

IntelComp: A Competitive Intelligence Cloud/HPC Platform for AI-based STI Policy Making

Description

IntelComp sets out to build an innovative Cloud Platform that will offer Artificial Intelligence based services to public administrators and policy makers across Europe for data- and evidence-driven policy design and implementation in the field of Science, Technology and Innovation (STI) policy. Large STI datasets are processed on a High Performance Computing (HPC) environment as part of the European Open Science Cloud (EOSC) initiative.

Public administrations at all geographical and organizational levels, STI stakeholders and civil society produce a great amount of dynamic, multilingual and heterogeneous data (i.e., national STI strategies, plans and work programmes, calls, projects, reports, scientific publications, patents, dissemination articles, etc.), therefore understanding and analysing this data is crucial for evidence-based policy making.

The objective of IntelComp is to deliver a platform that provides tools for assisting the whole spectrum of STI policy, i.e., agenda setting, modeling design, implementation, monitoring and evaluation. It will do so by involving multi-disciplinary teams to co-develop innovative analytics services, Natural Language Processing pipelines and Artificial Intelligence workflows and by exploiting open data, services and computational resources from the EOSC, HPC environments and federated distributed operations at the European Union, national and regional levels. It will ensure a cooperative environment where different actors can visualize, interact and analyze information.

Through co-creation, IntelComp will adopt a living labs approach and will engage public policy makers, academia, industry, SMEs, local actors, civil society and citizens to explore, experiment with and evaluate STI policies at all stages. IntelComp will be targeting domains aligned with the European Agenda and the Horizon Europe Missions: Artificial Intelligence, Climate Change and Health.

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