular technology fields and grand challenges, **identify** target populations and **diagnose** national competences.

- o **Prioritize** investments and **define** coherent funding instruments, **set** the agenda (adapted to social needs) and **co-create** funding instruments with stakeholders.
- In policy implementation, the platform will help in the ex-ante evaluation process:
  - o **Assign evaluators to proposals**, and assign proposals to areas or topics.
  - o **Position** proposals in the state of the art.
- And in policy monitoring and evaluation of outputs and impact, the platform will serve to:
  - o **Assess outputs** and **impact** (academic, economic and societal) of STI activities at the project, call and programme levels.