

# You don't own your own data!

Responsible Information Sharing in the era of Big Data Analytics facilitating Digital Economy through the use of Blockchain technology and observing GDPR

## Data is important!

In the pervasive digital landscape, data stands as the **cornerstone** of our economy and technological advancements. EU's data economy is predicted to be worth **€829 billion** in 2025. Yet, the rapid proliferation of data-driven systems has accentuated concerns over **privacy, fairness, and regulatory compliance**. As our reliance on technology grows, so does the need for stronger data protection

## What is the problem?

The General Data Protection Regulation (GDPR), implemented in May 2018, emerges as a pivotal legislative response, aiming to safeguard individuals' fundamental freedoms and rights, especially their right to personal data protection. However, the concept of data ownership primarily lies with **Data Controllers**, and **not Data Subjects**, raising concerns about transparency and the true empowerment of individuals over their personal information.

## Why is it a problem?

Given that the primary goal of businesses is to maximise profits, this approach can be problematic since it could result in a situation in which individuals are not fully aware of how their personal data are being used, or they may be **unable to exercise their GDPR rights**, such as the **right to access** their personal data or the right to have them **deleted**. Moreover, the whole existing infrastructure setup can be characterised as **reactive** and taking corrective actions retrospectively, i.e., after the damage has occurred.

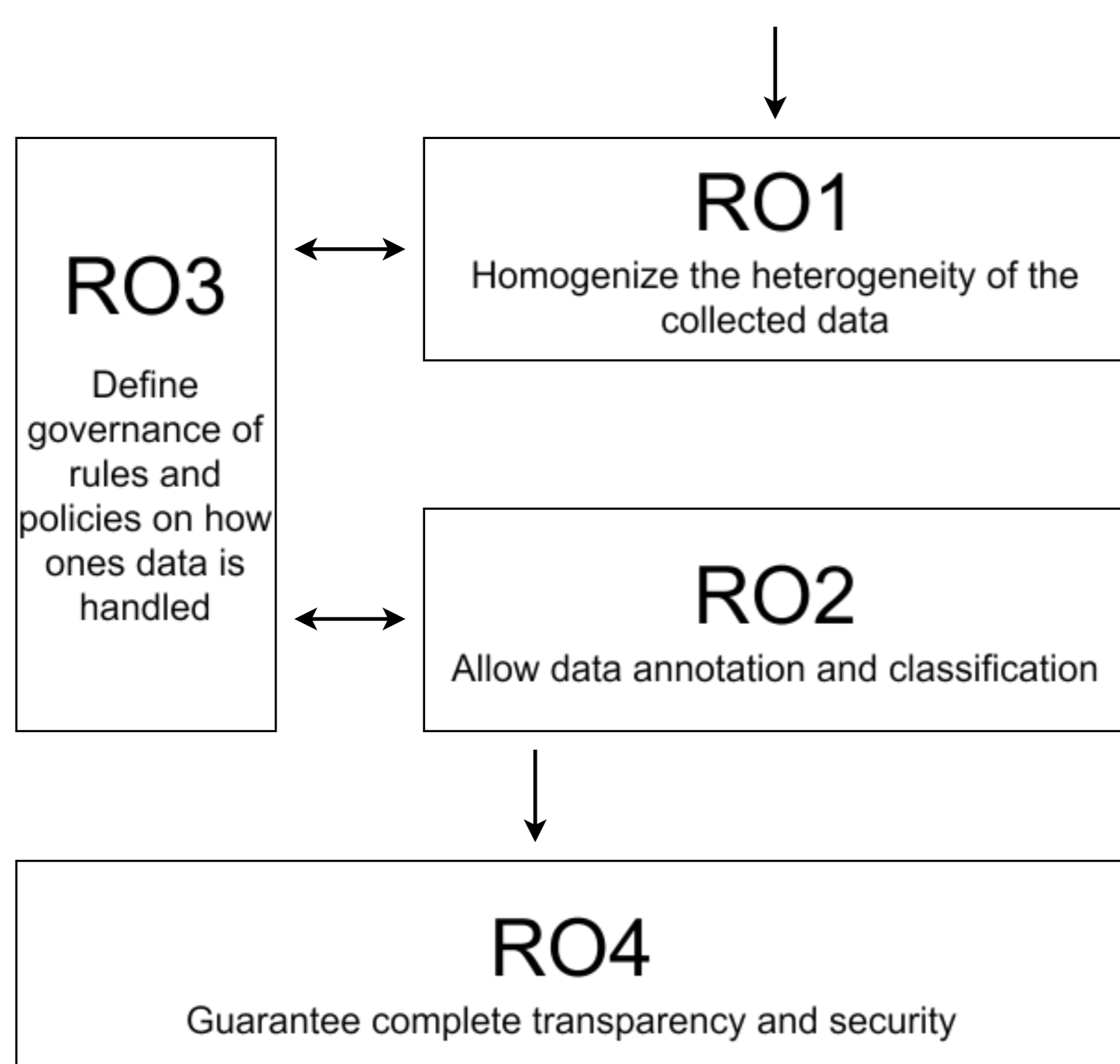
## What is the SotA

INTERNATIONAL DATA SPACES ASSOCIATION



## What we're proposing

- A transformative approach – the **Data Capsule**; which will serve as the bedrock of this pioneering framework. The Data Capsule aims to redefine the dynamics of data control, placing **individuals** as the **primary custodians** of their personal data.
- This empowerment involves granting data generators the authority to **dictate the terms and conditions** under which their data is **released and processed**.
- The operationalization of the Data Capsule hinges on endowing individuals with the ability to **classify, annotate, and apply policies** to their data.
- To fortify the principles of **transparency and security**, the Data Capsule integrates blockchain technology as an underlying layer.



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