

AI made in Europe

Policy and legal challenges

Alexandre de Streel

University of Namur, NADI and CERRE

EUI Alumni Association

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OUTLINE

1. Analytical framework
2. Data fluidity
3. Algorithm transparency and fairness
4. Law and Innovation

1. Framework for analysis

- AI Magic box
 - Inputs: data collected and stored
 - Process: with powerful computing machines
 - On the basis of machine learning techniques
 - Outputs: detection, prediction
- Role of law: Protect our values
 - Trust and democracy
 - Understandability and fairness
 - Innovation
 - Contestability and contestation

2. AI Inputs: Data fluidity

- Data is the non-rival infrastructure for innovation
 - Common European Data Space to contribute to contestability
- Appropriability tools should be minimised
 - Law – Contracts - Technology
- Access/sharing should be maximised
 - Extend of sharing
 - Private and public data
 - Sector differences
 - Governance of sharing
 - Direct between firms
 - Mediated through consumers

3. AI Process: Transparency and explainability

- Transparency – understandability – explainability
 - Human and machine brains
- Why and what is explainability in laws?
 - Private decisions: Consumer protection and data protection rules
 - Ensure consumers fluidity
 - Public decisions: Constitutional and administrative principles
 - Ensure effectivity of judicial control
- Enforcement
 - XAI
 - Give information in smart and personalised manner
 - Flanking measures

AI Process: Fairness and loyalty

- Why and what is fairness in laws?
 - Consumer protection, competition, data protection, anti-discrimination, ...
 - Not necessarily equates with non-discrimination or neutrality
 - Again more important for public than private decisions
- Enforcement
 - Market (when information asymmetry is not too high)
 - State: ex post and ex ante

4. Regulation in innovative and uncertain environment

- Rules
 - Hard-law: principles-based
 - Complemented by participatory soft-law and soft-enforcement
- Enforcement
 - Public: Authorities
 - Experimentation and agility – Probabilities but also costs of regulatory errors
 - Use AI: RegTech and e-gov
 - Private: Consumers
 - Technological: Compliance by design