Energy Data Space of Gaia-X

The path to an European approach for energy

April 2022
4 key figures on the Energy Data Space

36 participants of 22 organizations
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

3 funding projects are aligned with the principles of Gaia-X
The ambition of the 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 Energy Data Space and create value thanks to data sharing.

36 participants from 22 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
Key energy themes with high potential for UC & projects

- RENEWABLES
- NUCLEAR
- ELECTRIC VEHICLES
- LOW-CARBON HYDROGEN
- ENERGY EFFICIENCY
- LOCAL ENERGY COMMUNITY
- NETWORKS
- COMPLIANCE & TRACEABILITY
# Energy Data Space of Gaia-X: Roadmap 2022

## Qtr 1
- **January**: Steering Committee 1
- **February**: Steering Committee 2
- **March**: Core team meetings
- **April**: Define data space operating protocols (onboarding, membership, governance)
- **May**: Management and monitoring of the Energy Data Space
- **June**: Implement a communication plan
- **July**: Energy Data Space: Dedicated page / Meetings with prospects / Summits
- **August**: MVP: Gaia-X Summit & article in Gaia x Newsroom
- **September**: Gaia-x Magazine: Retrospective 2022 and
- **October**: Legal consequences implementation
- **November**: Map synergies with other data spaces
- **December**: Qualification and development of quick wins

## Qtr 2
- **January**: Steering Committee 3
- **February**: Governance Engagement
- **March**: Use cases
- **April**: Technical & Interop.
- **May**: Identify public funding
- **June**: Projects: follow-up Gaia-X, BYDA, Platoon, Evershare
- **July**: Refinement of a MVP
- **August**: Demonstration - Gaia-X Summit Paris
- **September**: Interoperability training
- **October**: September 2022 3C meeting with the 4 projects
- **November**: Map building blocks to work on vs Gaia-X works
- **December**:
The main challenges to be addressed by the 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 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 Energy Data Space strategy

**Core team**
- 20 max members
- 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 members
- Vote for strategic decisions

**European plenary**
- Open to all interested stakeholders
- Unlimited members
- Keep informed on the Gaia-X and the data space progress
- Share the roadmap and next steps

**Projects & Consortia**
- Have their own governance
- Commit to respect and follow Gaia-X principals

In charge of implementing operational actions according to the roadmap.

Vote for strategic decisions

Keep informed on the Gaia-X and the data space progress

Share the roadmap and next steps

Have their own governance

Commit to respect and follow Gaia-X principals
You want to join Gaia-X Energy Data Space?

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