RDA WG – Artificial Intelligence and Data Visitation (EOSC – Future)

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Chairpersons

- Claudia Bauzer Medeiros, Brazil

- Perihan Elif Ekmekci, Turkey

- Francis P. Crawley, Belgium

- Tshiamo Motshegwat, Botswana

- **Project Research Coordination Fellow**: Manolya Bergüzer Şekerlisoy, Turkey

- Established Sept-Oct 2022

Main question (AI-DV + Open Science)

- 'What ethical, legal, social, and technical frameworks for Artificial Intelligence (AI) and Data Visitation (DV) are required to support the **open sharing and re-use of data** in the framework of Open Science?'

Specific Objectives

1. Developing an understanding of the ethical and legal challenges AI and DV in Open Science across user groups.

2. Contributing to clarity in, and the development of, the ethics and legal frameworks to facilitate user engagement in Open Science.

3. Providing a European and global platform for engaging ethics, law, and social considerations in AI, data sharing, DV, and Open Science policy development.
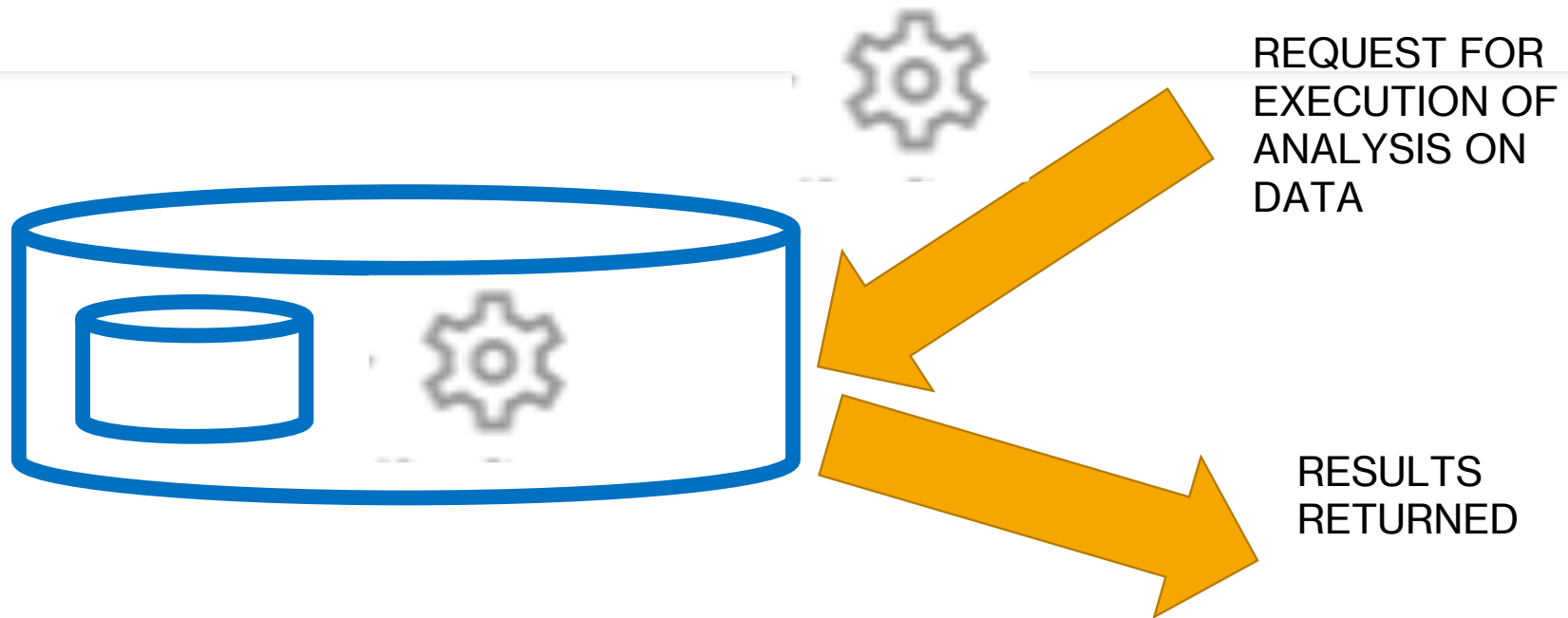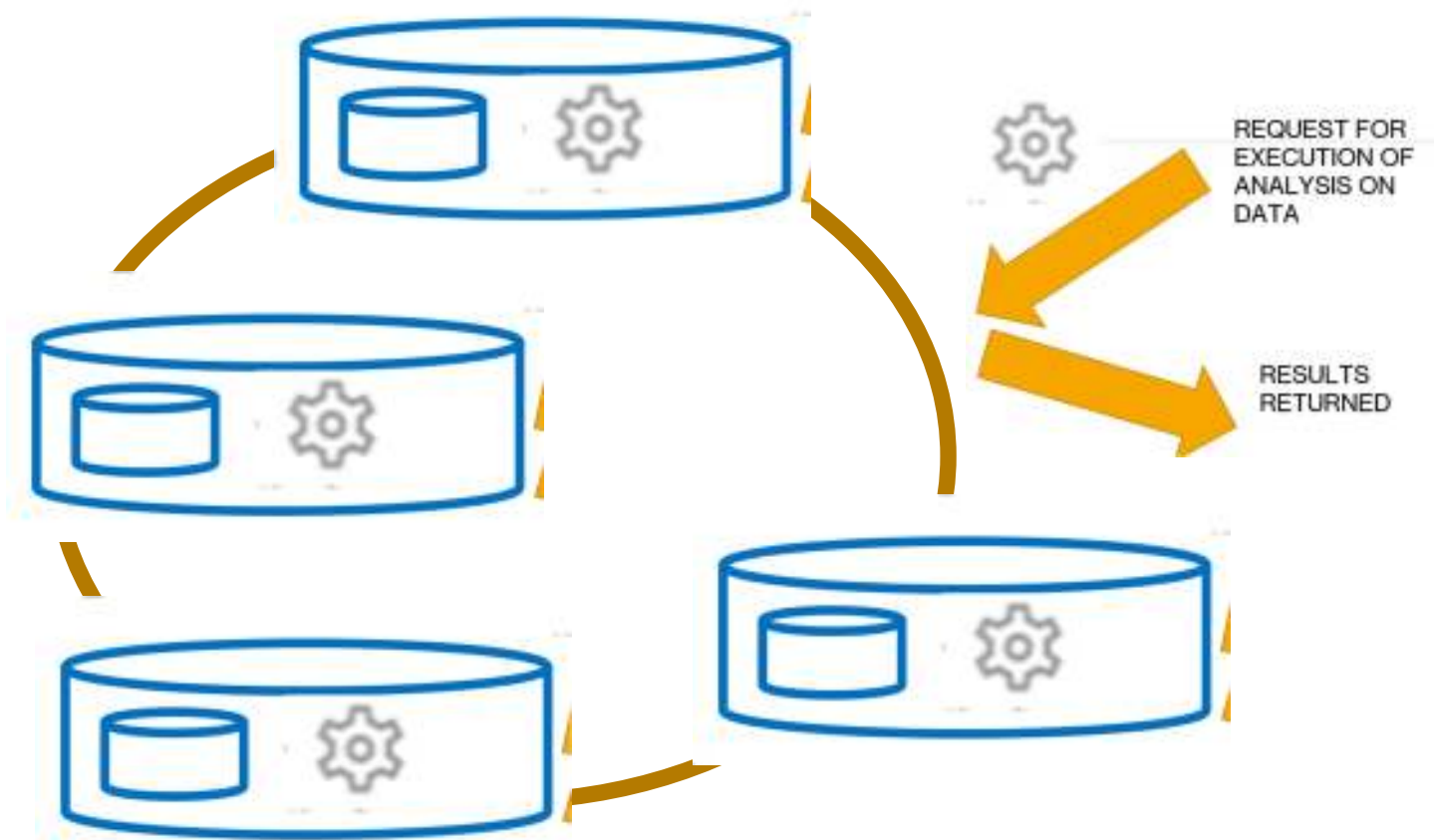
AIDV
Which portion of AI?
What is DV?

Data visitation

REQUEST FOR EXECUTION OF ANALYSIS ON DATA

RESULTS RETURNED

REQUEST FOR EXECUTION OF ANALYSIS ON DATA

RESULTS RETURNED

PEOPLE

What is data visitation

- Datasets are subject to analysis within a host location;

- Data never leaves the host location;

- Analytical framework for data analysis can be submitted by a third party outside the host location;

- Results can be returned to that third party

--- Directly associated with notion of access

Why visitation

- Data cannot leave host => local legislation on privacy, access etc, can be enforced

- AI algorithms can break privacy => local visitation can better protect from AI privacy-violation

- Cost – bring analysis to data (as opposed to transfer data for analysis)

Challenges Addressed (traduction???)

- Access -> accès
- Confidentiality and privacy   → confidencialité et privacité????
- Consent -> consentement
- Accountability   -> responsabilité
- Ethics and governance -> ethique et gouvernance
- Transparency -> transparence
- Accuracy -> precision??? Exactitude???
- Integrity -> integrité
- Explainability -> explicabilité??

Membership

- Approximately 40

- Multi-disciplinary – Bio, SSH

- All continents represented

- More representation needed from other sciences & industry

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Education and Fellows

- Need for training and capacity-building in how the guidances can be used and implemented.

- Currently 8 fellows enrolled in its mentoring programme.

- Also considering the development of a training programme.

Deliverables

- Survey on current ethical, legal, policy, and societal frameworks for AI and DV

- Guidance on legal considerations for AI and DV

- Guidance for informed consent for AI and DV

- Guidance for ethics committees

- An AI Bill of Rights

Team Leads & Fellows

Deliverable	Team Leads	Fellows
Deliverable 1 **A survey on current ethical, legal, policy, and societal frameworks for AI and DV**	Lauren Maxwell, Germany (invited) Brian Pickering United Kingdom, (invited) Erfan Shamsoddin, Iran (invited)	Potential assistant(s) from Gustav Nilsonne, Sweden (no one yet invited)
Deliverable 2 **Guidance on legal considerations for AI and DV**	Alexander Bernier (Canada)	KANG Hui (Hubert), China (invited) Ugochi Okengwu, Nigeria
Deliverable 3 **Guidance for Informed Consent in AI and DV**	Anne Cambon-Thomsen (France) Gauthier Chassang (France) Kristy Hackett (Canada)	Luis Retanan, The Philippines Noémie Dubruel, France
Deliverable 4 **Guidance for ethics committees reviewing AI and DV**	Kumru Döne, Turkey Haihong Zhang, China Valery Sokolchik, Belarus Rita Sitorus, Indonesia Challace Pahlevan-Ibrekic, USA (invited)	Ülkücan Kaplan, Turkey Pukovisa Prawiroharjo, Indonesia
Deliverable 5 **An AI Bill of Rights**	Natalie Meyers, USA Ronit Purian-Lukatch, Israel	Eyiuche Doris Ezigbo, Nigeria

Present stage

- Meetings
  - Monthly – WG
  - Monthly – coordination
  - Parallel – of the subgroups
- Eight fellows (based on submission and evaluation)
- Definitions
- Drafts
- Participation in several events (EOSC, Leiden, here) to attract

Obrigada – questions?
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EOSC future

- The EU-funded EOSC Future project will **integrate, consolidate and connect e-infrastructures, research communities and initiatives in Open Science to advance the EOSC platform of services**