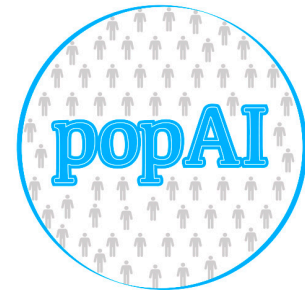


popAI Stakeholder Policy Labs and Foresight Scenarios

Presenters: Dr Pinelopi Troullinou, Senior Research Analyst
Trilateral Research, IE





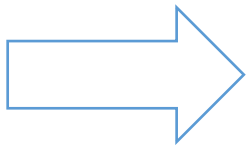
Building a positive sum approach towards AI tools in support of LEAs

- Increasing reliance on the use of innovative technologies to respond to existing and emerging societal issues
- AI promises to support the prediction, investigation, and combat of crime promoting citizen and border protection, safety, and security
- Developments and applications of AI driven technologies especially employed law enforcement agencies (LEAs) raise great **controversies**

Mapping the controversy ecosystems of AI in policing

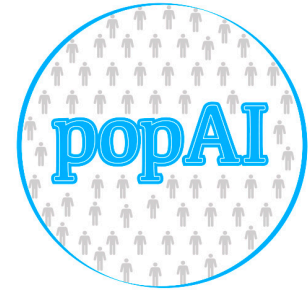


- Shed light both on the potentials and the concerns
- Identify the stakeholders involved in shaping, employing, promoting, and challenging the technology and how they interact
- Who *is* and *should* be involved in the discussions, initiatives, and communications

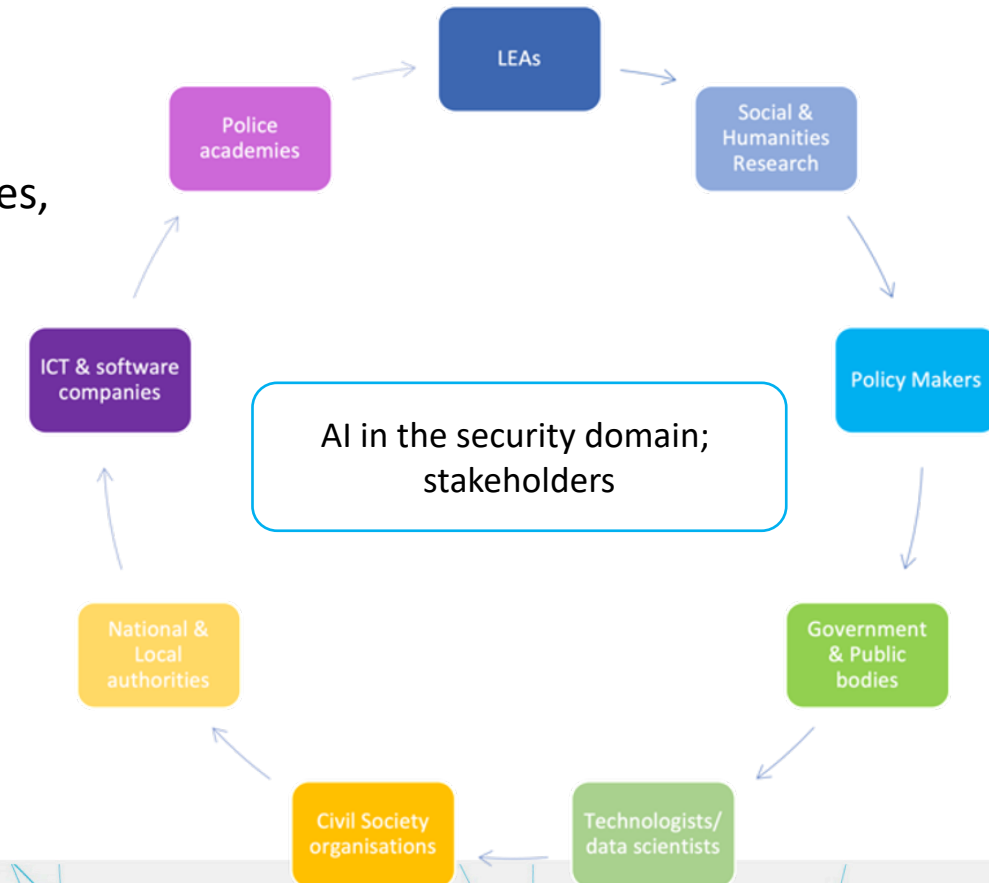


- ensuring the inclusion of diverse approaches
- promoting trustworthy, ethical, and socially acceptable AI tools for LEAs

Mapping the controversy ecosystems of AI in policing



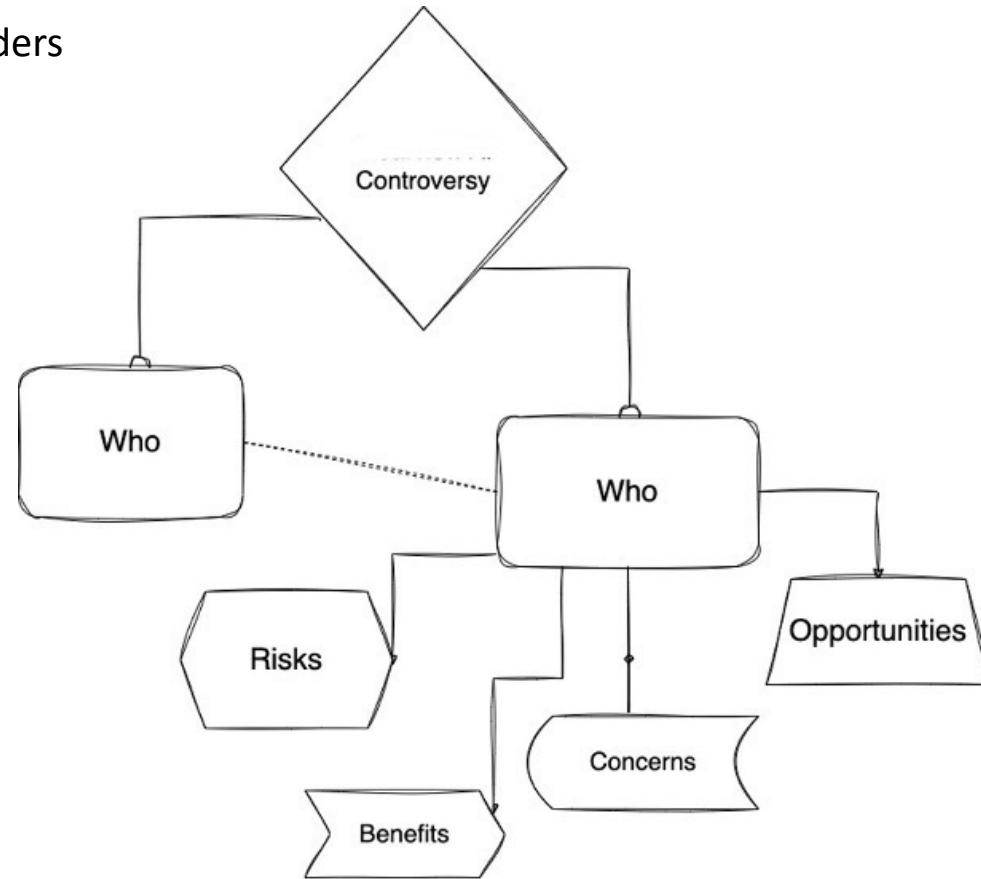
- Identification of controversies applied to diverse policing contexts
- Mapping of stakeholders
- Charting regulation frameworks and policy documents including directives, reports, and plans
- Identifying potentials and concerns



Deconstruction of controversies



- Design of methods to include and understand diverse stakeholders
- Key controversial technologies
- Main concerns (ethical, societal, legal)
- Needs which technologies aim/is expected to address
- Benefits/opportunities
- Legal framework



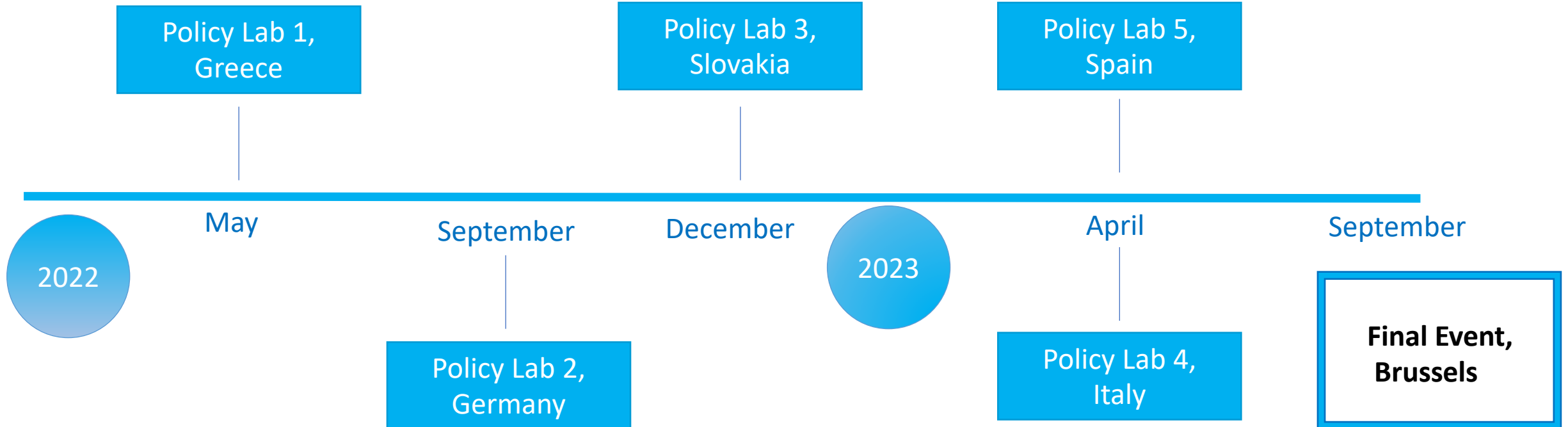
Bringing controversies to the table; Stakeholder Policy Labs led by LEAs



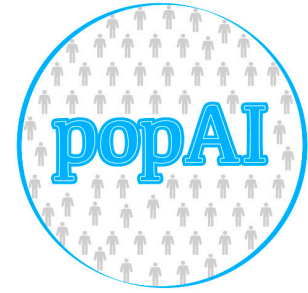
“bringing evidence closer to policymaking”

- Platform for stakeholders to come together, fostering discussions on pertinent issues and exploring the potential benefits and challenges
- Structured around case studies on AI applications for policing prepared by LEAs
- The insights and discussions generated have contributed to the development of scenarios

popAI Stakeholder Policy Labs led by LEAs



popAI Stakeholder Policy Labs led by LEAs

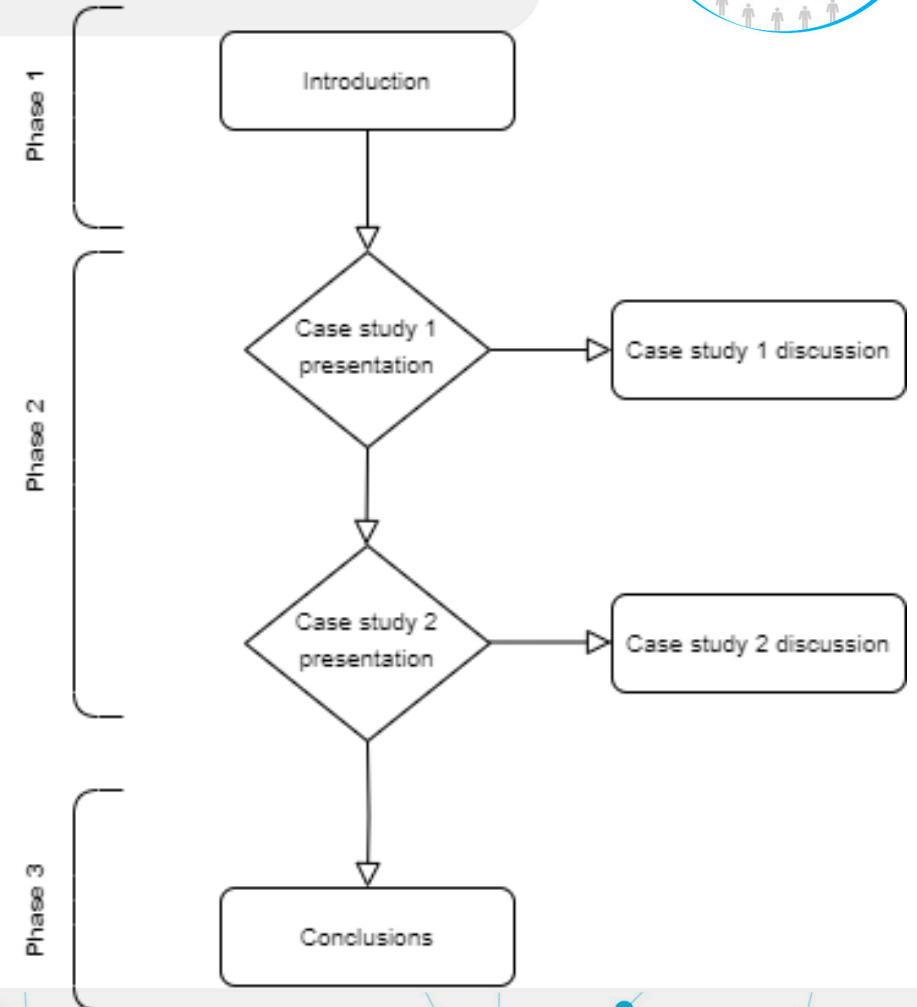


Country	Gender			Background						Total
	Male	Female	Other	LEAs	Academia	Legal experts	Tech designers	Civil servants	Other (incl. NGOs and researchers)	
Greece	12	17		14	1		4	4	5	28
Germany	7	1		8			5			13
Slovakia	26	8		27	1		2	6		36
Italy	9	8		8	1	3	2		3	17
Spain	26	7		24	2			5	2	33

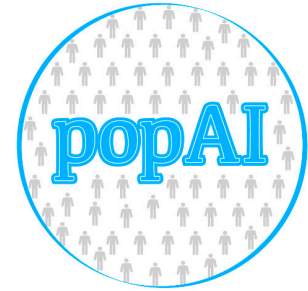
Stakeholder Policy Labs led by LEAs; structure



- Introduction
- Case studies discussions; showcased instances of AI applications employed in law enforcement
- Conclusions; summarised the main takeaways and recommendations, and delivered their final remarks to wrap up the session



Policy Labs led by LEAs; key findings



Main benefits

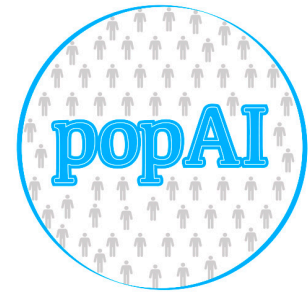
- Improvement of existing systems (e.g. crime recording)
- Analysis of huge amount of data much faster
- Identification and detection of patterns (not discernible by humans)
- Supporting investigation time
- Evidence-based guidance on pre-emptive operations and policy making

Main risks

- Data misuse (discriminatory purposes or extensive data retention)
- Bias and discrimination (risk of impartial control and bias of the system)
- Over-reliance on AI tools (not enough human involvement/supervision)
- Threat to individual and collective freedoms
- Transparency issues (how, when and by whom AI tools are used)
- Lack of citizens' trust in AI technologies and use of personal data

Recommendations

- Citizens'/public awareness on the use of AI
- End-users' training on AI tools
- Human supervision/intervention on crucial stage
- Establishment of legal and ethical standard and protocols
- Specification of conditions under which AI systems are to be used
- Ethic-by-design development of AI technologies (i.e prevent discrimination and bias)
- Legal and regular framework development
- Algorithms' audit/scrutiny
- Independent supervision body to monitor AI employment and use



Stakeholder Policy Labs' insights feeding into foresight scenarios

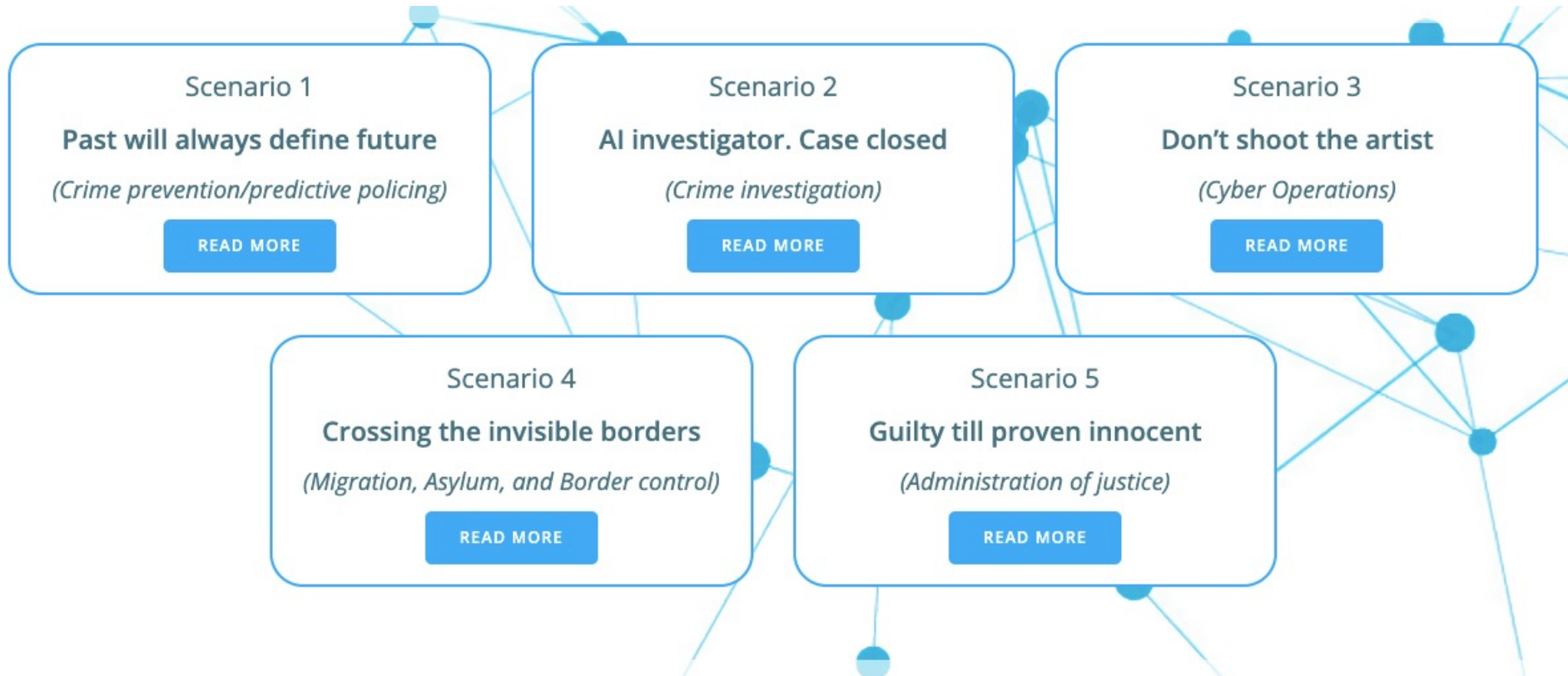
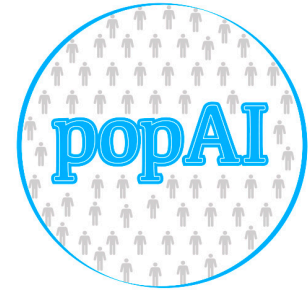
Foresight scenarios are both rigorous and actionable supporting systematic and creative analyses about potential futures

- diverse stakeholders come together to assess needs, preferences, and potential risks
- inform and support the design and development of a dedicated Roadmap of AI in Law Enforcement 2040

➤ Methodology

1. Identify the focal issue; start with a specific issue and considering key factors around it.
2. Identification and analysis of the drivers; identify the key drivers that will influence the key factors listed.
3. Importance and uncertainties; assess the drivers based on the degree of 'importance' of the focal issue identified in Step 1, and the degree of 'uncertainty' surrounding the factors and trends.
4. Selecting scenario logics; based on the ranking exercise select the scenarios logics.
5. Fleshing out the scenarios: Develop a number of internally consistent story lines which project as much as possible what learned through the process.

EmergEd Foresight scenarios



<https://www.pop-ai.eu/foresight-scenarios/>

Foresight scenarios to inform popAI roadmaps



Develop a portfolio of strategic priorities resulting in the Roadmap of AI in Law Enforcement 2040.

- Assess and further develop the scenarios
- Identify which opportunities and threats are common to all, or nearly all, the scenarios so to base the strategic thinking on those ones
- Organizational, technological, and regulatory preparedness to be discussed so to explore the core competencies and the respective gaps

Thank You!

