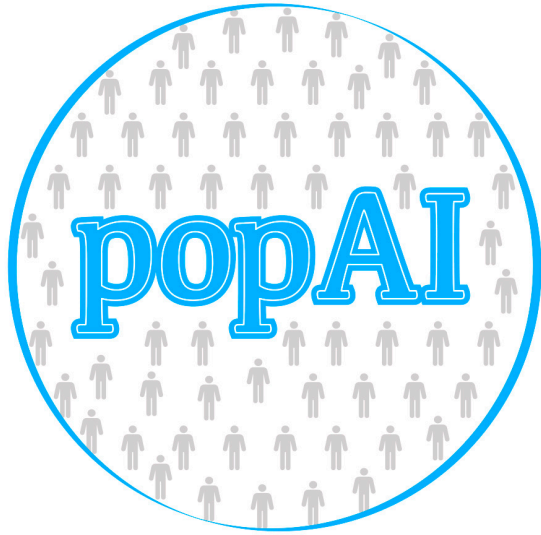|		
13:30-14:15	**popAI Policy Recommendations** **Pandect of Recommendations & multi-disciplinary best practices**	Xenia Ziouvelou (NCSR Demokritos) Dimitra Papadaki (KEMEA)
14:15-15:15	**Multi-disciplinary panel on best practices and policy recommendations**	Panel Moderator: Xenia Ziouvelou Co-moderator: Dimitra Papadaki Panelists: Lilian Mitrou (University of Aegean, popAI external ethics advisor) Lefteris Chelioudakis (Homo Digitalis, Civil Society external advisor) Donatella Casaburo (KU Leuven, ALIGNER external advisor) Ezgi Eren (KU Leuven, STARLIGHT external advisor)
15:15-15:45	**Coffee break**	**Posters/Banners** **Ethics Toolbox Demo**

popAI Policy Recommendations

Dr. Xenia Ziouvelou
NCSR Demokritos, xeniaziouvelou@iit.demokritos.gr

Why AI policy and policy recommendations are important? Especially in Law Enforcement?

popAI

Because it is important that all of us "together" - policy makers, civil society, practitioners, developers, industry, researchers - we shape a human-centric approach to trustworthy AI;
an approach that respects human rights and democratic values;
an approach that fosters "trust" in an important area for all, such as Law Enforcement.

How can this be achieved?

The popAI approach to AI Policy Recommendations for LEAs

How popAI addressed this challenge….

- By consolidating **distinct spheres of knowledge:**
  - **Theoretical & empirical knowledge**
  - **by academics & non-academics,**
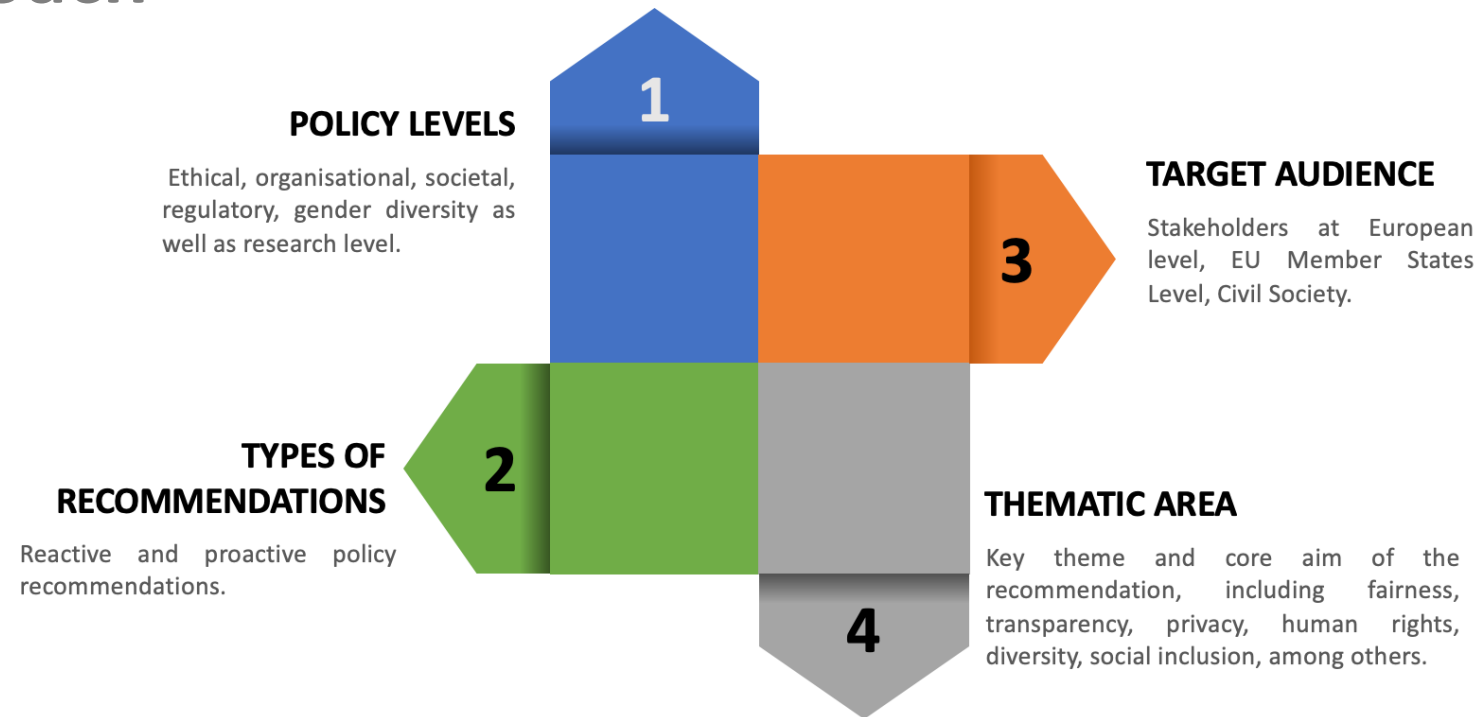
"Approach"

"Stakeholder participation"

- in order to offer a unified and integrated European view across LEAs, and provide specialised knowledge outputs (recommendations, etc), while creating an ecosystem that will form the structural basis for **a sustainable and inclusive European AI hub for Law Enforcement.**

popAI Policy Recommendations

Novel Methodological Approach

- A holistic –multiperspective- methodological approach to facilitate the implementation and usage of 'trusted' AI tools in the domain of security
- Input from all project activities, WPs, Tasks

POLICY LEVELS

1

Ethical, organisational, societal, regulatory, gender diversity as well as research level.

TARGET AUDIENCE

3

Stakeholders at European level, EU Member States Level, Civil Society.

TYPES OF RECOMMENDATIONS

2

Reactive and proactive policy recommendations.

THEMATIC AREA

4

Key theme and core aim of the recommendation, including fairness, transparency, privacy, human rights, diversity, social inclusion, among others.

popAI policy framework

popAI Policy Recommendations

| Phases	Phase 1: Bottom-up approach	Phase 2: Top-down approach	Phase 3: Integrated input
Methods	Community-driven policy perspectives for AI in law enforcement across EU - Policy Lab 1: Greece (May 2022) - Policy Lab 2: Germany (Sep. 2022) - Policy Lab 3: Slovakia (Dec.2022) - Policy Lab 4: Italy (Apr. 2023) - Policy Lab 5: Spain (Apr.2023) - Policy Lab 6: Belgium (Sep 2023)	Literature and expert-driven - Research findings - Expert input	Integating policy recommendations - Collecting input from Phase 1, 2 - Integrating input
Stakeholders	Civil society and their representatives (NGOs, etc), practitioners, LEAs, diverse domain experts	Expert-driven perspectives, mainly driven from the project experts	Researchers
Level	EU	EU	EU

But how can we map and analyse an integrated set of AI policy recommendations for LEAs?

What sort of conceptual tool could enable us to identify and describe the core policy concepts, categories and entities, and the interconnections between them?
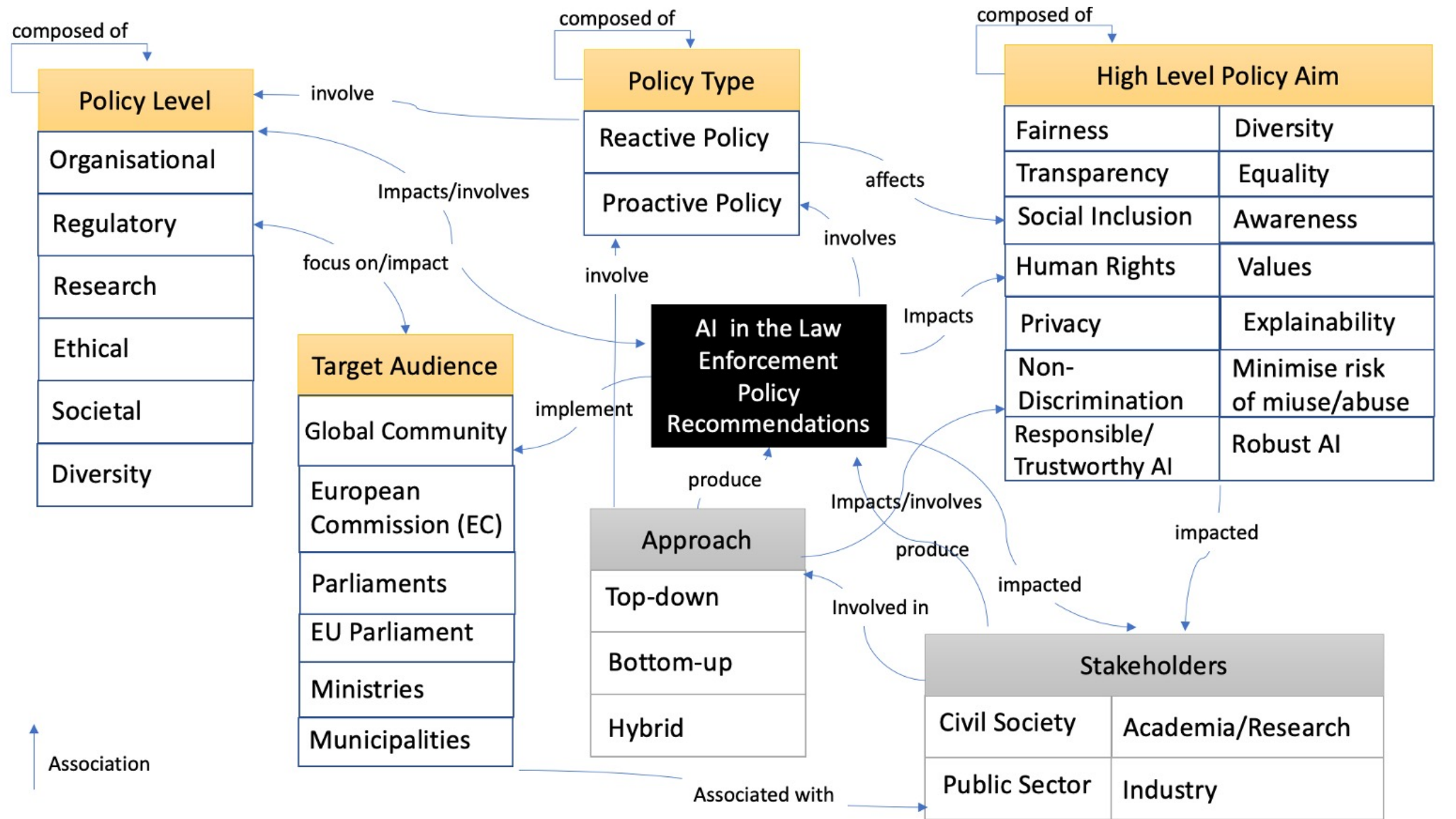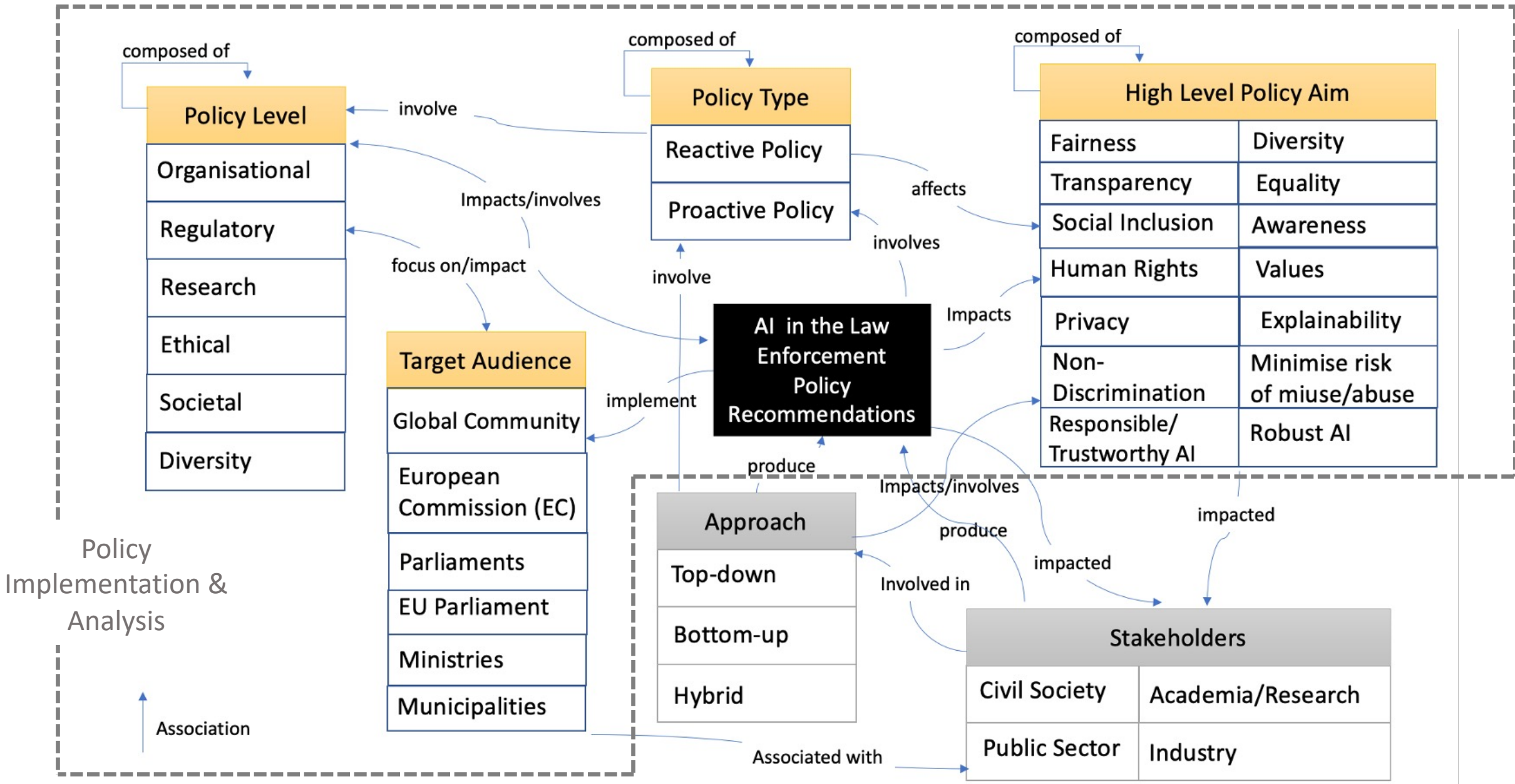
An AI Policy Ontology – As a conceptual tool for mapping the Core Concepts and Relationships for AI Policy Recommendations
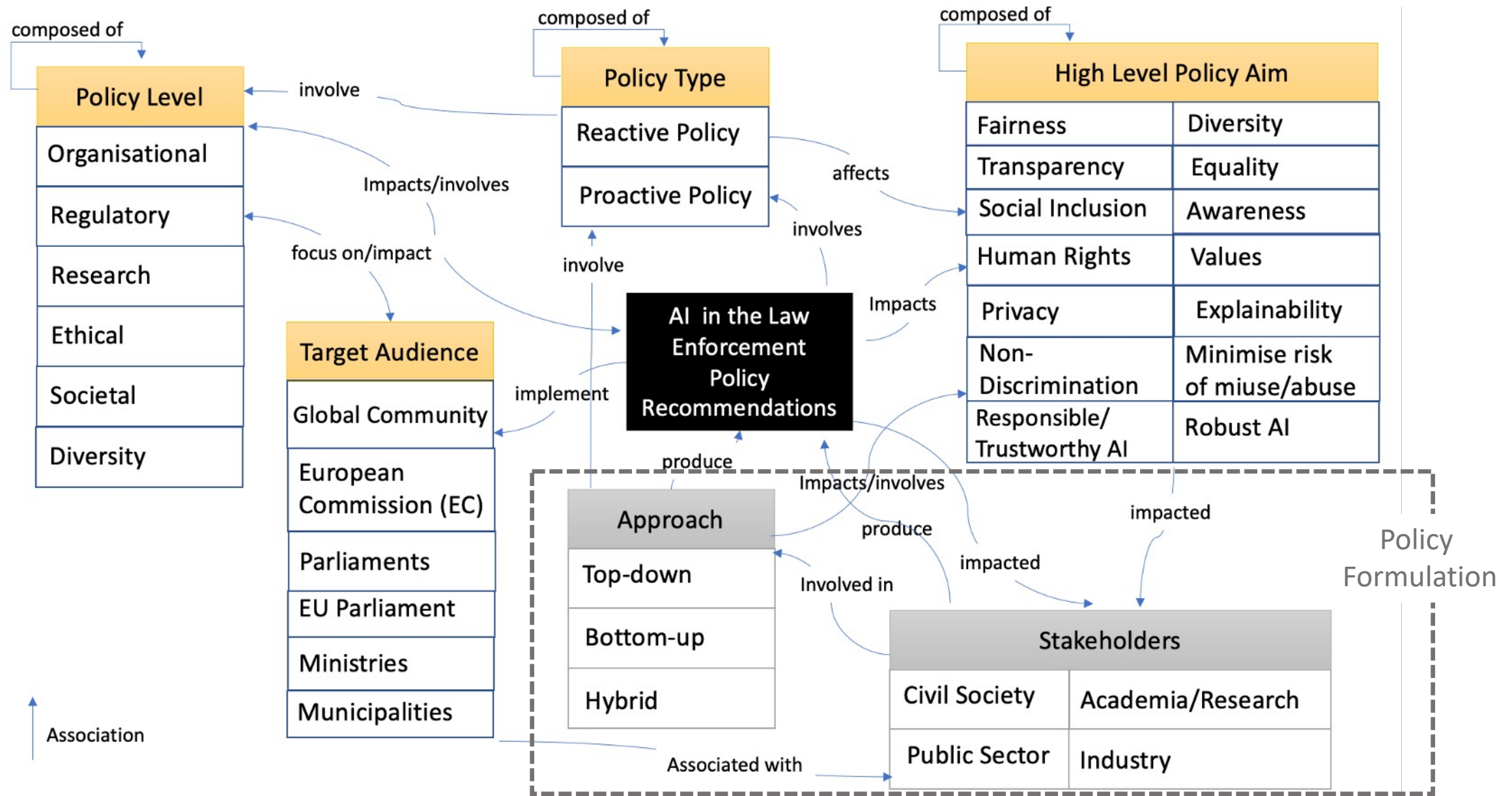
An AI Policy Ontology -Core Concepts and Relationships for AI Policy Recommendations

An AI Policy Ontology -Core Concepts and Relationships for AI Policy Recommendations

popAI policy recommendations overview (1st Policy Brief Deliverable D1.6)

9 policy recommendations for AI in Law Enforcement (2022)

* Reactive policy recommendations focus on the current state of affairs. Proactive focus on the future state of affairs (short-term future).

Level	Policy Recommendations	Type of Policy Recommendation		Target Audience	High-level Theme/ Aim of the Recommendation
		Reactive	Proactive		
Ethical Level, Organisational Level	1. EU to support the development of **frameworks for the evaluation of AI tools** ensuring their ethical, fair, and transparent adoption by public sector		⚙	EC DG Home, EU Parliament	Ensure fairness, transparency
Societal Level	2. EU Member States to develop **meaningful dialogue with civil society organisations** to strengthen citizens' confidence in the use of AI tools in support of the law enforcement authorities		⚙	Member States Parliaments, Ministries, Civil Society Organisations and Initiatives	Enhancing transparency, social inclusion, awareness creation
Regulatory Level	3. EU to adopt **a European regulation** to enhance transparency in the planning, implementation, and use of AI systems with the participation of civil society organisations	⚙	⚙	European Commission (EC), EU Parliament, Member States Parliaments	Enhancing transparency, inclusion
Organisational Level, Societal Level	4. EU Member States to implement procedures for **continuous monitoring of AI systems,** with the active participation of civil society organisations, for appropriate employment and use	⚙	⚙	Member States Parliaments, Ministries	Enhancing transparency, Preserve privacy and human rights, social inclusion
	5. EU to support the development and employment of **clear guidelines and procedures for the use of AI systems** by LEAs	⚙		EU Parliament, Member States Parliaments, Ministries	Minimise risks of abuse and/or misuse, enhance transparency,
Ethical Level, Societal Level	6. EC and EU Member States to ensure that AI systems are **inclusive, fair, equitable and non-discriminatory.**		⚙	EC, EU Parliament, Member States Parliaments, Ministries	Preserve privacy and human rights, fairness, equality, inclusion, non-discrimination
Gender Diversity Level	7. EU to support and invest in the **development of guidelines for gender sensitive policing** in the AI era.		⚙	EC DG Home	To address gender diversity, social inclusion
Research Level (EU-funded research)	8. EU to establish **ethics committees** that review proposals in the security domain based on potential ethical and societal issues.		⚙	European Commission	Ensure development of ethical outputs
	9. EU to promote **inclusive participation** (stakeholders and countries) regarding EU projects in the security domain	⚙	⚙	European Commission	Promote inclusivity

popAI policy recommendations overview (2nd Policy Brief Deliverable D1.7)

17 policy recommendations for AI in Law Enforcement (2023)

Part 1/4

Policy Recommendations		Type of Policy Recommendation[2]		Target Audience	High-level Theme/ Aim of the Recommendation
		Reactive	Proactive		
Ethical Level, Societal Level, Organisational Level, Regulatory Level	1, EU to provide a **legal framework for continuous AI training and educational programmes** under the AI Literacy notion for LEAs and civil society	⚙	⚙	EC DG Home, EC, EU Member States, (as well as providers and users of AI systems), Ministries, Municipalities &	AI literacy, Societal Well-being, Preserve privacy human rights and non-discrimination principle
Regulatory Level	2. EU to establish **a common, harmonized, European AI regulation for LEAs,** that will govern the entire process from the design to the implementation and final use of AL systems by law enforcement authorities.	⚙	⚙	European Commission, European Parliament	Enhance transparency and fairness
Organisational Level, Ethical Level, Societal Level, (PRIOR TO USE)	3 Develop clear **guidelines and standards for the collection, storage, restriction and use of biometric data by LEAs**		⚙	EC DG Home, DG Just	Avoid risk of discriminatory use of data
	4. Carrying out **impact assessments** even in cases when this is not obligatory by law	⚙	⚙	EU and MS legislative bodies	Respect for Fundamental Human Rights, Ethics, Democracy and Rule of Law
	5 Establishment and standardisation of a **holistic Impact Assessment procedure**	⚙	⚙	EU and MS legislative bodies	Respect for Fundamental Human Rights, Ethics, Democracy and Rule of Law
	6. Establishment of **lawfulness, transparency and accountability protocols for LEAs**	⚙	⚙	EU legislative bodies along with EU Member States	Lawfulness, transparency, accountability and auditability
Organisational Level, Ethical Level, Societal Level (USE)	7.EU to support the development of **guidelines designed especially for the use of AI systems by LEAs.**	⚙	⚙	European Parliament	Minimise risks of abuse or misuse, enhance transparency
	8.Formulating a **general ethical framework for the use of AI tools,** taking into account that the AI Regulation can only regulate the basic legal framework for the use of AI		⚙	EU Parliament, Member States, universities, police academies, scientific projects consortiums,	Preserve the public order, Preserve privacy and human rights, Transparency in using the AI tools
	9.EU to ensure that the **use of AI tools by police officers** must be subject to **multi-level control**	⚙	⚙	Member States, Ministries, Police Presidiums and/or other authorities responsible for using AI tools	Transparency in using AI tools
Organisational Level, Ethical Level (AFTER USE/USE)	10. EU to establish a procedure for the **evaluation of AI tools used by LEAs**, from the ethical point of view		⚙	European Parliament	Ensure fairness, transparency and ethical use
	11. EU Member States to support the **continuous monitoring of AI systems** in use, taking into account the perspective of civil society organisations.	⚙	⚙	EU Member States	Enhance transparency, Preserve privacy and human rights
	12. Establish a **European AI Systems Registry** that will hold basic information about each AI System used by each LEA/per country and its records will be accessible to all EU citizens.	⚙	⚙	European Commission, EU Member States	Enhance transparency, Ensure fairness,

Policy Recommendations		Type of Policy Recommendation[2]		Target Audience	High-level Theme/ Aim of the Recommendation
		Reactive	Proactive		
Ethical Level, Societal Level, Organisational Level, Regulatory Level	1, EU to provide a **legal framework for continuous AI training and educational programmes** under the AI Literacy notion for LEAs and civil society			EC DG Home, EC, EU Member States, Ministries, Municipalities	AI literacy, Preserve privacy, Human rights, Non-discrimination, Societal Well-being
Regulatory Level	2. EU to establish **a common, harmonized, European AI regulation for LEAs,** that will govern the entire process from the design to the implementation and final use of AL systems by law enforcement authorities.			European Commission, European Parliament	Enhance transparency and fairness, Trustworthy AI, Lawfulness

Part 2/4

popAI policy recommendations overview (2nd Policy Brief Deliverable D1.7)

Prior to Use

Use

Post Use

|	Policy Recommendations	Type of Policy Recommendation [3]		Target Audience	High-level Theme/ Aim of the Recommendation
		Reactive	Proactive		
Organisational Level, Ethical Level, Societal Level, **"PRIOR TO USE"**	3 Develop clear **guidelines and standards for the collection, storage, restriction, and use of biometric data by LEAs**		⚙	EC DG Home, DG Just	Avoid risk of discriminatory use of data
	4. Carrying out **impact assessments** even in cases when this is not obligatory by law	⚙	⚙	EU and MS legislative bodies	Respect for Fundamental Human Rights, Ethics, Democracy, Lawfulness
	5 Establishment and standardisation of a **holistic Impact Assessment procedure**	⚙	⚙	EU and MS legislative bodies	Respect for Fundamental Human Rights, Ethics, Democracy, Lawfulness
	6. Establishment of **lawfulness, transparency, and accountability protocols for LEAs**	⚙	⚙	EU legislative bodies, EU Member States	Lawfulness, Transparency, Accountability and Auditability
Organisational Level, Ethical Level, Societal Level **"USE"**	7. EU to support the development of **guidelines designed especially for the use of AI systems by LEAs.**	⚙	⚙	European Parliament	Minimise risks of abuse or misuse, Transparency
	8. Formulating a **general ethical framework for the use of AI tools,** considering that the AI Regulation can only regulate the basic legal framework for the use of AI		⚙	EU Parliament, Member States, Universities, police academies	Preserve privacy, Fundamental Human Rights, Transparency in using the AI tools
	9. EU to ensure that the **use of AI tools by police officers** must be subject to **multi-level control**	⚙	⚙	Member States, Ministries, Police Agencies	Transparency in using AI tools, Accountability, Ethical use
Organisational Level, Ethical Level **"POST USE"**	10. EU to establish a procedure for the **evaluation of AI tools used by LEAs**, from the ethical point of view		⚙	European Parliament	Ensure Fairness, Transparency, Accountability, Ethical use
	11. EU Member States to support the **continuous monitoring of AI systems** in use, taking into account the perspective of civil society organisations.	⚙	⚙	EU Member States	Enhance transparency, Preserve Privacy and Human Rights, Ethical use
	12. Establish a **European AI Systems Registry** that will hold basic information about each AI System used by each LEA/per country and its records will be accessible to all EU citizens.	⚙	⚙	European Commission, EU Member States	Enhance Transparency, Ensure Fairness, Ethical use, Trustworthy AI

Part 3/4

popAI

Policy Recommendations		Type of Policy Recommendation[3]		Target Audience	High-level Theme/ Aim of the Recommendation
		Reactive	Proactive		
Research	13. EU-funding investment for research and development in order to explore the use of AI systems in LEAs	⚙	⚙	European Commission	Research and Development
Ethical Level, Societal Level, Inclusion Level	14. Institutionalisation of **multidisciplinary collaboration**	⚙	⚙	EU and MS legislative bodies, EU and MS Ministries	Human Oversight, Diversity, Non-discrimination and fairness, Societal Well-being
Inclusion Level, Gender Diversity Level	15. Establish **Inclusive AI Development Standards**	⚙	⚙	European Commission	Non-discrimination & fairness, Societal Well-being, Respect for Fundamental Human Rights, Ethics, Democracy & Rule of Law
	16 Inclusion of the Civil Society	⚙	⚙	EU & Member States' legislative bodies Parliaments, Municipalities, Citizens	Societal well-being, diversity, non-discrimination, and fairness
Ethical Level, Societal Level, Legal Level	17. EU to **empower people to lodge a complaint and seek redress,** when their rights have been violated by the use of an AI system for law enforcement		⚙	EC DG Home	Ensure non-discrimination principle is respected by LEAs

Part 4/4
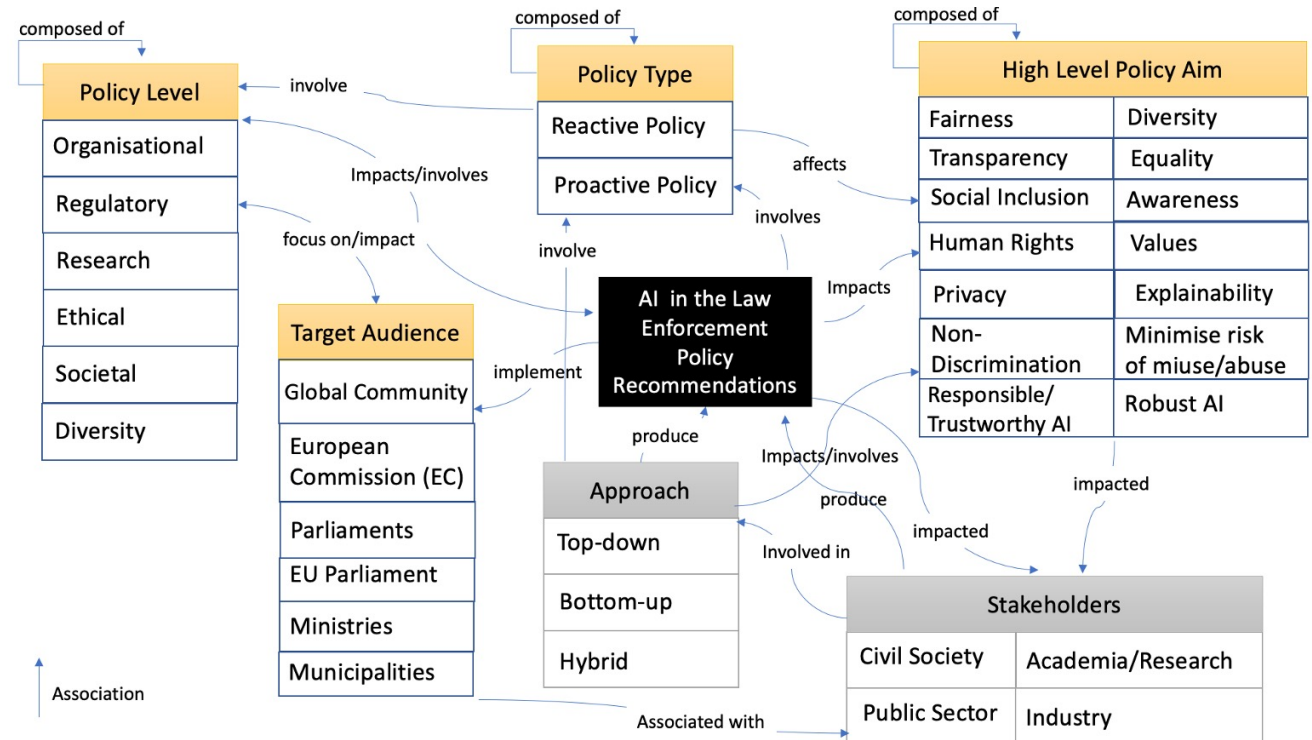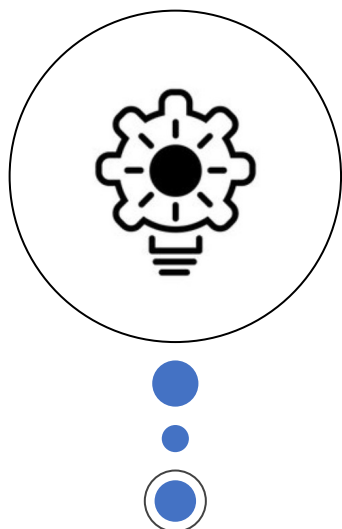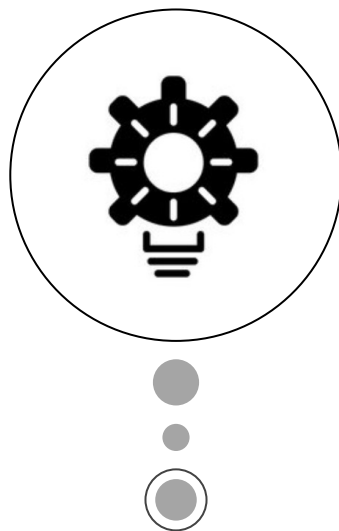
Reactive

Pro-Active

**Both
Reactive & Proactive**

65,4%

80,7%

61,5%
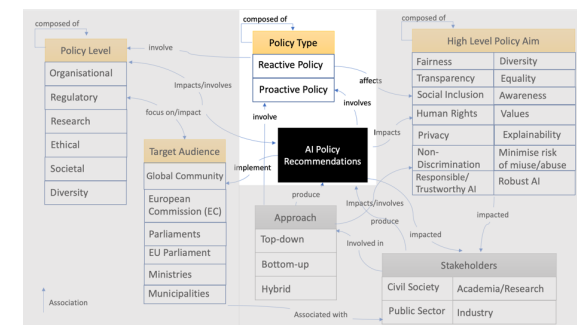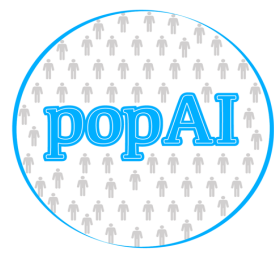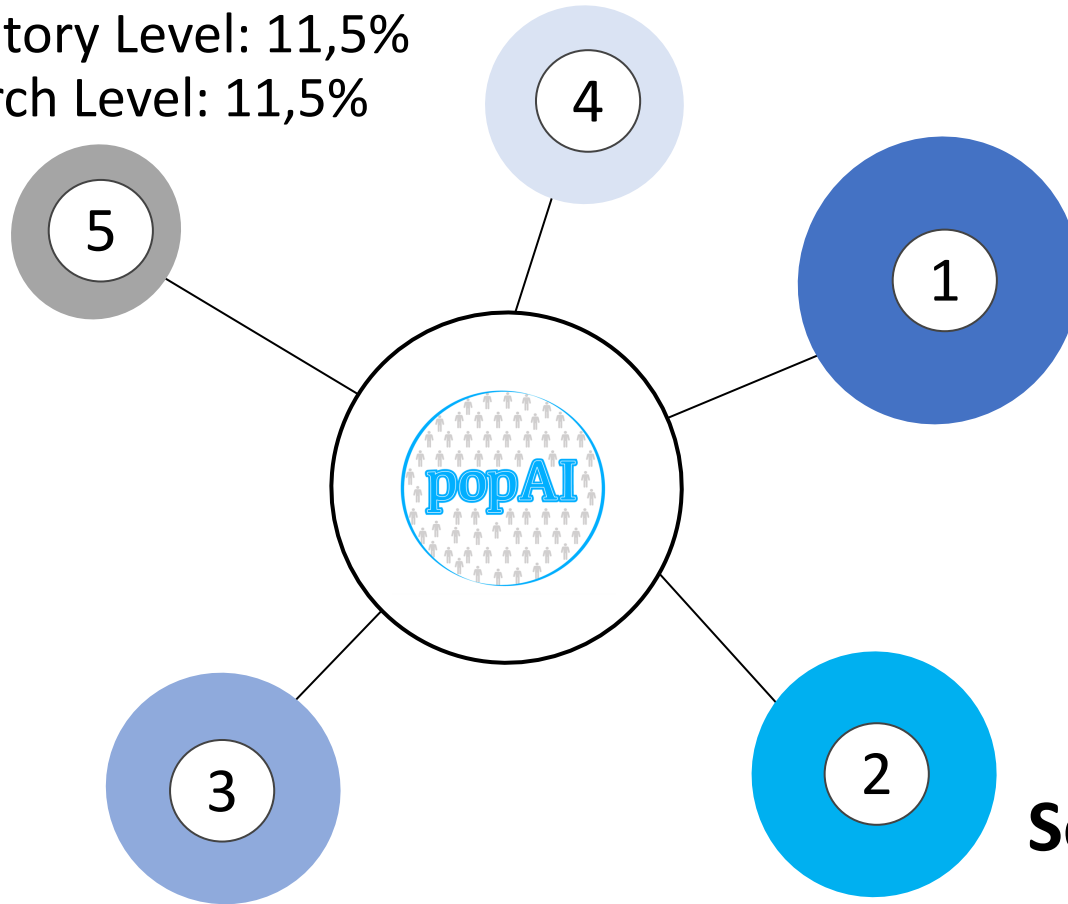
Linkage with the AI policy ontology

Inclusion/Diversity Level: 15,4%

Regulatory Level: 11,5%
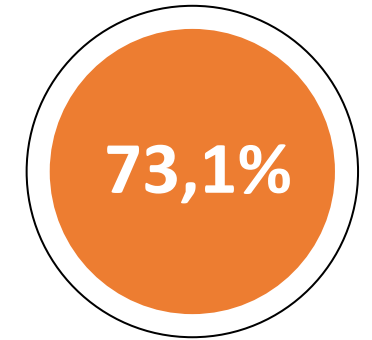Research Level: 11,5%

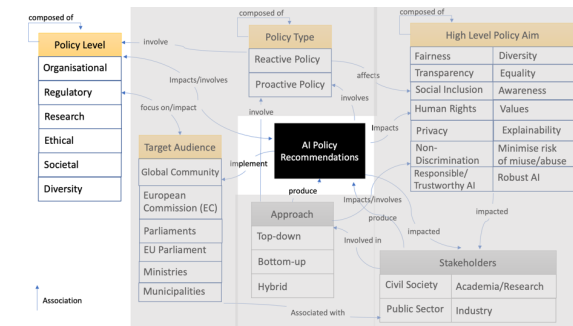Ethical Level: 57,7%

Societal Level: 53,8%

Organisational Level: 50%

Policy Level

73,1%

Multi-level policy recommendations

Linkage with the AI policy ontology

Target Audience
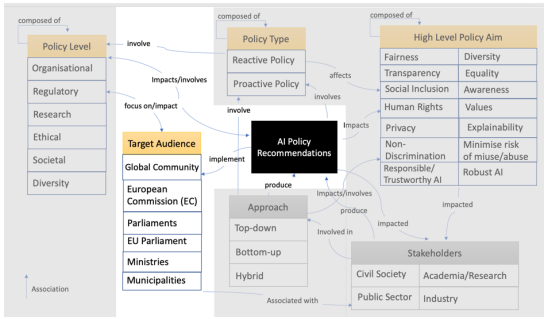
Target Audience	
Global Community	
European Commission (EC)	46,5%
EU Parliament	46,5%
State Parliaments	50%
Ministries	26,9%
Municipalities	3,8%
Civil Society Org.	7,6%
Universities,etc	7,6%

Linkage with the AI policy ontology

High Level Policy Aim

Linkage with the AI policy ontology

In conclusion…….

Level	Policy Recommendations	Type of Policy Recommendation		Target Audience	High-level Theme/ Aim of the Recommendation
		Reactive	Proactive		
Ethical Level, Organisational Level	1. EU to support the development of **frameworks for the evaluation of AI tools** ensuring their ethical, fair, and transparent adoption by public sector		✓	EC DG Home, EU Parliament	Ensure fairness, transparency
Societal Level	2. EU Member States to develop **meaningful dialogue with civil society organisations** to strengthen citizens' confidence in the use of AI tools in support of the law enforcement authorities		✓	Member States Parliaments, Ministries, Civil Society	Enhancing transparency, social inclusion, awareness creation
Regulatory Level	3. EU to adopt **a European regulation** to enhance transparency in the planning, implementation, and use of AI systems with the participation of civil society organisations	✓	✓		
Organisational Level, Societal Level	4. EU Member States to implement procedures for **continuous monitoring of AI systems,** with the active participation of civil society organisations, for appropriate employment and use	✓	✓		
	5. EU to support the development and employment of **clear guidelines and procedures for the use of AI systems** by LEAs	✓			
Ethical Level, Societal Level	6. EC and EU Member States to ensure that AI systems are **inclusive, fair, equitable and non-discriminatory.**		✓		
Gender Diversity Level	7. EU to support and invest in the **development of guidelines for gender sensitive policing** in the AI era.		✓		
Research Level (EU-funded research)	8. EU to establish **ethics committees** that review proposals in the security domain based on potential ethical and societal issues.		✓		
	9. EU to promote **inclusive participation** (stakeholders and countries) regarding EU projects in the security domain	✓	✓		

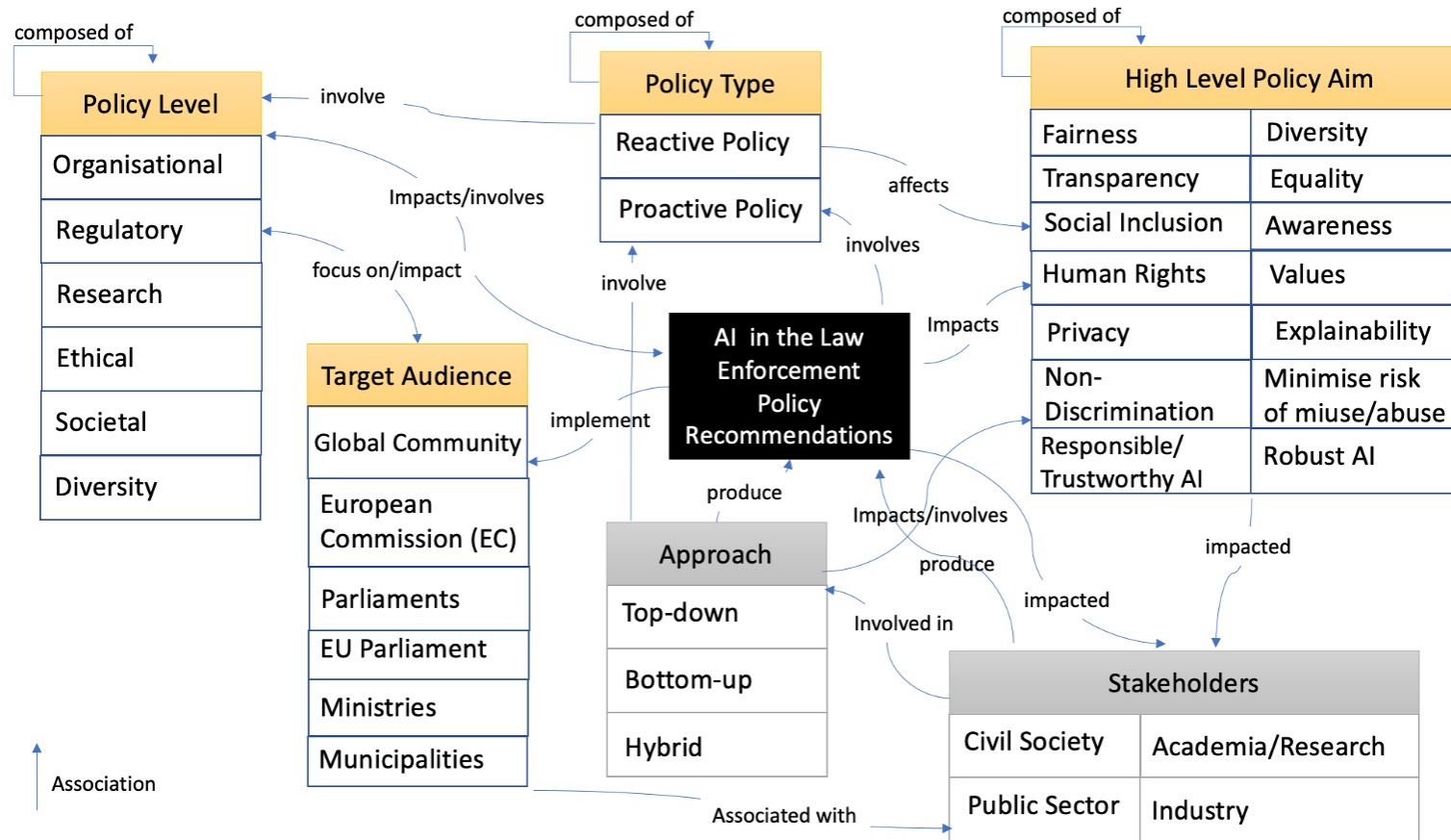| Policy Recommendations	Type of Policy Recommendation²		Target Audience	High-level Theme/ Aim of the Recommendation
	Reactive	Proactive		
Ethical Level, Societal Level, Organisational Level, Regulatory Level — 1, EU to provide a **legal framework for continuous AI training and educational programmes** under the AI Literacy notion for LEAs and civil society	✓	✓	EC DG Home, EC, EU Member States, (as well as providers and users of AI systems), Ministries, Municipalities &	AI literacy, Societal Well-being, Preserve privacy human rights and non-discrimination principle
Regulatory Level — 2. EU to establish **a common, harmonized, European AI regulation for LEAs,** that will govern the entire process from the design to the implementation and final use of AL systems by law enforcement authorities.	✓	✓	European Commission, European Parliament	Enhance transparency and fairness
Organisational Level, Ethical Level, Societal Level, (PRIOR TO USE) — 3 Develop clear **guidelines and standards for the collection, storage, restriction and use of biometric data by LEAs**		✓	EC DG Home, DG Just	Avoid risk of discriminatory use of data
4. Carrying out **impact assessments** even in cases when this is not obligatory by law	✓	✓	EU and MS legislative bodies	Respect for Fundamental Human Rights, Ethics, Democracy and Rule of Law
5 Establishment and standardisation of a **holistic Impact Assessment procedure**	✓	✓	EU and MS legislative bodies	Respect for Fundamental Human Rights, Ethics, Democracy and Rule of Law
6. Establishment of **lawfulness, transparency and accountability protocols for LEAs**	✓	✓	EU legislative bodies along with EU Member States	Lawfulness, transparency, accountability and auditability
Organisational Level, Ethical Level, Societal Level (USE) — 7.EU to support the development of **guidelines designed especially for the use of AI systems by LEAs.**	✓	✓	European Parliament	Minimise risks of abuse or misuse, enhance transparency
8.Formulating a **general ethical framework for the use of AI tools,** taking into account that the AI Regulation can only regulate the basic legal framework for the use of AI		✓	EU Parliament, Member States, universities, police academies, scientific projects consortiums,	Preserve the public order, Preserve privacy and human rights, Transparency in using the AI tools
9.EU to ensure that the **use of AI tools by police officers** must be subject to **multi-level control**	✓	✓	Member States, Ministries, Police Presidiums and/or other authorities responsible for using AI tools	Transparency in using AI tools
Organisational Level, Ethical Level (AFTER USE/USE) — 10. EU to establish a procedure for the **evaluation of AI tools used by LEAs,** from the ethical point of view		✓	European Parliament	Ensure fairness, transparency and ethical use
11. EU Member States to support the **continuous monitoring of AI systems** in use, taking into account the perspective of civil society organisations.	✓	✓	EU Member States	Enhance transparency, Preserve privacy and human rights
12. Establish a **European AI Systems Registry** that will hold basic information about each AI System used by each LEA/per country and its records will be accessible to all EU citizens.	✓	✓	European Commission, EU Member States	Enhance transparency, Ensure fairness,

Aiming to **foster trust** in AI for the security domain **popAI provides a holistic -** multi-perspective, multi-stakeholder- **AI policy recommendations** that aim to respond to our evolving technology-enabled environment, taking into consideration the **multiple voices of our society.**

An AI Policy Ontology for the for Civil Security domain

composed of

composed of

composed of

Policy Level
- Organisational
- Regulatory
- Research
- Ethical
- Societal
- Diversity

involve

Impacts/involves

focus on/impact

Policy Type
- Reactive Policy
- Proactive Policy

affects

involves

involve

High Level Policy Aim

Fairness	Diversity
Transparency	Equality
Social Inclusion	Awareness
Human Rights	Values
Privacy	Explainability
Non-Discrimination	Minimise risk of miuse/abuse
Responsible/ Trustworthy AI	Robust AI

Target Audience
- Global Community
- European Commission (EC)
- Parliaments
- EU Parliament
- Ministries
- Municipalities

implement

AI in the Law Enforcement Policy Recommendations

Impacts

produce

Impacts/involves

produce

impacted

impacted

Approach
- Top-down
- Bottom-up
- Hybrid

Involved in

Stakeholders

Civil Society	Academia/Research
Public Sector	Industry

Association

Associated with

By introducing **a new methodological approach and conceptual framework – AI Policy Ontology -** for the design and implementation of AI policy in the law enforcement domain.

popAI

Thank you !

13:30-14:15	**popAI Policy Recommendations** **Pandect of Recommendations & multi-disciplinary best practices**	Xenia Ziouvelou (NCSR Demokritos) Dimitra Papadaki (KEMEA)
14:15-15:15	**Multi-disciplinary panel on best practices and policy recommendations**	Panel Moderator: Xenia Ziouvelou Co-moderator: Dimitra Papadaki Panelists: Lilian Mitrou (University of Aegean, popAI external ethics advisor) Lefteris Chelioudakis (Homo Digitalis, Civil Society external advisor) Donatella Casaburo (KU Leuven, ALIGNER external advisor) Ezgi Eren (KU Leuven, STARLIGHT external advisor)
15:15-15:45	**Coffee break**	**Posters/Banners** **Ethics Toolbox Demo**