

## ADRF 2024

How does investing in Open Source software development contribute to enhancing European technological sovereignty?

# What is Open Source?

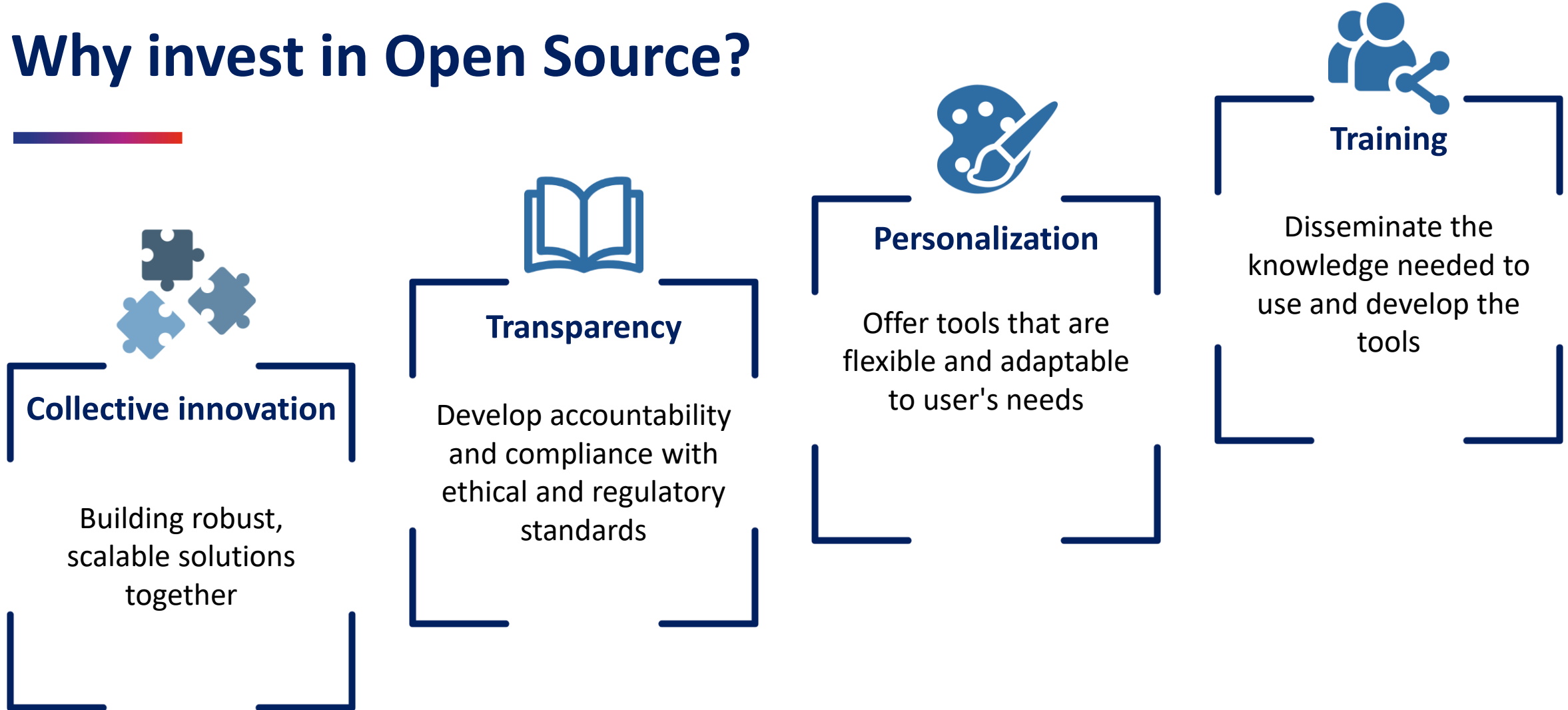
## Definition and Essence

- **Community-driven:** Created and maintained collaboratively by a global network
- **Open access and freedom:** Code is publicly accessible, modifiable, and shareable
- **Non-proprietary:** Unlike closed software, Open Source belongs to the community.

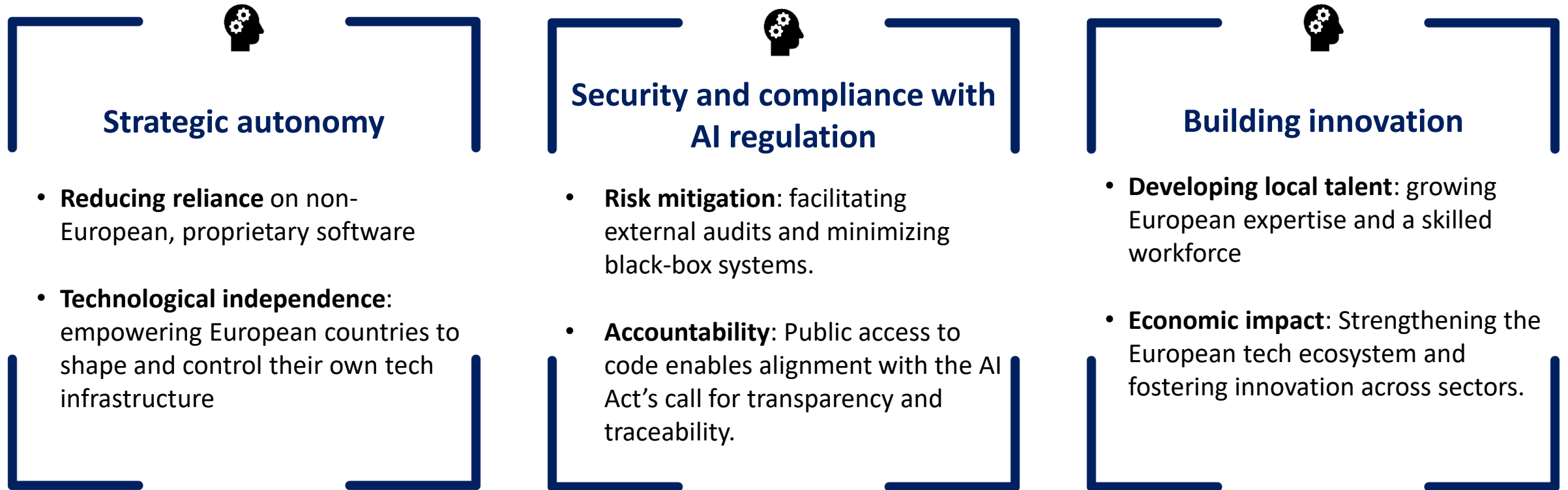
## How it works

- **Transparent development:** Every update and modification is visible to all
- **License-based sharing:** Open licenses (e.g., MIT, GPL) protect openness and sharing rights
- **Diverse contributions:** Welcomes input from developers, researchers, companies, and individuals

# Why invest in Open Source?



# Does Open Source really enhance sovereignty?



**+ Alignment with European values**

# However ...



According to a paper published by the Linux Foundation, there is a big “**consumption versus contribution imbalance**” in open source software development.

(Eberhardt et. al., 2022, p. 34)

*How do we come up with clever ideas to support Open Source?*

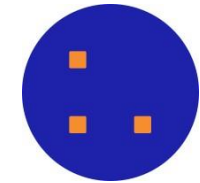
# An example from France



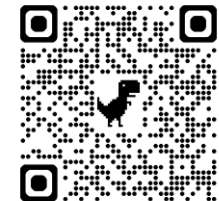
Open source Data science software



: probabl.



A mission-driven company for industrial and digital sovereignty



# Our European ambition



## Expertise and resources

Rallying European research stakeholders to contribute to the continuous enhancement of Data Science Open Source libraries

## Scientific and technological impact

Disseminating P16 commons and strengthening collaborations

## Social and economic impact

Ensuring European technological sovereignty and accelerating AI digital transformation

## European-led standards

Establish Europe as a leader in open-source standards, creating frameworks others can adopt



**The floor is yours!**