



OPEN and co-created ViRtual worldS for Europe

Alessandro Paciaroni, digital governance expert

The Lisbon Council

XR Projects Cluster Webinar

Online, 27 January 2025

OPENVERSE at a glance



Full name
**OPEN and co-created
ViRtual worldS**

Topic
**Supporting the emergence of an open
human-centric virtual worlds (CSA)**
HORIZON-CL4-2023-HUMAN-01-23

36
months

Funding scheme
Horizon Europe

Costs
EUR 3,206,000

12
partners
from **5** countries

The Partners



DIPARTIMENTO DI DESIGN



Challenges

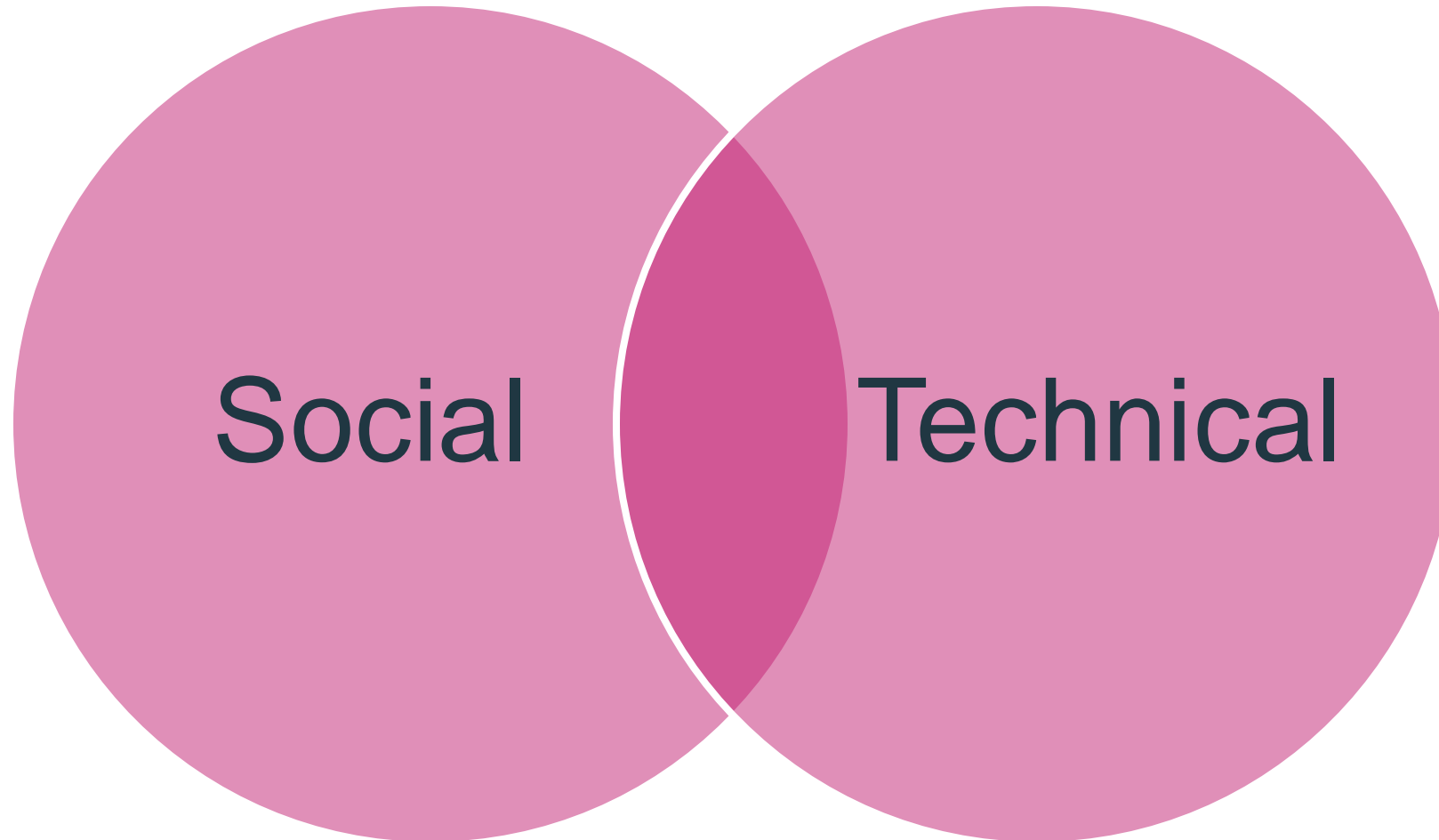


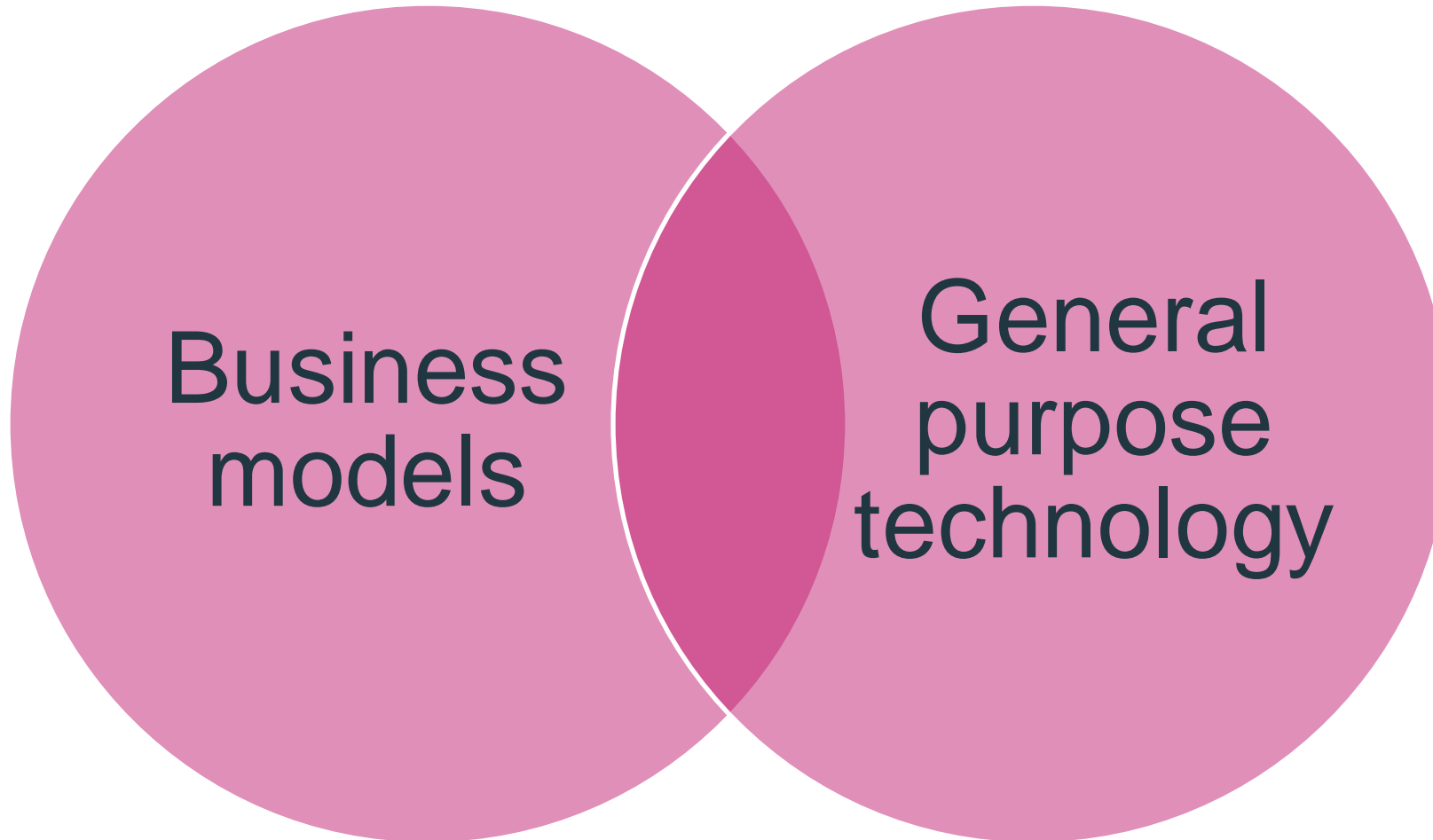
- Need to ensure that the future virtual worlds will consider the human-centric dimension at the same level of importance of technologies and infrastructure as foundational components of truly EU virtual worlds.
- Need to ensure higher accessibility, greater freedom and control, lower barriers to entry and more equitable distribution of resources.
- Need to ensure interoperability, privacy and security as well as data ownership.
- Need to ensure more innovation, creativity and social benefits in an open and collaborative humancentric virtual worlds where developers and users could work together.

Key exploitable results



- The OPENVERSE stakeholder community
- Handbook of co-creation methodologies
- Mixed reality repository of use cases
- The OPENVERSE roadmap to be available in the observatory as an interactive web tool
- The watch and taxonomy, the Marketplace
- Repository of policies and projects
- Results and methodology from the demonstration case on virtual worlds-Enabled Robotics
- Results and methodology from the on exploratory study existing virtual worlds environments
- Results and methodology from Technology Foresight, and research on IPR and Governance Models, Ethical and legal requirements elicitation
- Input to redefinition of industry standards.
- Plan for exploitation and sustainability of the results
- The OPENVERSE Observatory





Regulation as a safeguard



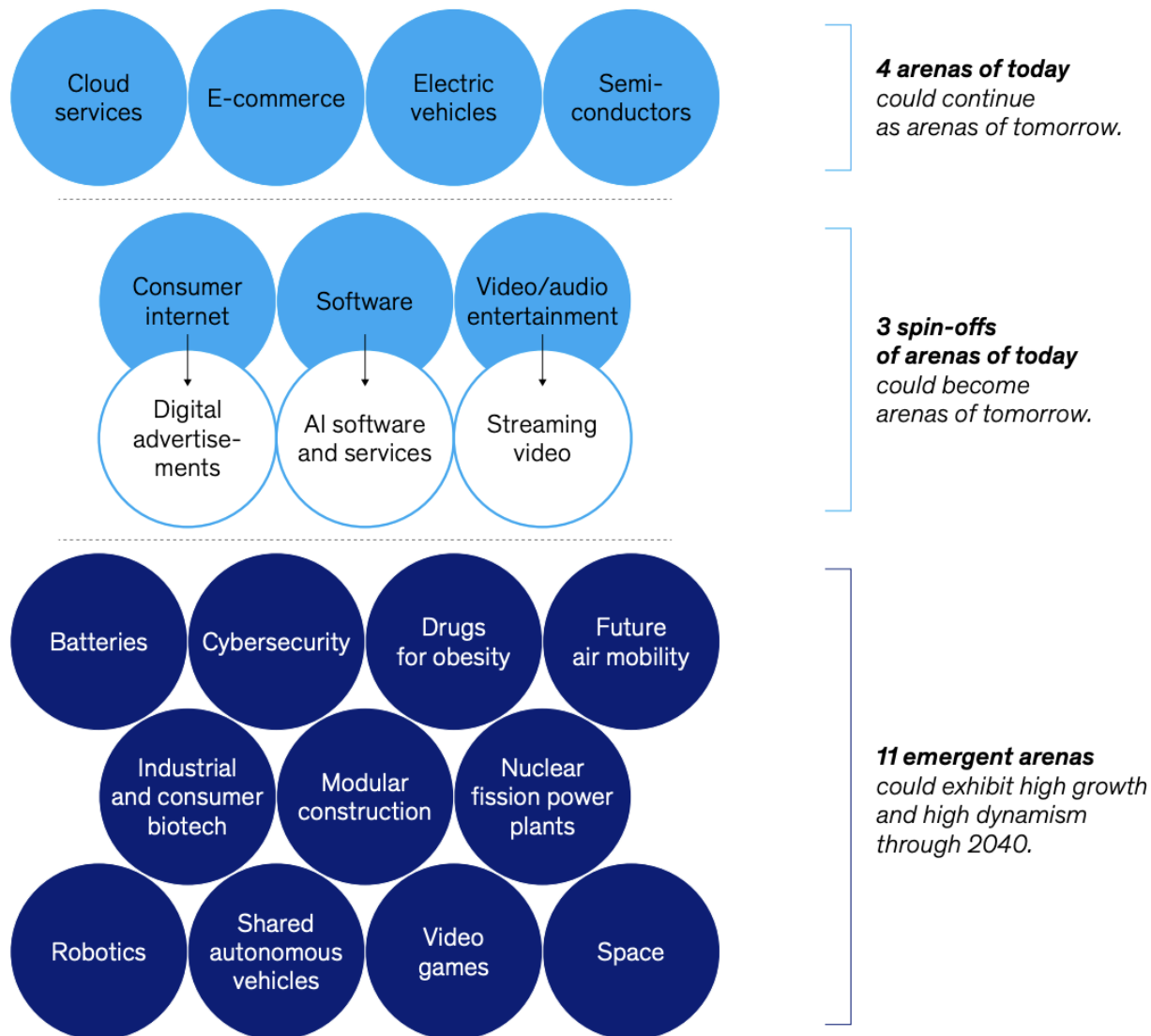
Regulation **safeguards** those aspects of the **social system** that we do **not want to change**, but it **can be challenged**.

Regulation (and policy) act as a catalyst of innovation among the possible trajectories.

Reality check

How certain industries might emerge as arenas of tomorrow

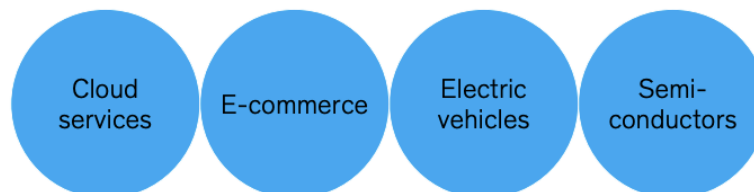
● Arenas of today ○ Subsegments of arenas of today ● Candidate arenas of tomorrow



Reality check

How certain industries might emerge as arenas of tomorrow

● Arenas of today ○ Subsegments of arenas of today ● Candidate arenas of tomorrow



4 arenas of today
could continue
as arenas of tomorrow.

Why other industries considered might not emerge as arenas of tomorrow

5 arenas of today could lack the growth and dynamism through 2040 to continue as arenas of tomorrow.

- Biopharma
- Consumer electronics
- Industrial electronics
- Information-enabled business services
- Payments

8 almost-emergent arenas might show high growth and dynamism through 2040 but were not analyzed because of uncertainties about the likelihood of the scenario and the time frame for scaling.

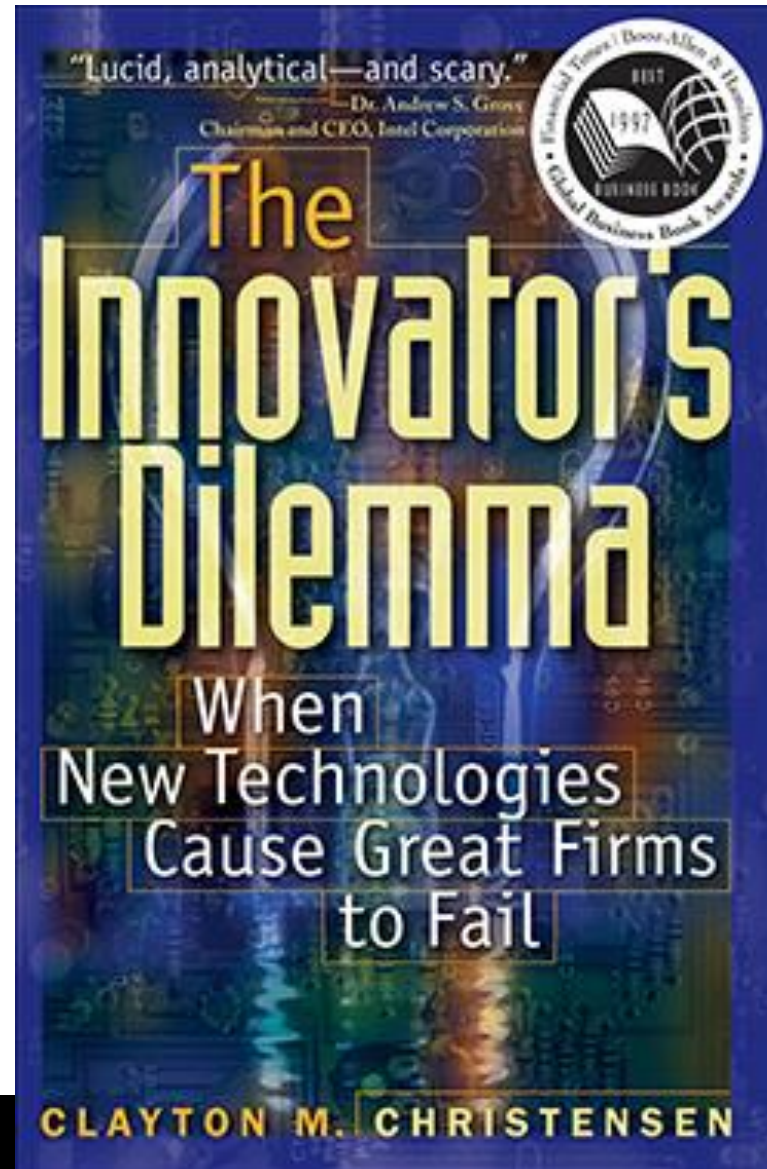
- Clean hydrogen
- Lower-carbon materials
- Nuclear fusion
- Products and services for older adults
- Renewable energy generation equipment
- Sustainable fuels
- Virtual reality and augmented reality
- Web3, including decentralized finance

Source: McKinsey Global Institute analysis



through 2040.

The tenets of innovation



“For everything else, there’s research”

So what?



Certainly **regulation** should be **challenged** and it should also be **upheld**.

So what?



A few examples: intellectual property regulation (**IPR**), **labour** market, **taxation**, **data** governance, **internet** governance. **Anything else?**



Thanks for your attention



open-verse.eu



[@OpenVerse_EU](https://twitter.com/OpenVerse_EU)



[@OPENVERSE](https://www.linkedin.com/company/openverse)



Funded by
the European Union



Project funded by

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Education,
Research and Innovation SERI