Blockchain Technologies and the Law: an Interdisciplinary Study

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1. CONTEXT

Two different types of IT system are studied:

- Blockchain public system (Peers are not identified ex ante), e.g. Bitcoin, Ethereum.
- Blockchain private system (Peers are identified ex ante), e.g. Corda, Quorum, Multi-chain.

3. RESEARCH QUESTIONS AND OBJECTIVES

- Expose the legal framework which could be applied to both: container (the IT system) and content (the data).
- Analyze the way how the legal practitioner can deal with this technology and all its related issues.

How the substance of the relationships existing between consensus networks and law, and potential improvement that come along, can be assessed and appreciated?

4. RESEARCH METHODOLOGY

Phase 1
- State of the art, the semantic study and the study of use cases.

Phase 2
- Study of the actors and their interactions.

Phase 3
- Proposition of a technical scheme in perspective with legislation.

5. CASE STUDY

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6. FUTURE WORK

- A clear definition of the legal impacts of the use of the technology for online services.
- The legislation which may apply to the actors of these technologies.
- Potential improvement that come along.

REFERENCES
- Yves Eudes, “L’éther, la future monnaie qui vaut déjà des millions”, Le Monde, 7 octobre 2014
- Ordonnance n° 2016-520 du 28 avril 2016 relative aux bons de caisse