Știința deschisă pentru perfecționarea practicilor de cercetare

Evenimentul Național de Diseminare
NI4OS-Europe în Moldova
22 aprilie 2021, online
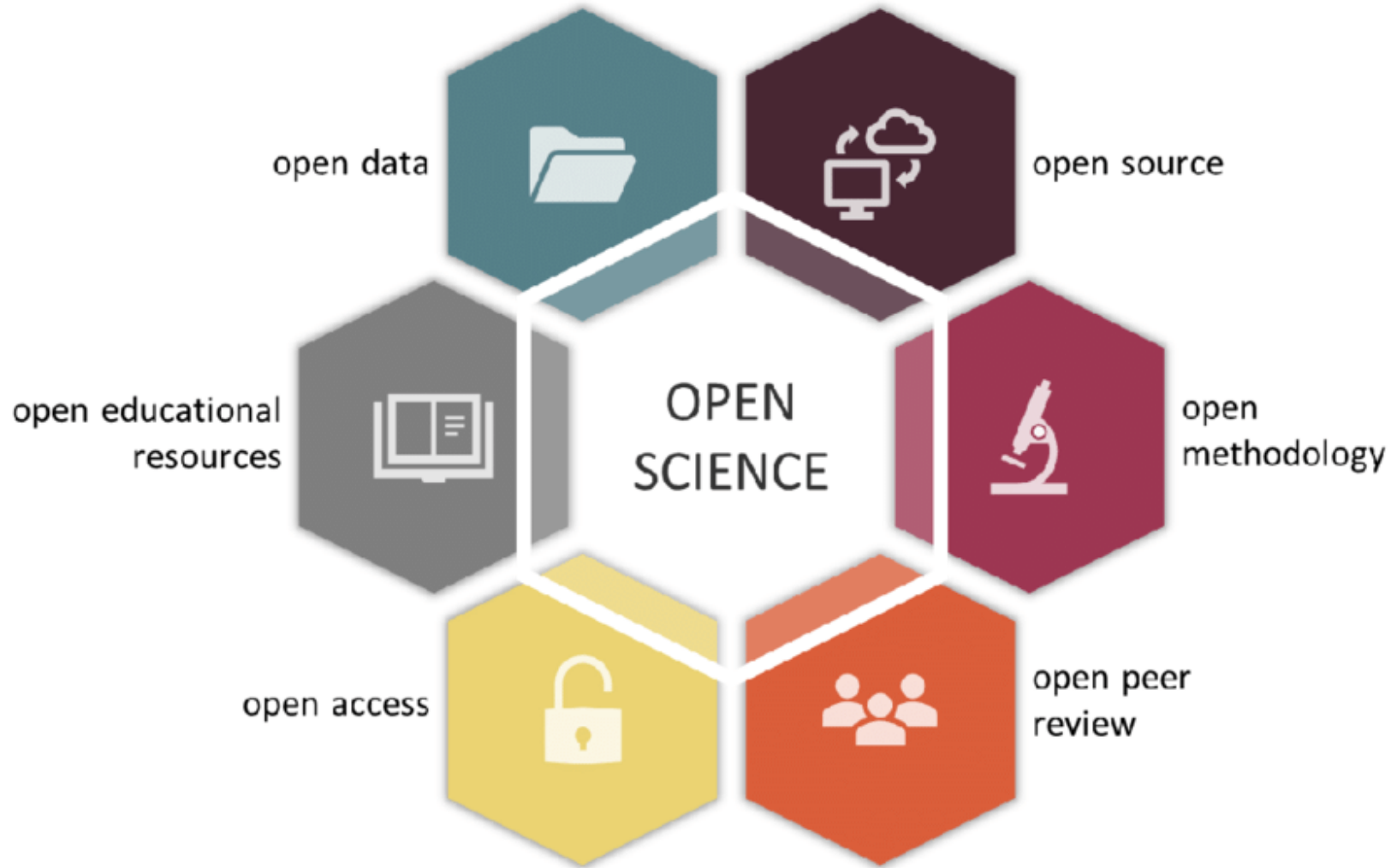
Acad., Prof. Ion Tighineanu,
Academia de Științe a Moldovei

Open **Innovation**
Open **Science**
Open to the **World**

– a vision for Europe

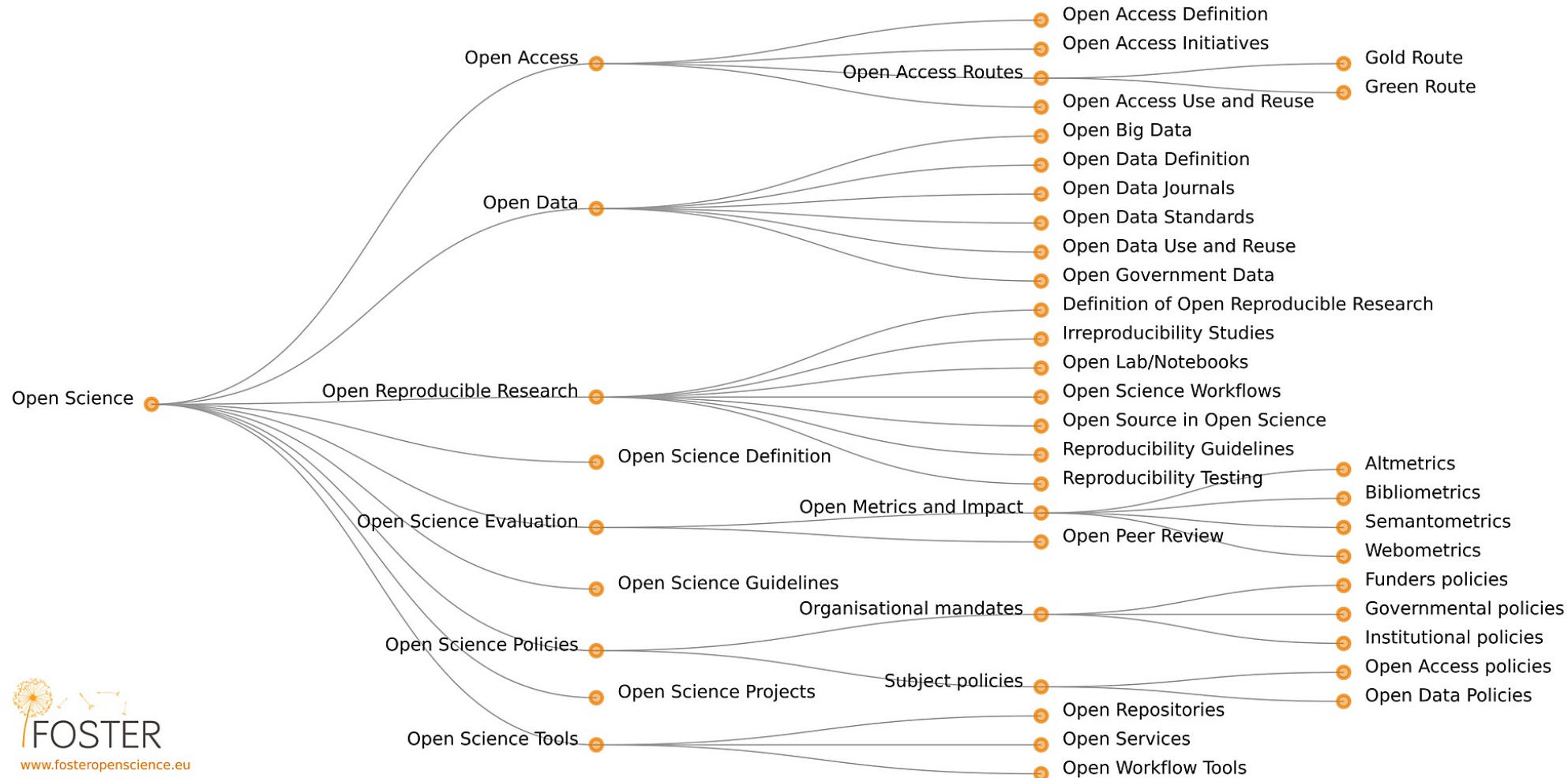https://ec.europa.eu/digital-single-market/en/news/open-innovation-open-science-open-world, **publicație din mai 2016**

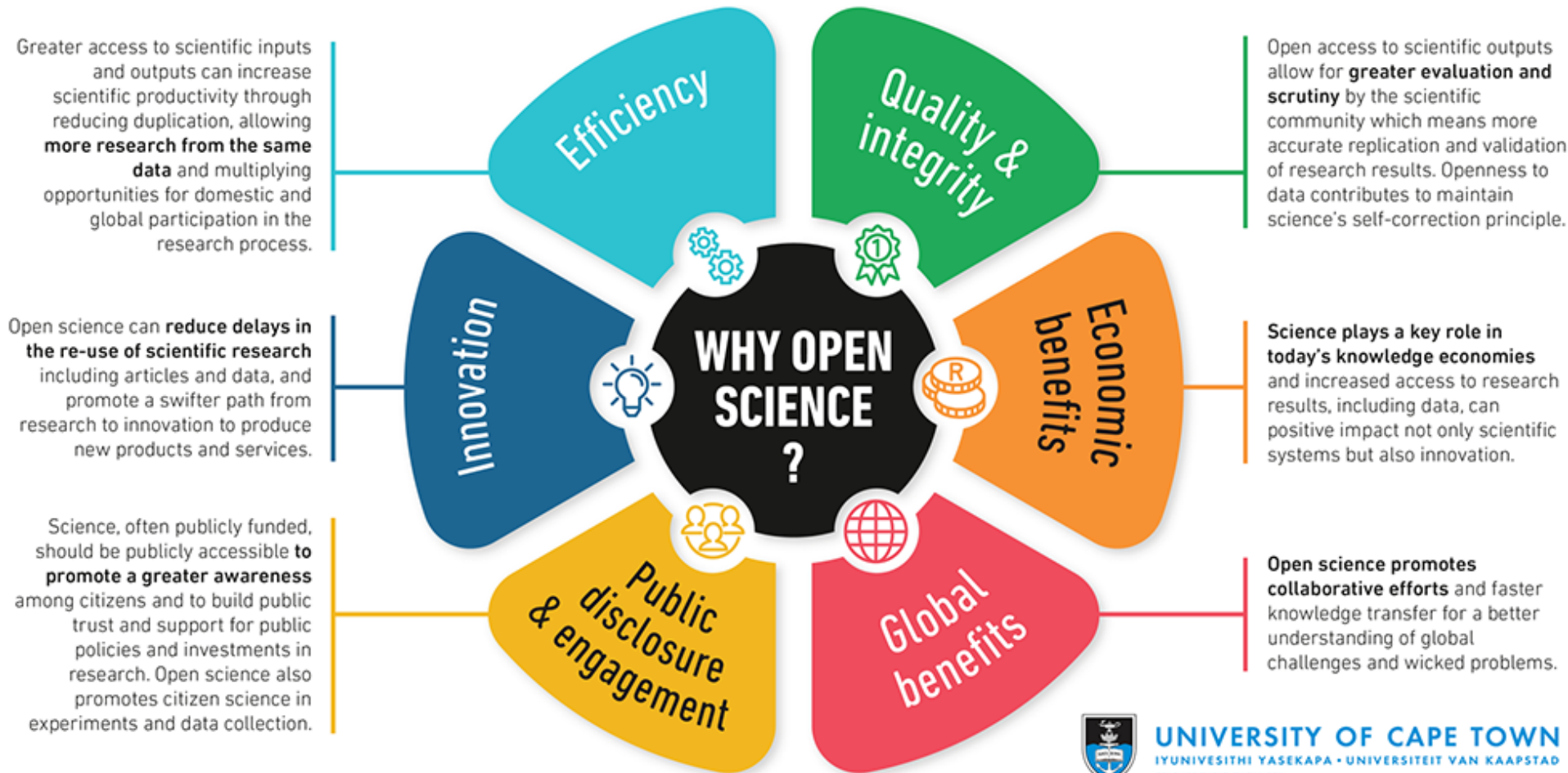**Imagine din** R.Gallagher, D.Falster et al. "The Open Traits Network: Using Open Science principles to accelerate trait-based science across the Tree of Life" DOI: 10.32942/osf.io/kac45

Open Science Taxonomy

Beneficiile Științei Deschise

Greater access to scientific inputs and outputs can increase scientific productivity through reducing duplication, allowing **more research from the same data** and multiplying opportunities for domestic and global participation in the research process.

Open science can **reduce delays in the re-use of scientific research** including articles and data, and promote a swifter path from research to innovation to produce new products and services.

Science, often publicly funded, should be publicly accessible **to promote a greater awareness** among citizens and to build public trust and support for public policies and investments in research. Open science also promotes citizen science in experiments and data collection.

Efficiency

Quality & integrity

Innovation

WHY OPEN SCIENCE ?

Economic benefits

Public disclosure & engagement

Global benefits

Open access to scientific outputs allow for **greater evaluation and scrutiny** by the scientific community which means more accurate replication and validation of research results. Openness to data contributes to maintain science's self-correction principle.

Science plays a key role in today's knowledge economies and increased access to research results, including data, can positive impact not only scientific systems but also innovation.

Open science promotes **collaborative efforts** and faster knowledge transfer for a better understanding of global challenges and wicked problems.

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GRAPHICS BY GAELEN PINNOCK

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Inițiativa EOSC

Previous model of European data infrastructures
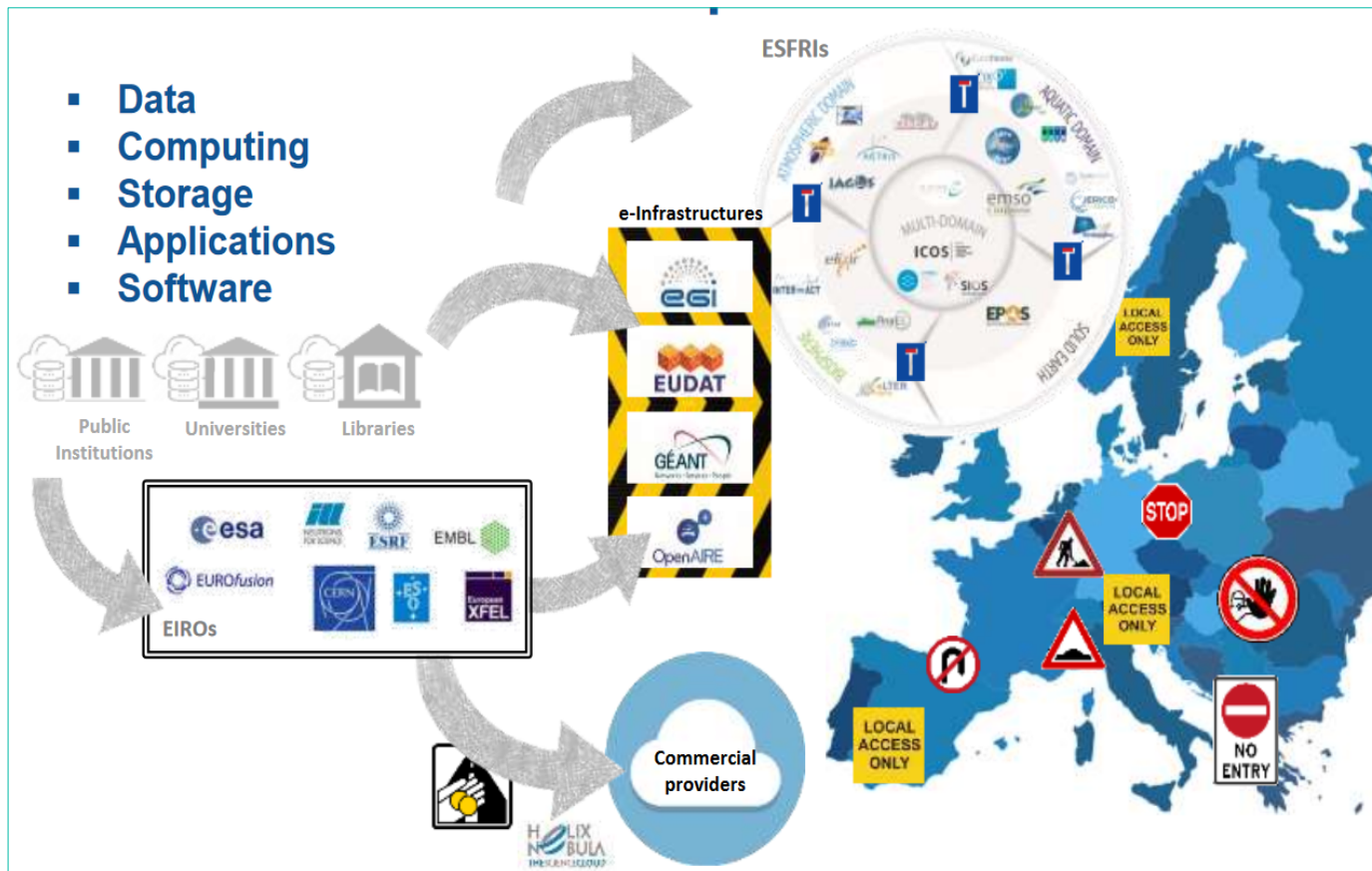
Source: EOSC Strategic Implementation Roadmap 2018-2020, May 2018, European Commission

From fragmentation and uneven access to information to a federated model, where access to data would be universal, building on a strong legacy

EOSC model: federation of data infrastructures