Living Lab on Artificial Intelligence: summary and results
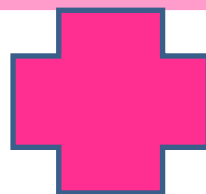
Dr. David Gago – Knowsultng // SEDIA

AI LL Final Event
November 27, 2023

Living Lab on AI: general approach

- **Primary Goal: Provide a full picture of the Spanish STI-AI ecosystem to optimise policy action.**

+ Three (complementary) secondary goals

Fully and effectively involve the four components of the "quadruple helix"

Compare with the EU case: detect weaknesses & strengths

Serve as a useful instrument to meet the main Spanish strategic policy guidelines in AI

Living Lab on AI: workshop activity

AI LL Kick-off event: 24 October 2022

- *Main goal: raise visibility on IntelComp + engage stakeholders*
- *Hybrid : online+ in person (at FECYT)*
- *53 people attended the event*
- *Representation of the 4 components of the quadruple helix (Academia, business sector, civil society, Public Administration)*
- *Both national & international representation*
- *Speeches from consortium members + external stakeholders (Keynote speaker)*
- *A great deal of interest in the project was observed*

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Living Lab on AI: workshop activity

IMT event: 6 June 2023

- *Main goals: get feedback on IMT tool from stakeholders*
- *Online event (via Teams)*
- *Around 30 people registered, but 21 finally attended*
- *Representatives of Academia, business sector & P. Administration attended the event*
- *Agile methodologies were implemented to optimise feedback:*
    - Value proposition canvas in App Mural (thks to Asier, NTT Data!!)
    - Based on creation of gains and removal of pains (IntelComp & IMT level)
    - Team working on different IMT capabilities
    - Building of impact/effort matrix

- Results:
    - Somehow below expectations: agile methodologies are more successful when implemented in-person

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Living Lab on AI: workshop activity

STI Viewer event: 27 September 2023

- Main goals: present the STI Viewer tool (and, secondly, get feedback)
- Hybrid: in-person (hosted by FECYT) + online
- 26 people registered, 22 attendees
- Focus solely on Public Administration representatives (both national & international)
- Efforts were made to explain how indicators are built
- Included a brief demo of the STI Viewer (web connection), which allowed the participants to have first-hand access to EU & Spain visualisations

- Results:
    - Positive feeling. The demo was successful and attracted the attention of participants
    - Attendants were rather active and interest on the tool was detected

Living Lab on AI: workshop activity

> **AI LL final event: 27 November 2023**

- *Main goals:*
  - *Balance of AI LL activities developed during Intelcomp project life.*
  - *Demonstration of some recently launched tools (e,g. STI Participation Portal).*
  - *Introduce the "what´s next?" question (exploitation & sustainability of Intelcomp).*
- *Around 35 people registered*
- *Representatives of the 4 QH components*

THANK YOU

Living Lab on AI: co-creation

IMT training session. 21 March 2023

- *Main goals: share with SEDIA colleagues the main functionalities of IMT (+get feedback from attendees)*
- *In-person (hosted by SEDIA)*
- *Chaired by UC3M (Jerónimo Arenas)*
- *Included a short demo on IMT's main functionalities*
- *Preparatory session to IMT sprints*

IMT sprints (May-June 2023)
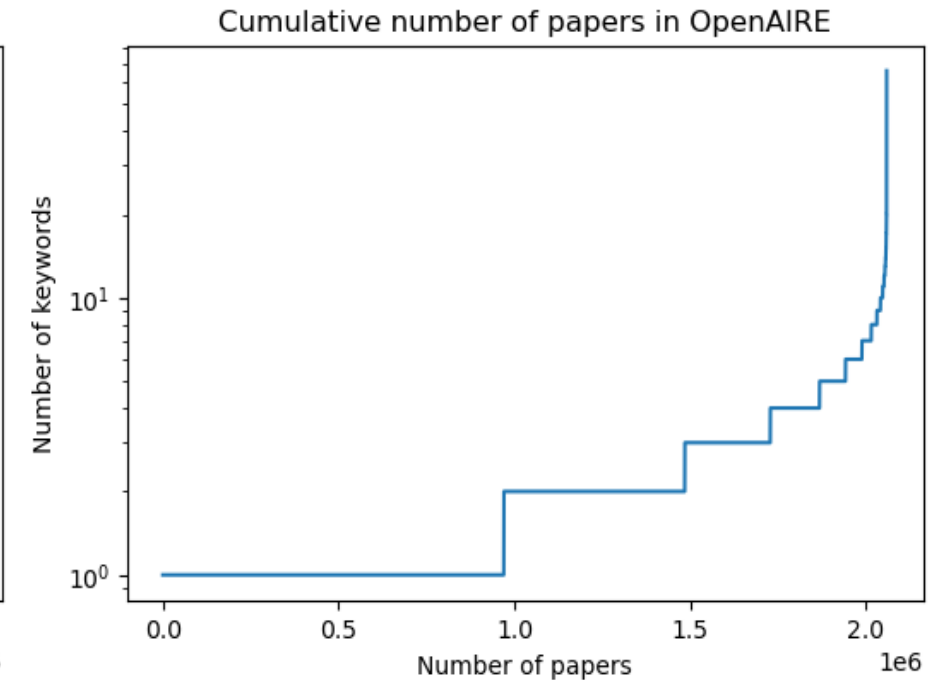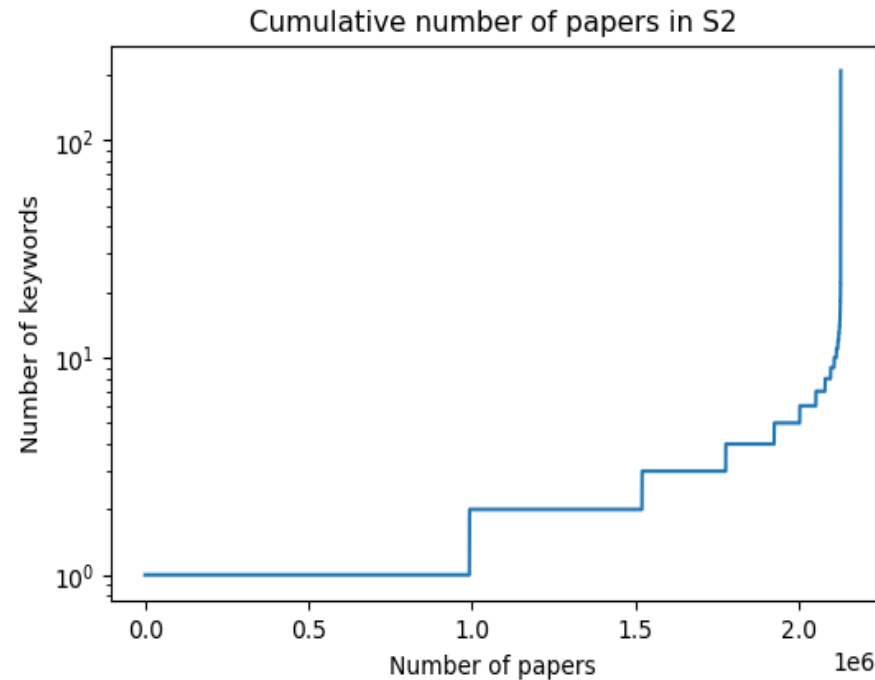
- *A series of sprints were carried out along with HCERES to:*
  a) Validate the correct deployment of topic modeling & domain selection (see next slides);
  b) Correct errors;
  c) Identify new functions;
  d) Make the tool more user-friendly.

Living lab on AI: co-creation

Publications: Semantic Scholar vs OpeinAire

- An example: co-creation in the criteria for selecting AI datasets (publications, patents, projects)

- Domain selection: A list of **266 AI-Keywords** (domain specific & curated by experts) have been used to build two datasets (publications, patents, European projects): dataset 1 (at least 1 AI keyword) & dataset 3 (at least three keywords)

Cumulative number of papers in S2

Cumulative number of papers in OpenAIRE

Semantic Scholar	Papers with 1+ Kwds	2.128.190
	Papers with 3+ Kwds	608.155
OpenAIRE	Papers with 1+ Kwds	2.058.409
	Papers with 3+ Kwds	574.346

Living Lab on AI: key messages

Key messages from past AI LL activity

- The stakeholders involved have demonstrated **a strong interest in the practical implementation of AI tools** in the events carried out, as it **helped clarify the rationale and full potential of the platform.**

- Conveying the **comprehensive nature of the platform and the interactions generated between the various integrating tools** to the stakeholders has meant a significant challenge.

- A relevant concern of the stakeholders had to do with the **sustainability of the platform and the possibility of joining it to undertake further developments** using the tools already available**.**

- The stakeholders also agreed on **the importance of nurturing the platform with a higher number of databases** in order to obtain higher value-added insights.

- **Internal sprints** have turned out to be a **powerful & useful co-creation activity** to streamline and optimise platform tools (STI Viewer)

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