Ethics Workshop

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Common European
Data Spaces and
Robust AI for Transparent
Public Governance

CEDAR

1. Introduction
2. Research Ethics
3. AI Ethics
4. Assessments
Q&A

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Research Ethics

FAIR Principles in practice

FAIR Principles

Findable

- Create pattern for metadata
- Challenge: combination of different data spaces/data sets

Accesible

- Non-discrimination
- Challenge: restricted content → need for justification + authentication

Interoperable

- Use of FAIR vocabulary and reference to other metadata
- Challenges: TBD

Reusable

- Open-by-design + open license
- Challenge: hosting platform and sensitive information

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CEDAR project has received funding by the European Union's Horizon Europe, under grant agreement no 101135577

AI Ethics

Use of AI in research activities
Human Oversight
Explicability
Use of data

Use of AI in research activities

RISKS/IMPACTS

- ENVIROMENT
- PRIVACY
- DATA PROTECTION
- TESTING IN THE REAL WORLD
- DISCRIMINATION/BIASES
- LEVEL OF RISK – AI ACT

POSSIBILITIES

- EXPLORABLE RESULTS (TOOLS, DATASETS, ALGORITHMS)
- CREATIVE MITIGATION MEASURES
- LESS STRICT REGULATORY RULES FOR RESEARCH – ROOM FOR TESTING
- PRENTION OF HARM BY DESIGN (TECHNICAL ROBUSTNESS AND SAFETY)

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HUMAN AGENCY AND OVERSIGHT

- Respect for human autonomy
- Human participation in the Machine Learning training
- Revision of automated decisions
    - Open data x restricted
    - Results of pilots
    - Redress mechanisms

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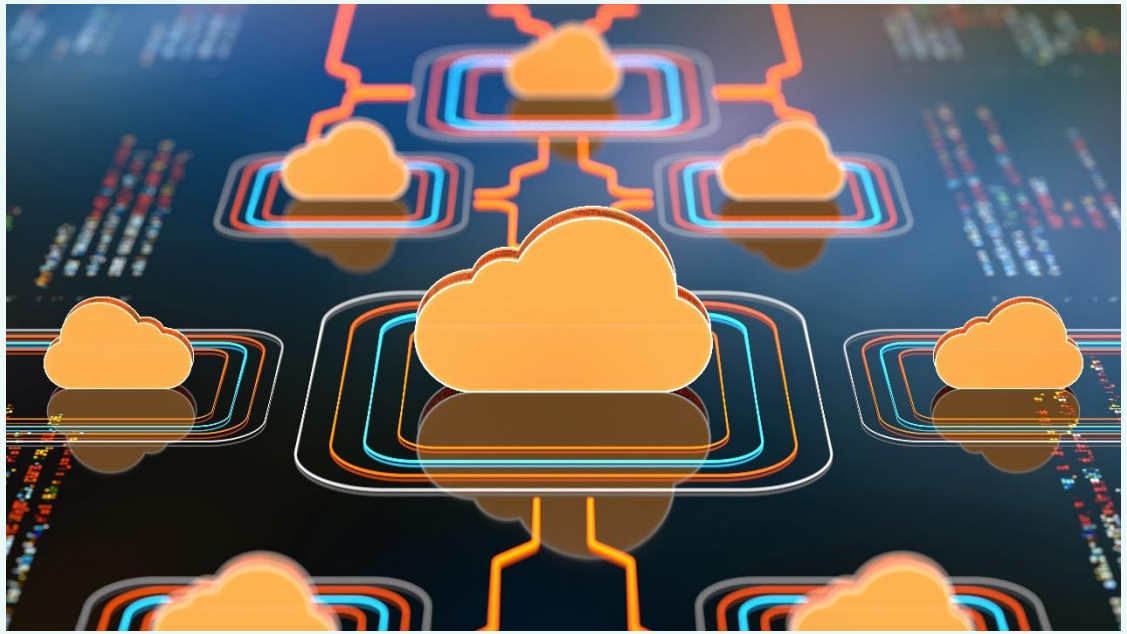
EXPLICABILITY AND FAIRNESS



Procedures for data used for algorithms

- Data cleaning
- Synthetic data generator
- AI generated recommendations for data integration and harmonization

Transparency

Accountability

Diversity and non-discrimination

Privacy and data governance

Accountability

PILOTS

POINTS OF ATTENTION

- (Personal) data use
  - Inferred data
  - Sensitive data
- Secondary use of the technologies/ algorithms/ results
- Regulatory framework

BALANCE

- Effects = positive x negative
- Proportionality
- Necessity
- Protection with little effect to the openness of the results
- Societal and environmental wellbeing

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Assessments

What to expect from ethical and legal activities

ASSESSMENTS

- Data Protection Impact Assessment
- Fundamental Rights Impact Assessment
- AI Act considerations
- Cybersecurity assessment

ONGOING

- Activities
- Workshops
- Questions
- Dialogues
- Engagement

QUESTIONS AND POINTS FOR FURTHER DEVELOPMENT

Thank you!

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