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GAIA-X ENERGY DATA SPACE

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The path to an European approach for energy

March 2022

Key figures on the Gaia-X Energy Data Space

60 participants of 23 organisations
A mix of energy players on the whole value chain:
energy companies, academic and technological partners

10 countries are working together
on a European scale

Identification and qualification of **+25**
business oriented energy use cases

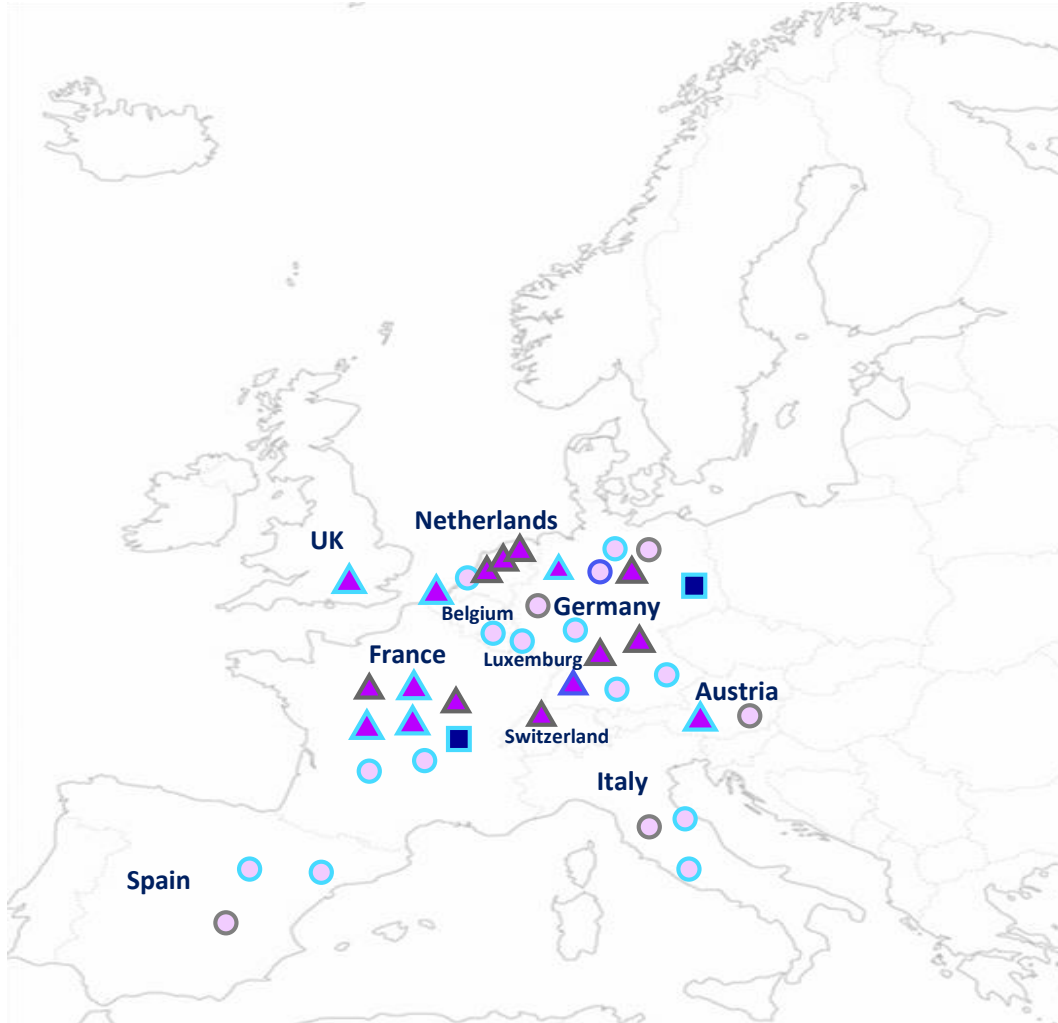**4 funding projects** are aligned with Gaia-X
principles

The ambition of the Gaia-X Energy Data Space:

- Provide an ecosystem for **the development of use cases on a European scale** to **foster** the **energy transition** and **reach carbon neutrality**.

- Sharing data in a **trusted, secure and sovereign way**, reaching a significant size becoming a **reference** for the energy sector.

A plurality of European players are gathering
to shape the Gaia-X energy data space and create value thanks to data sharing

Lead: EDF – Martine EDF

60 participants from 23 organizations across the energy sector value chain

Type of organisation

▲ Energy company   ■ National public/academic organisation

● Technological partners

Type of membership in the Gaia-X Energy Data Space

■ Core team members   ■ Steering Committee members

■ Prospects

Key energy themes with high potential for UC & projects

RENEWABLES

LOW-CARBON HYDROGEN

NUCLEAR

ENERGY EFFICIENCY

ELECTRIC VEHICLES

LOCAL ENERGY COMMUNITY

NETWORKS

COMPLIANCE & TRACEABILITY

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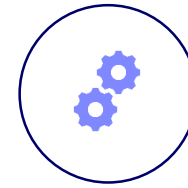# The main challenges to be adressed by the Gaia-X Energy Data Space

Synergies with other data spaces and initiatives

Launching and funding of new projects

Develop valuable projects & use cases

Interoperability (widely shared technical & data standards)

Three main orientations to reach the ambition of the Gaia-X Energy Data Space

1.

GOVERNANCE & ENGAGEMENT:
Develop an open ecosystem allowing European energy players across the value chain to work together with a common vision and communicate easily and transparently.

2.

USE CASES AND PROJECTS:
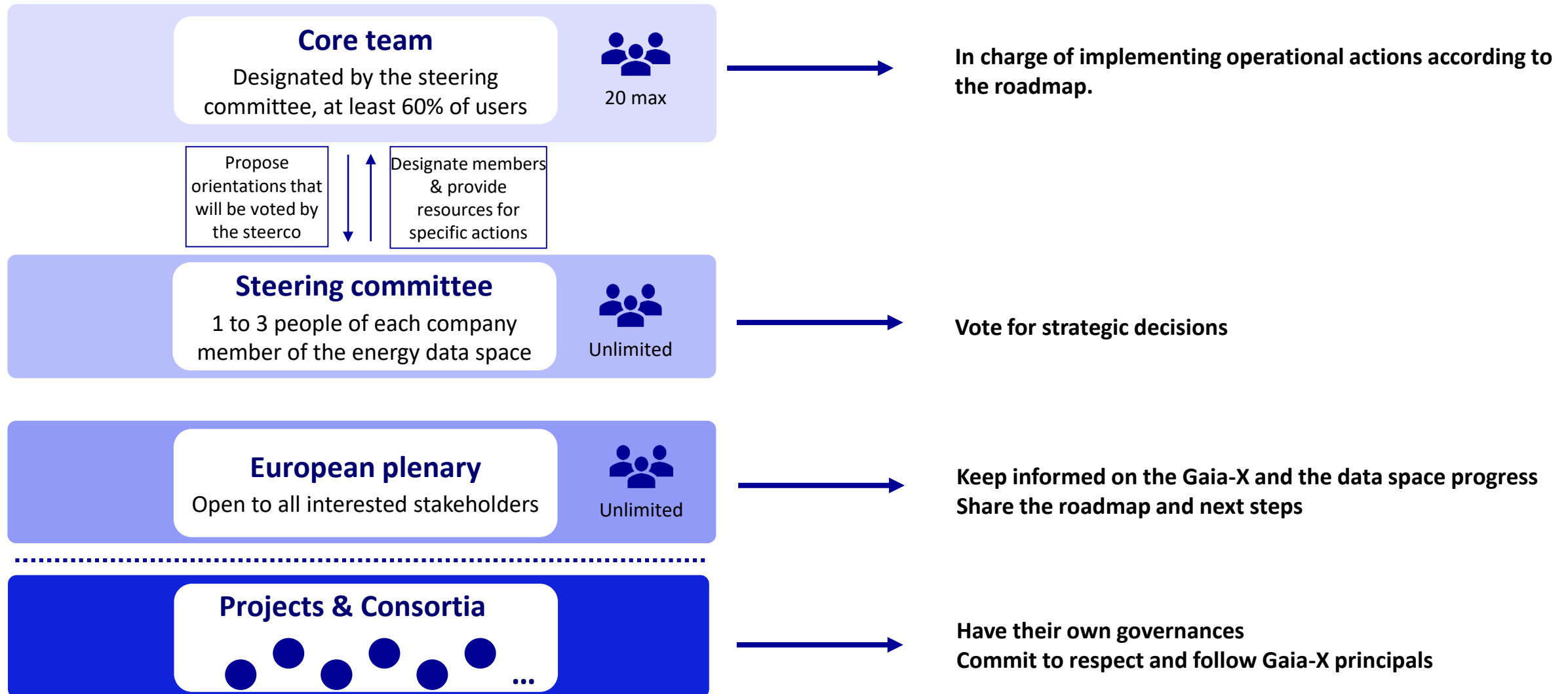Identify and develop energy/cross sector use cases coming from this ecosystem, with clear business value and viable business models, fostering the energy transition.

3.

TECHNICAL AND INTEROPERABILITY STANDARDS:
Develop and share interoperability, architecture standards, common semantic data models between the energy value chain stakeholders and the different projects, but also with other domains when relevant.

A clear governance to ensure the definition and the implementation of the Gaia-X Energy Data Space strategy

Core team
Designated by the steering committee, at least 60% of users

20 max

→ In charge of implementing operational actions according to the roadmap.

Propose orientations that will be voted by the steerco

Designate members & provide resources for specific actions

Steering committee
1 to 3 people of each company member of the energy data space

Unlimited

→ **Vote for strategic decisions**

European plenary
Open to all interested stakeholders

Unlimited

→ **Keep informed on the Gaia-X and the data space progress**
Share the roadmap and next steps

Projects & Consortia

...

→ **Have their own governances**
Commit to respect and follow Gaia-X principals

You want to join Gaia-X Energy Data Space?

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