



The AI living lab use case: approach, organization and next steps

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Kick-Off Event of the Artificial Intelligence Living Lab



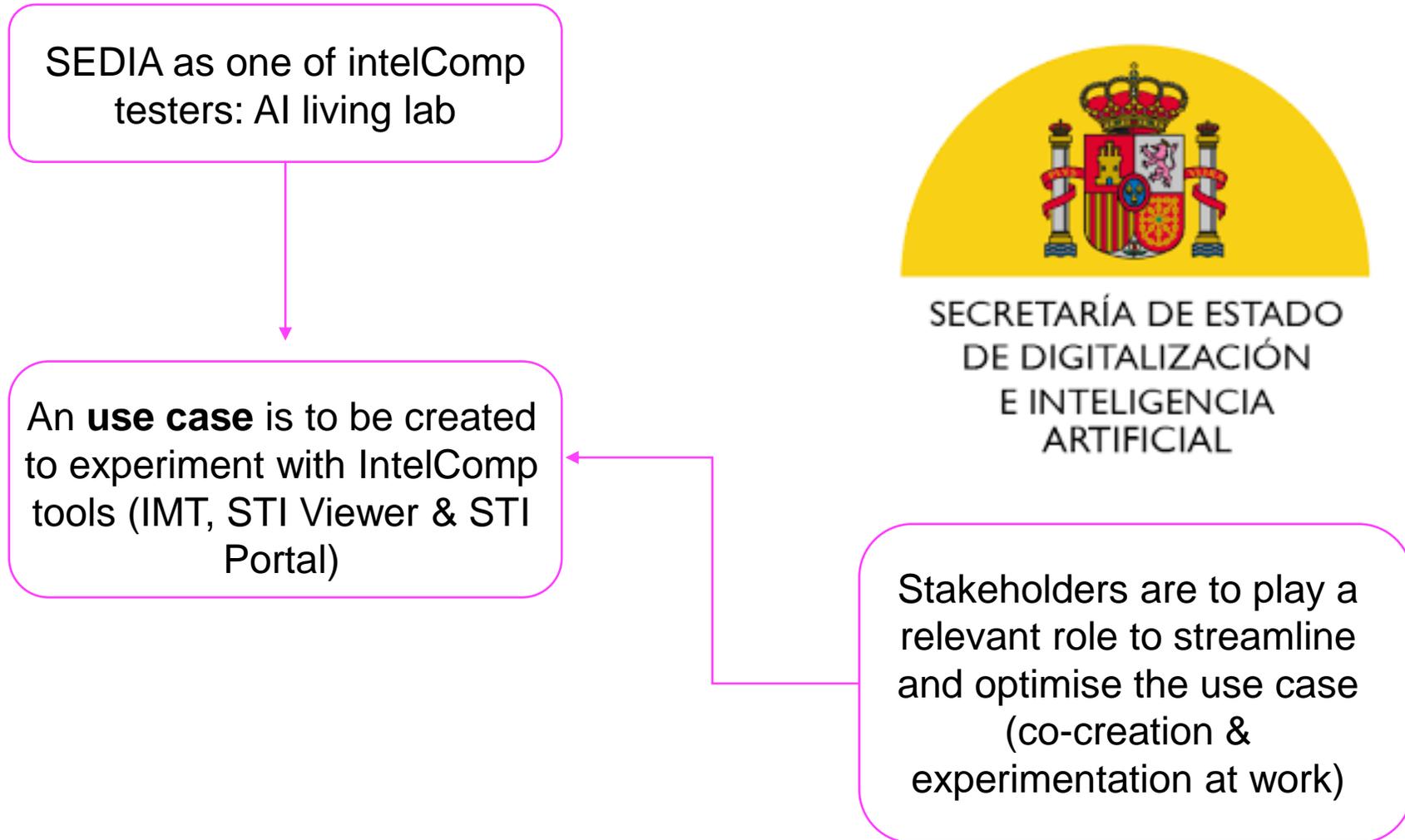
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 - 1.2. Examples of policy questions
 - 1.3. Policy questions & data
 - 1.4. External coherence
2. The role of stakeholders
3. Timeline & next steps

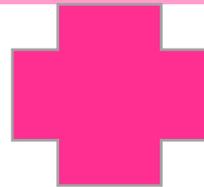
1.1. The AI LL use case: overview & goals



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1.1. The AI LL use case: overview & goals

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

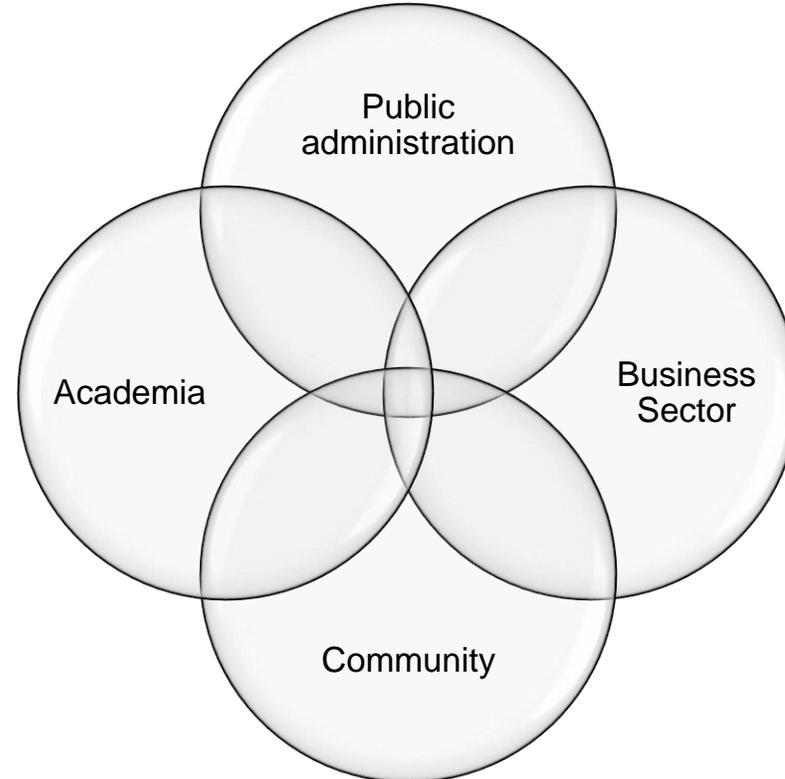


+ Two (complementary) secondary goals

Fully and effectively involve the four components of the “quadruple helix”

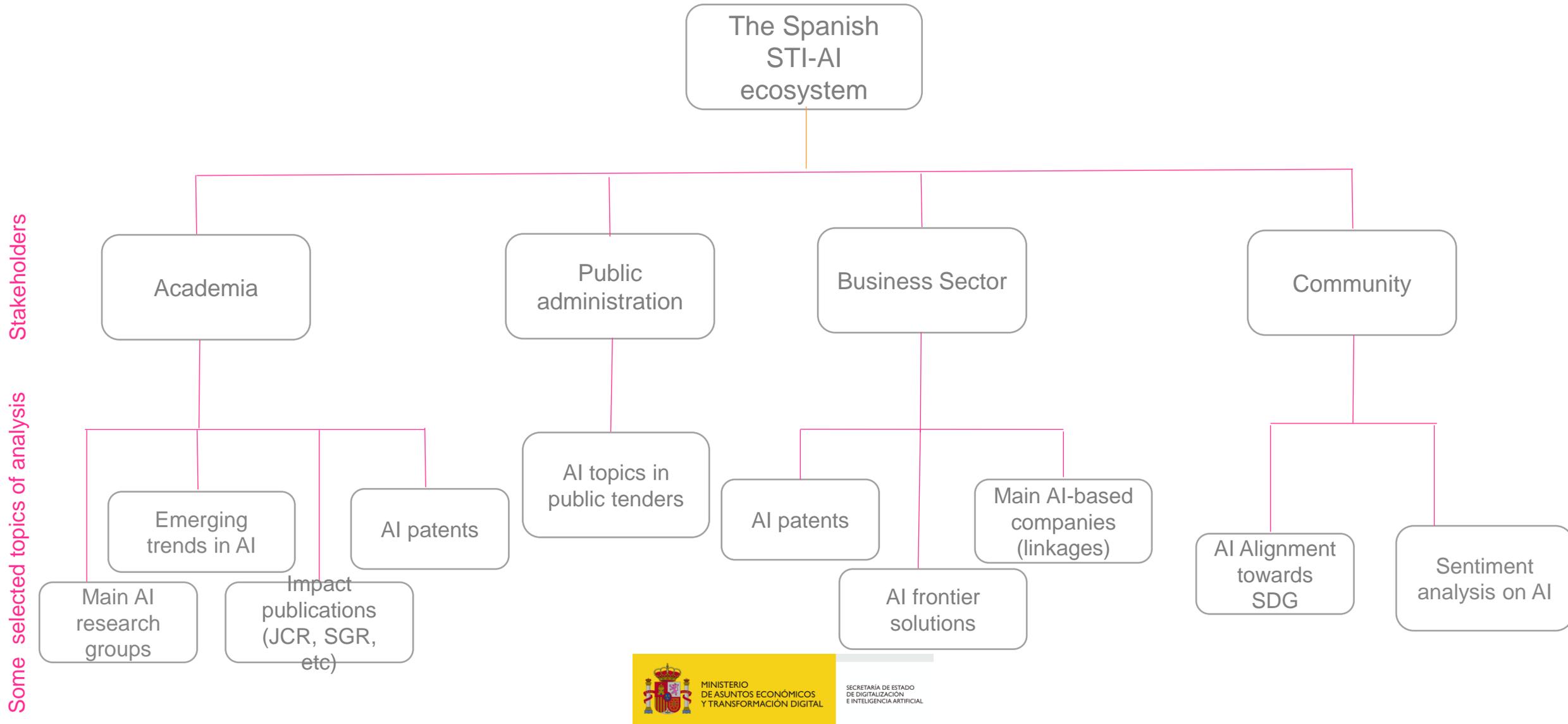
Serve as an useful instrument to meet the main Spanish strategic policy guidelines on AI

1.1. The AI LL use case: overview & goals



“AI ecosystem” is defined in terms of “the quadruple helix”

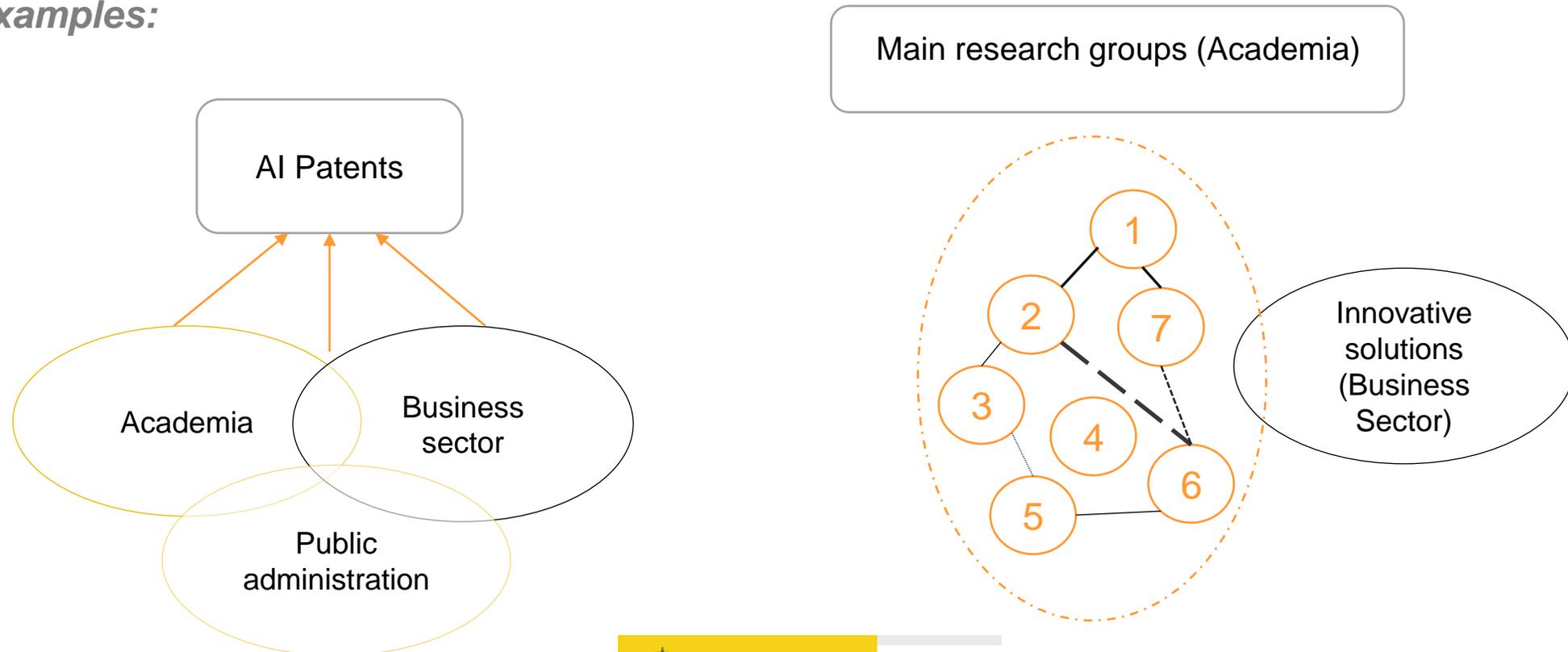
1.1. The AI LL use case: overview & goals



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Stressing a cross-setting & interactive approach: innovation as a circular & systemic phenomenon

Examples:



1.2. The AI LL use case: examples of policy questions

Analysis aimed at optimising policy actions: some questions of interest: questions are ordered according to the seven functions of the Research & Innovation system

What are the main Spanish ST-AI strengths and weaknesses (compared to other countries)?

Where are the main AI research groups located?

To what extent are companies & entrepreneurs working jointly with Academia to come up with AI innovative solutions?

To what extent are Academic research groups working in joint projects on AI? EU-funded projects?

What are the main topics on AI debated in the Spanish Parliament? What is the sentiment?

Are the AI topics of current public tenders aligned with the AI topics of interest of businesses and research groups?

To which SDGs // ENIA axes is research in AI mostly contributing to?

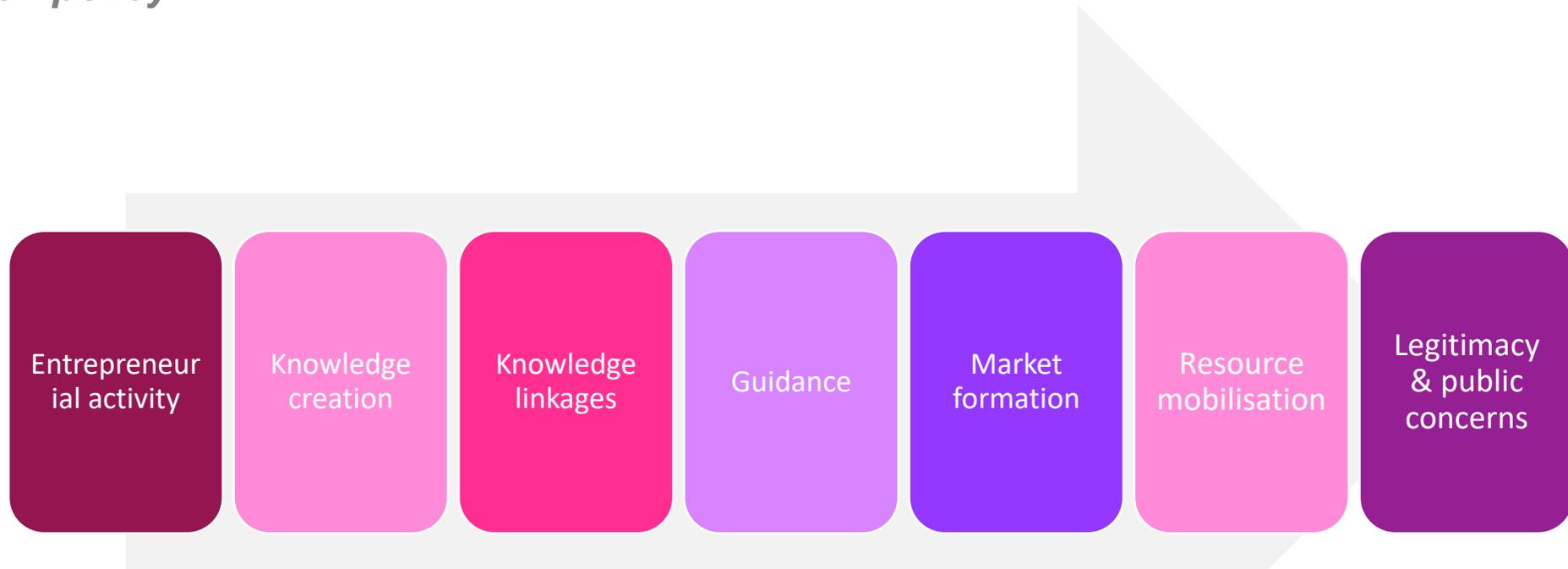
Is there any AI field where Spain stands out in terms of research and/or innovation (w.r.t. Europe)?

Are the different quadruple helix components effectively collaborating in undertaking AI-research initiatives?

What are the emerging AI research topics both in Spain and the EU?

1.2. The AI LL use case: examples of policy questions

Questions around the AI use case will cover the seven traditional functions of Research & Innovation policy



2.3. The AI LL use case: policy questions & data

1. Entrepreneurial activity (business sector)

Question	Measurement	Data sources	Taxonomy	Responsible
Are there companies involved in EU (H2020/HEurope) AI-related funded projects?	Total Budget Average Budget Number of companies (and % of total)	CORDIS	NACE Scientific discipline Technology	XXXX

3. Knowledge linkages & diffusion

Question	Measurement	Data sources	Taxonomy	Responsible
Which difusión channels work best in good practices at international level?	Number and share(%) of open access publications	OpenAire CORDIS	Scientific discipline	XXXX
Are the stakeholders collaborating?	Share of public-private collaboration in: Patents Publications EU H2020/HEurope projects National research projects	PATSTAT OpenAire Github National calls (e.g. PEICTI)	Scientific discipline Technologies SDG	XXXXX

1.3. The AI LL use case: policy questions & data

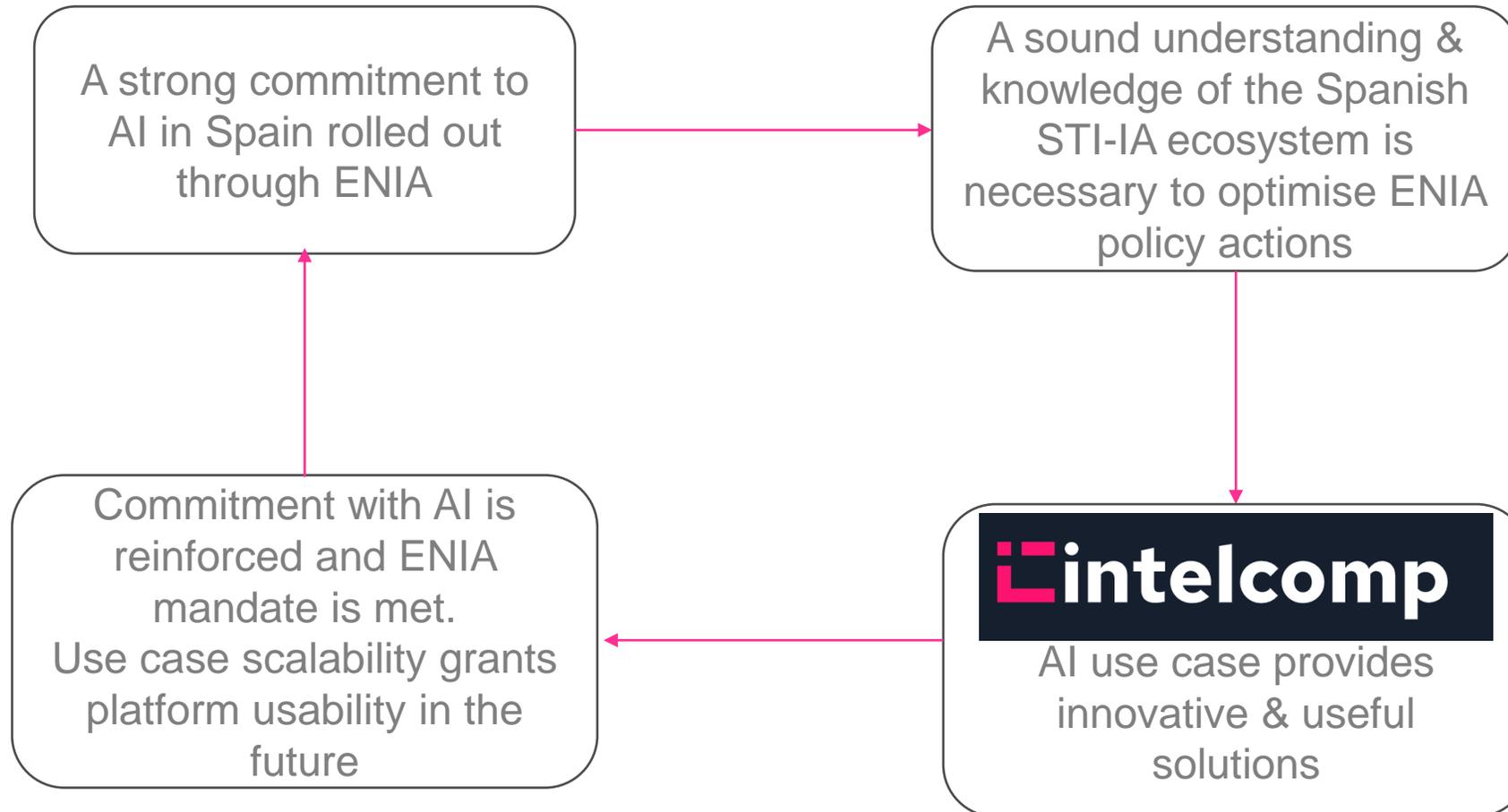
4. Guidance. Contribution to societal changes

Question	Measurement	Data sources	Taxonomy	Responsible
To which societal changes are the research groups contributing to?	Distribution of patents/publications per SDG	OpenAire PATSTAT Github	SDG	XXXXX

7. Creation of legitimacy/address public concerns

Question	Measurement	Data sources	Taxonomy	Responsible
What are the main topics on AI debated in the Parliament? What is the general perception?	Sentiment analysis Topics debated	Parliament minutes	Interdisciplinar	XXXXX

1.4. The AI LL use case: external coherence



1.4. The AI LL use case: external coherence

- ❖ National Strategy on Artificial Intelligence (“ENIA”)



- ❖ The Recovery, Transformation and Resilience Plan (Component #16)- Government of Spain



- ❖ New Language Economy- PERTE (Proyectos Estratégicos para la Recuperación y Transformación Económica- *Strategic Projects for the Economic Transformation and Recovery*)



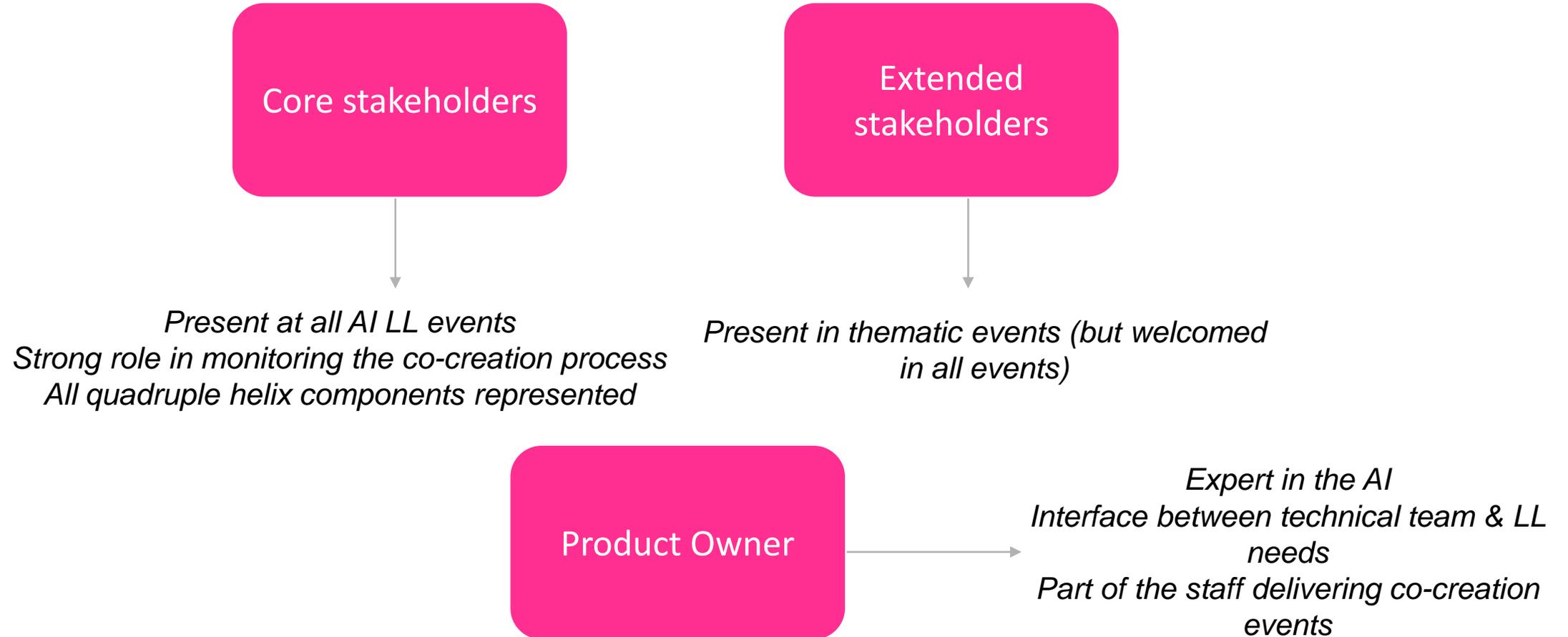
2. The role of stakeholders

T₁ H₄ A₁ N₁ K₅ S₁

We are 42 AI LL stakeholders !!

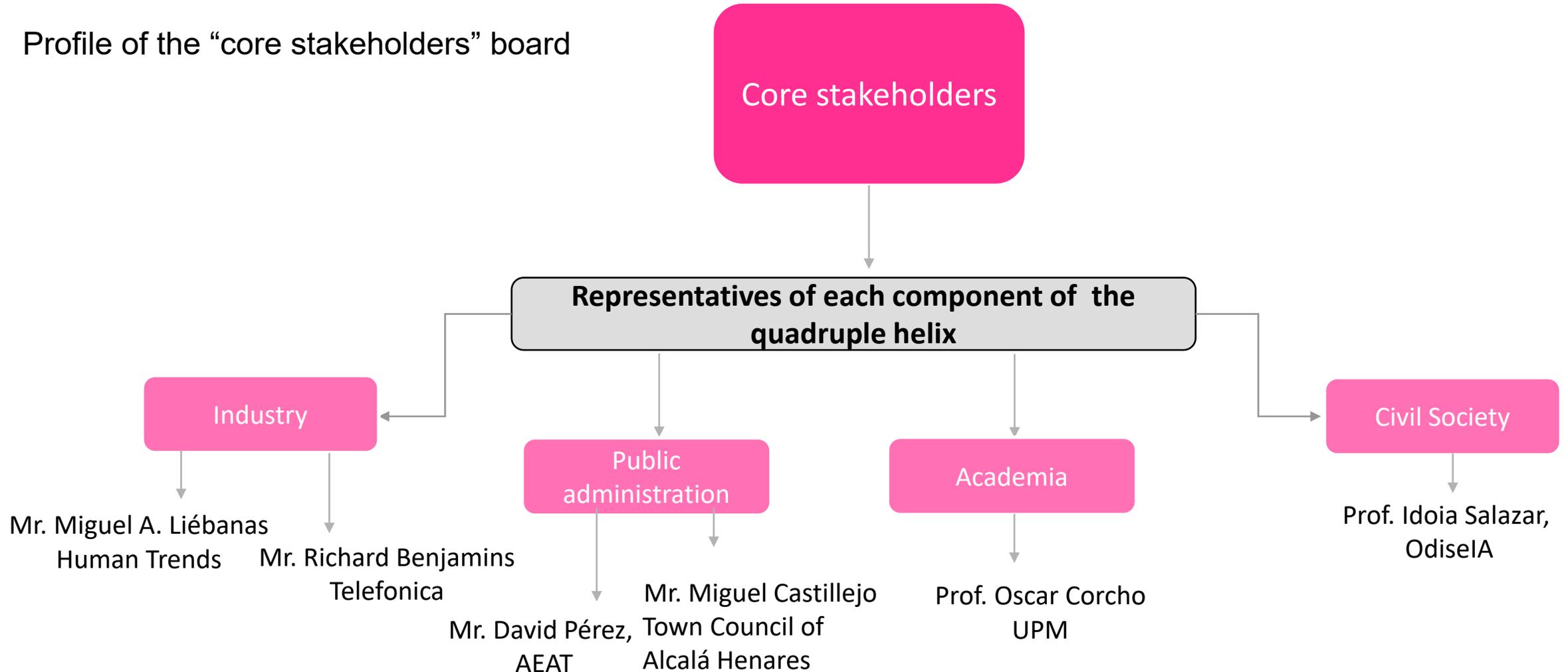
2. The role of stakeholders

Two-levelled stakeholder engagement: core stakeholders & extended stakeholders + product owner



2. The role of stakeholders

Profile of the “core stakeholders” board



2. The role of stakeholders

- The **stakeholders group is not closed**: more stakeholders will be joining us for next events
- Please, **help us** to spread IntelComp so as **to engage a higher level of stakeholders**
- Your **degree of engagement may vary** throughout the project. You decide your role
- This is about **experimentation and co-creation**. (Almost) everything is open

3. Timeline & next steps

Stakeholders planning: outline



Number of “big” events: 5



Participants: representative stakeholders making up the quadruple helix



Duration: 1.5-2 hours event (except for kick-off and plenary/closing events)



Location: Hybrid + Online (most of workshops)



Online tool(s): t.b.c



Target audience: 15-20 participants (thematic)



Facilitators: at least 2



Extensive Follow-up, recording and feedback after each workshop/event

3. Timeline & next steps

Dates/stakeholders involved and nature	Main issues and goals addressed
AI LIVING LAB KICK-OFF EVENT	
October 2022* – everyone (all stakeholders) – Hybrid nature	<i>Held at FECYT premises. Delivered by AI lead team from SEDIA along with WP6 lead (ZSI), technical coordination (FECYT) and technological coordination (UC3M)</i> - Contents: Introduction to IntelComp Project, living lab approach, AI use case and next steps/actions
CO-CREATING INTELCOMP TOOLS: INTERACTIVE MODEL TRAINER AND DATA NEEDS	
First quarter 2023*- Core stakeholders+ Academia+ other interested stakeholders- Online	<ul style="list-style-type: none"> - Interactive Model trainer: draft presentation - Data: databases available, challenges & missing data - Obtaining feedback. What is missing?

3. Timeline & next steps

Dates/stakeholders involved and nature	Main issues and goals addressed
CO-CREATING INTELCOMP TOOLS: STI VIEWER	
Second quarter 2023*- Core stakeholders+ Public Administration+other interested stakeholders- Online	<ul style="list-style-type: none"> - <i>STI viewer: draft presentation</i> - <i>Obtaining feedback. What is missing? How to fine tune the tool?</i>
CO-CREATING INTELCOMP TOOLS: STI PARTICIPATION PORTAL	
Third quarter 2023*- Core stakeholders+ Industry+community + other interested stakeholders	<ul style="list-style-type: none"> - <i>STI participation portal: draft presentation.</i> - <i>Obtaining feedback. What is missing? How to fine tune the tool?</i>

3. Timeline & next steps

Dates/stakeholders involved and nature	Main issues and goals addressed
End 2023*- everyone	<p><i>Plenary and closing event (possibly in-person)</i></p> <ul style="list-style-type: none">- <i>Brief presentation of IntelComp platform</i>- <i>Value provided by stakeholders throughout the project</i>- <i>Ideation of posible future use case opportunities</i>

* Dates are estimates

Along with the “big” events a series of “micro- events” will be carried out with some selected stakeholders to foster co-creation



Thank you very much!

Questions?



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