INTELCOMP DATA TOOLS

A "teaser" presentation of how IntelComp will work in practice

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IntelComp Platform

- An **end-to-end** platform for *evidence-based **monitoring,** **evaluation and policy making***

- **Guiding principles:**

  - Openness & Reproducibility: Using *mainly* open data related to **science, technology and innovation (STI)** across different domains + open, transparent, reproducible methodology

  - Relevance: analyze massive amounts of data from different sources to create a **well-rounded view** of the **impact** of STI policies

IntelComp Platform

— State of the art technology: exploiting **artificial intelligence models**: deep learning, NLP

— Reliability - Human-in-the-loop: **Expert validated models** and tools for creating your own models

— Timeliness: **up-to-date** analysis

IntelComp Platform

➔ User-friendly, Customizable **Business Intelligence Tool** for policy monitoring & evaluation

– **co-created** with users + "**analyze my data**" functionality

– interactive & downloadable AI **visualizations** for *comparisons, analysis* & *reporting*

– **private** organization dashboard (manager + team members)

– **search & browsing tools** based on semantic similarity and more

workbench of tools & functionalities for project evaluation

Further advancing technologies already tested in two previous experiences:
Corpus Viewer & **Data4Impact**

Climate Change domain: Selection of Data Sources

- Identification of Climate Change-related data sources

Climate STI Projects

Laws and Policies

Scientific papers

Social Media

Climate STI Policies

Public Procurement

Company Websites

New Synergies & Collaborations agreements

Infrastructure for climate change resilience (pilot case studies in EU-funded projects)

CSR Reports

Eurostat, EUR-LEX, EC, UNSTAT

Patents & Products

Suggestions?

intelcomp

Climate Change use case:
SDG Clean Water and Sanitation: FP1-7 & Horizon 2020 projects
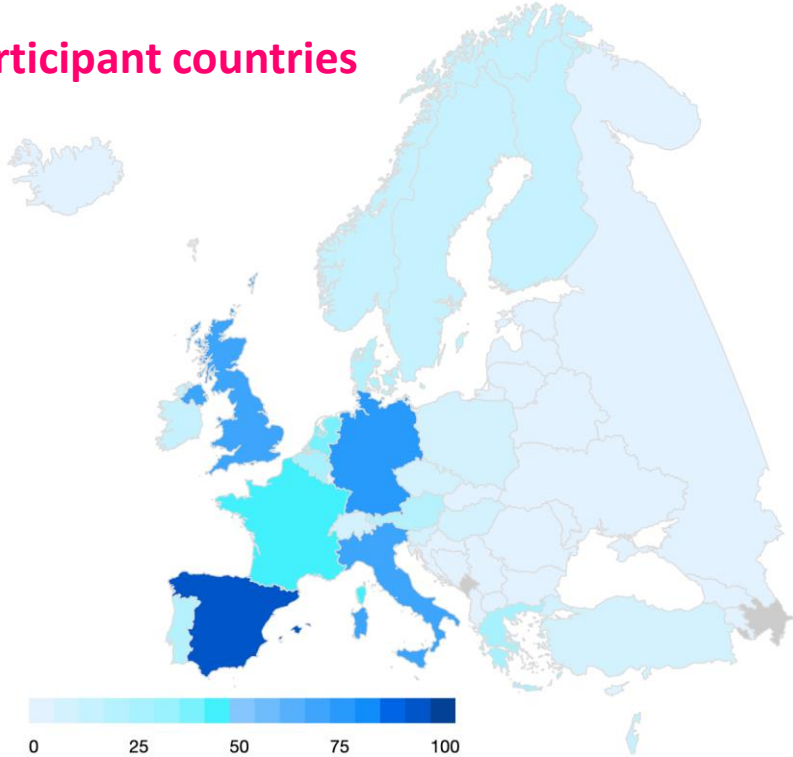
Project Topics

T00 - waste, biomass, market, product, fuel, production, biofuel, industry, rec

T01 - policy, management, climate_change, forest, river, land, climate, stakeh

T02 - training, researcher, research, policy, innovation, stakeholder, eu, confe

T03 - water, wastewater, drinking, market, treatment, technology, waste, was

T04 - climate, climate_change, arctic, change, earth, ice, earthquake, variabil

T05 - ecosystem, biodiversity, specie, climate_change, diversity, phytoplankt

T06 - sensor, reservoir, datum, software, monitoring, drilling, measurement, b

T07 - ocean, sediment, carbon, flux, co2, aerosol, nitrogen, ecosystem, isoto

T08 - crop, forest, tree, wood, farmer, plant, fire, pest, agriculture, seed

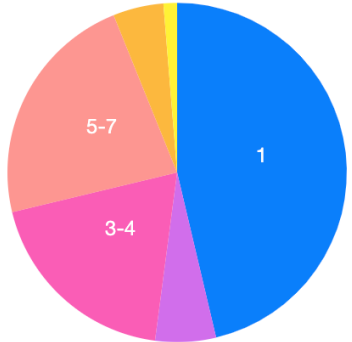T09 - enzyme, protein, gene, fermentation, strain, cell, bacterium, plant, suga

Number of projects per year
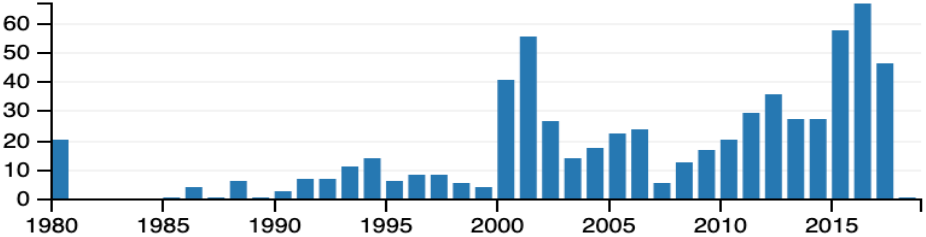
Participant countries

Consortium size (# partners)

intelcomp | 6

Climate Change use case:
Climate & Health interdisciplinary FP7 & Horizon 2020 projects

Project – Publication Topics in Health & Climate
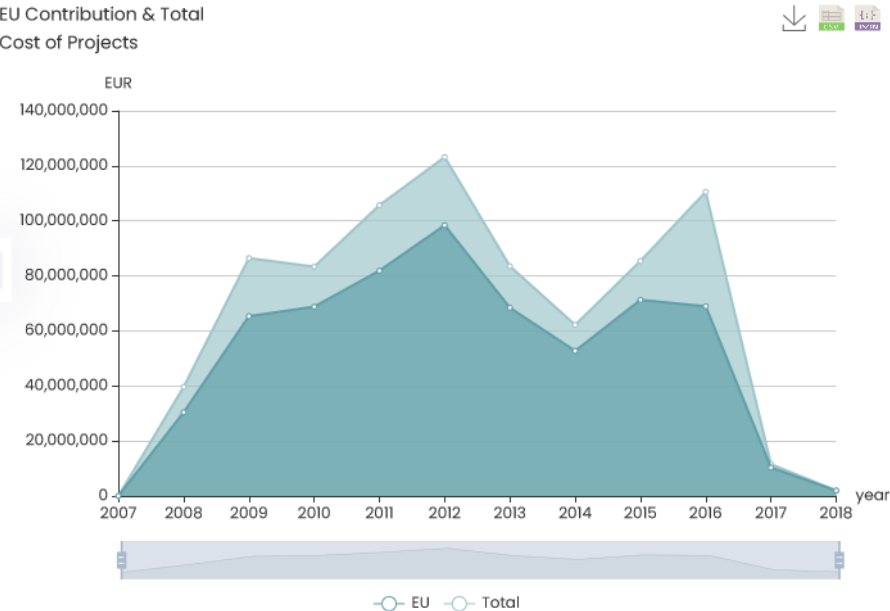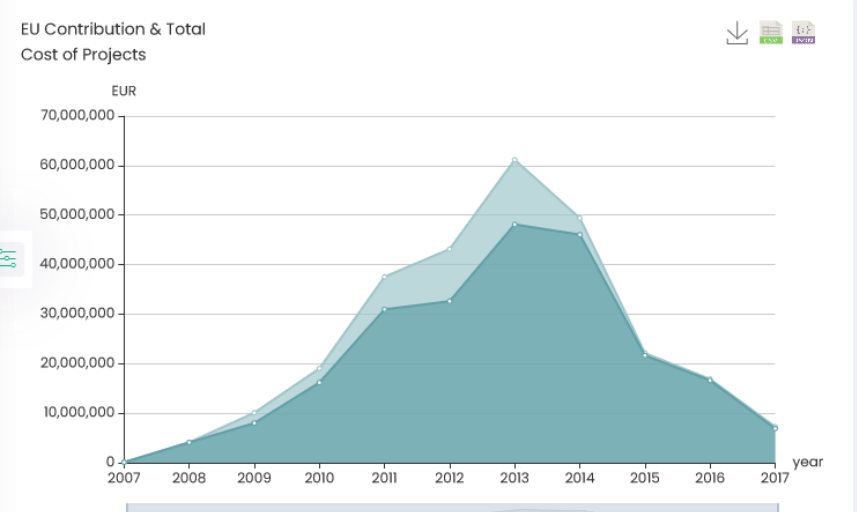

Climatic evolution

Field: **HEALTH**   Categories: **Other**

Keywords: global warming, climate warming, impacts climate change, sea ice, climate variability, global climate, global change, temperature precipitation, future climate, global climate change

Human environmental impact and ecological conservation

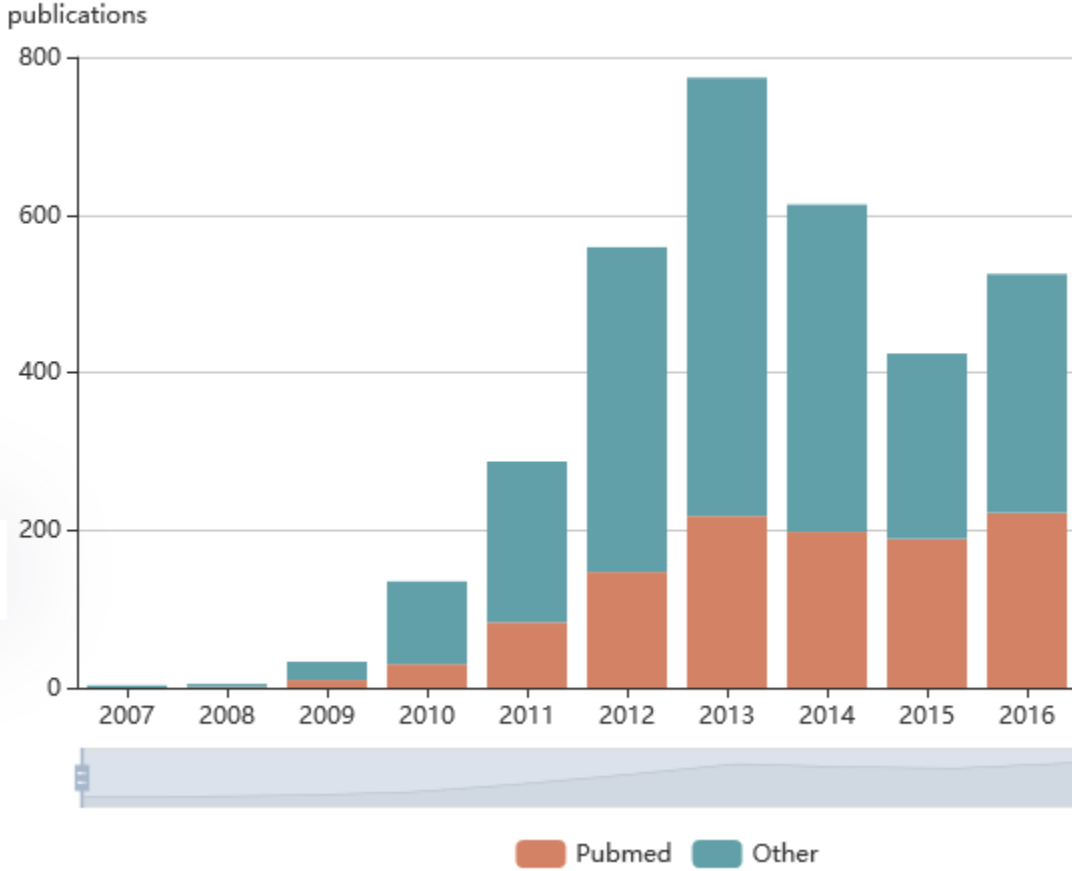Field: **HEALTH**   Categories: **Other**

Keywords: species richness, land cover, coral reef, deep sea, ecosystem services, aquatic ecosystems, biodiversity conservation, tree species, protected areas, marine ecosystems
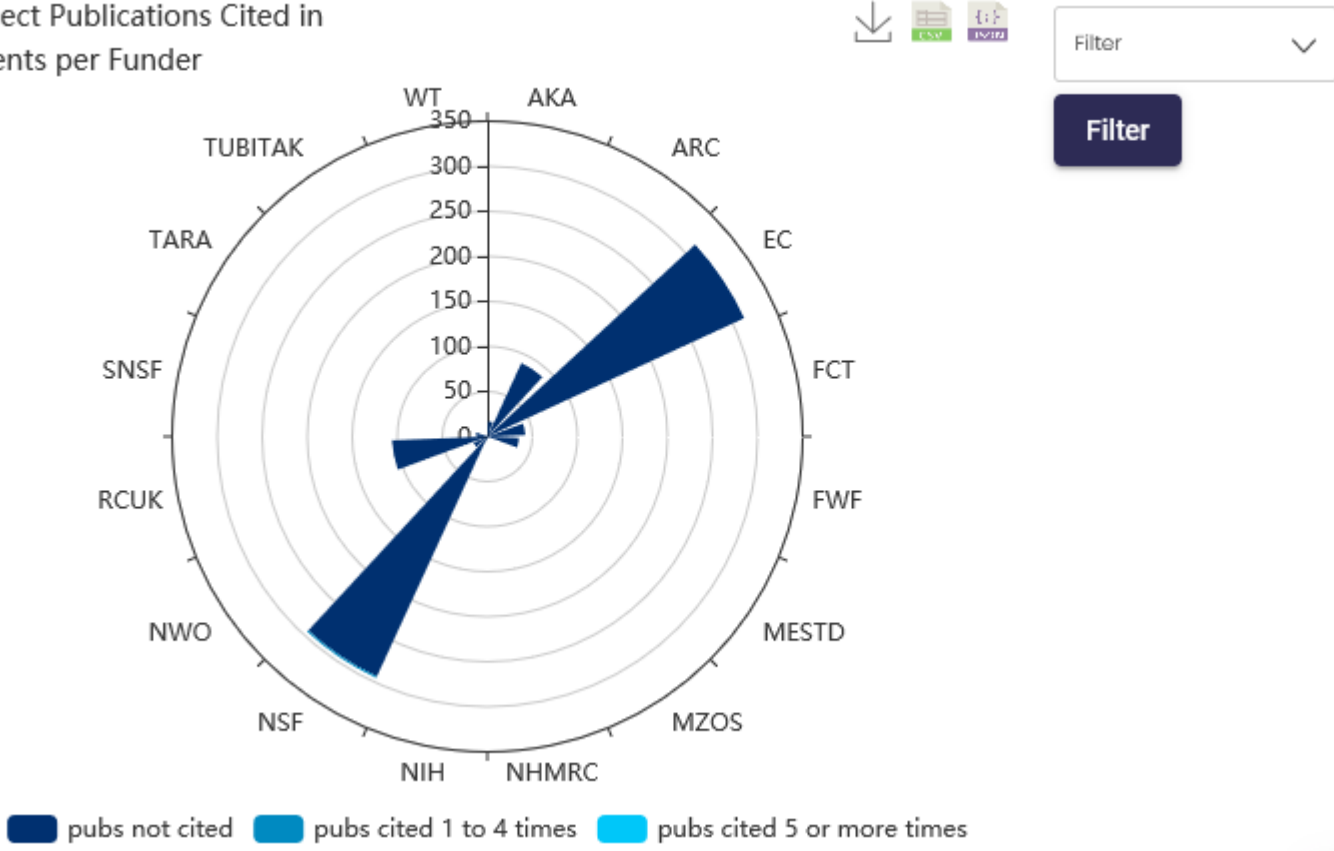
Climate Change use case:
Climate & Health interdisciplinary FP7 & Horizon 2020 projects

Poll question!

(2) From what you have seen, do you think IntelComp tools will help you in your work?

Yes, matches our needs very well

Yes, partially

Maybe, I am not sure yet

No