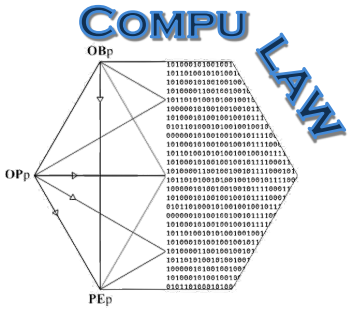


COMPULAW

Computable Law

http://site.unibo.it/compulaw

Overview of Subproject 1

Francesca Lagioia
EUI–UNIBO

January 27th, 2020
Bologna

European Research Council
Established by the European Commission

Grant Agreement n. 833647

This project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme

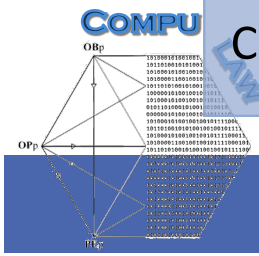
Subproject 1: Regulatory issues and frameworks in computable law

The Governance of computations

Objectives

Identify ways in which (autonomous) computations are introduced, governed and embedded in social contexts	Assess how and to what extent computations affect legally relevant interests (individual rights and social values) in different socio-technical contexts	Specify opportunities, risks, and assess social, economic and ethical implications.

Critically evaluate existing laws and available regulatory models and suggest solutions



Subproject 1: Regulatory issues and frameworks in computable law

A three-layered analysis

2 case studies

- **E-commerce**
- **Autonomous transportation**

Socio- technological analysis of (intelligent) computations

- What **activities** are entrusted to computational entities (AV/digital agents) and what **role** they play in the socio-technical systems
- Connection between **delegation and responsibility** (causal, moral and legal)

Legal impacts of (intelligent) computations

- How socio-technical arrangements affect specific legal norms as well as fundamental/human rights and social values.

Legal evaluation and design of (intelligent) computations

- Assess existing regulatory models and proposing new norm, methods and institutions (liability models, empowerment models, principle operationalisation)

Subproject 1: Regulatory issues and frameworks in computable law

Multidisciplinary approach

Legal theory:

- Normativity (theories of norms, values, institutions)
- Agency (theories of mind, intentionality, action)
- Interactions (causality, correlations, influence, decisions)

General principles (fairness, transparency, etc.) **and human rights**

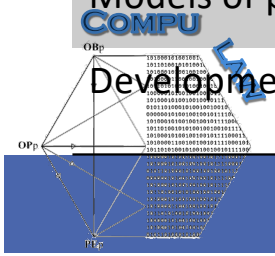
Specific domains of law at issue in different context (e.g. traffic law, consumer protection, financial market, etc)

Aspects of ICT Law (e.g. data protection, e-commerce, etc.)

General legal doctrines (e.g., criminal and civil liability, contracts, etc)

Subproject 1: Regulatory issues and frameworks in computable law

Research Activities	2020	2021	2022	2023
Legal and ethical issues of computational law				
Legal issues and regulatory framework of e-commerce				
Legal issues and regulatory framework of autonomous vehicles				
Observatory Set-up				
Transparency legal/ethical requirments of explanation				
Case studies design: AVs and e-commerce				
Integration of legal norms and ethical principles: fairness				
Definition of a legal theory for computational law				
Models of propotionate normative decision making				
Development of a liability model				



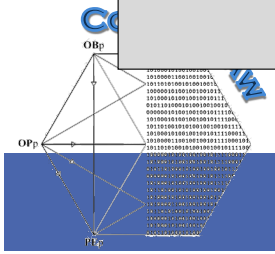
Subproject 1: Regulatory issues and frameworks in computable law

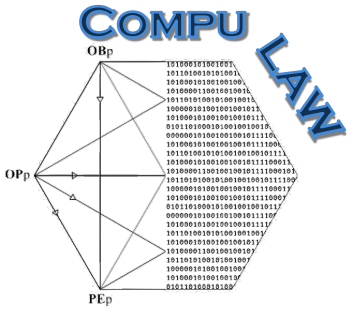
Research Activities	Tasks' allocation
Legal and ethical issues of computational law	**R: Francesca** + Giovanni
Legal issues and regulatory framework of e-commerce	**R: Mateusz** + Hans
Legal issues and regulatory framework of autonomous vehicles	**R: Giuseppe** + Francesca + Almureiden
Observatory Set-up	**R: Mateuz** + Agnieska + Federico + Hans
Transparency legal/ethical requirments of explanation	**R: Francesca** + Giovanni
Case studies design: AVs and e-commerce	**Avs R: Giovanni** + Giuseppe + Francesca +Almureiden **E-comm: R: Hans** + Agnieska + Przemek + Federico
Integration of legal norms and ethical principles: fairness	**R: Hans** + Agnieska + Przemek
Definition of a legal theory for computational law	**R: Giovanni** Francesca + Giuseppe + Hans
Models of propotionate normative decision making	**R: Giovanni** Francesca + Giuseppe + Hans
Development of a liability model	**R: Giovanni** Francesca + Giuseppe + Hans

Subproject 1: Regulatory issues and frameworks in computable law

Deliverables until December 2021:

- **Article:** Issues of computational Law (Dec. 2020)
- **Article:** Legal issues in the e-commerce landscape (July/Aug 2020)
- **Article:** Legal and ethical issues of Avs (June 2021)
- **Article:** Online Observatory (June 2021)
- **Article**: Legal and ethical requirments of explanation (June 2021)





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