



**SEEBLOCKS.eu**

# How **GDPR** and **Blockchain** are at the intersection of data privacy and technology

**Dr. Lubna Luxmi Dhirani**

Assistant Professor

Department of Electronic & Computer Engineering

University of Limerick

[Lubna.Luxmi@ul.ie](mailto:Lubna.Luxmi@ul.ie)





SEEBLOCKS.eu

## Harmony between **GDPR** & **Blockchain**



Geared towards data transparency



GDPR: User identity versus anonymity



Inclined towards Individual Rights



Architectures supporting GDPR:  
Centralized versus decentralized

- GDPR and Blockchain decentralized models for personal data control and sharing (Examples)
- Art. 16/ and 9 Right to rectification
- Art. 17 – Right to be forgotten, data portability.



Security measures related privacy



GDPR Data Subject Rights  
versus Immutable blockchain

## Complexities between **GDPR** & **Blockchain**

1/4

### Complexities across

- Data Controllers
- GDPR threshold of anonymization
- Data minimization and purpose Limitation

2/4

Hard to reconcile with the GDPR's requirements that personal data must be amended (under Article 16 GDPR) and erased (under Article 17 GDPR) in specific circumstances.

3/4

Lack of legal certainty - as to how blockchains can be designed in a manner that is compliant with the regulation

4/4

Regulations territorial and material scope

Needs for Standards & Policies



**SEEBLOCKS.eu**



**Ask Lubna**

[Lubna.Luxmi@ul.ie](mailto:Lubna.Luxmi@ul.ie)

 Google Scholar



@LuxmiDhirani