# AI tools in R&D project preparation

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SPINVERSE

# About Spinverse

## Innovation for growth and a better world

**We are the Nordic leader in innovation consulting.** We drive our customers to growth and solving global challenges with innovations.

We help our customers to collaborate, get funding and achieve impact with their innovative projects: digitalisation, sustainability, and growth companies are the key enablers.

**2004**
Established

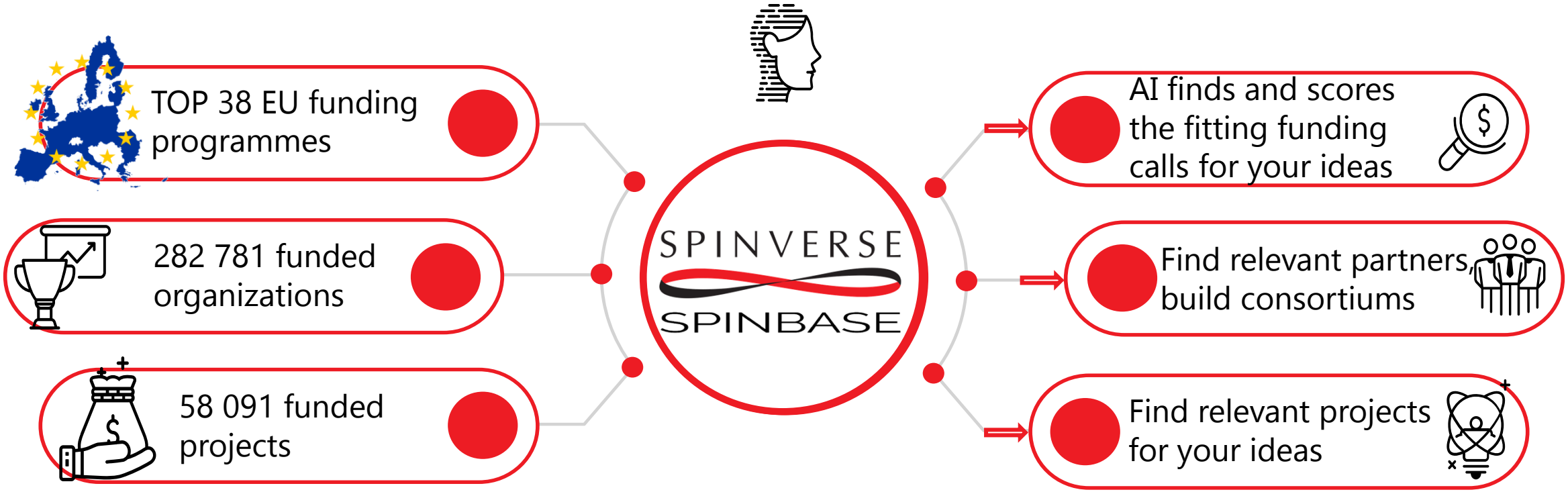
**4.2+ B€**
Large-scale Innovation Programmes coordinated

**2.5+ B€**
EU funding for our customers

**500+**
Companies engaged in ecosystems

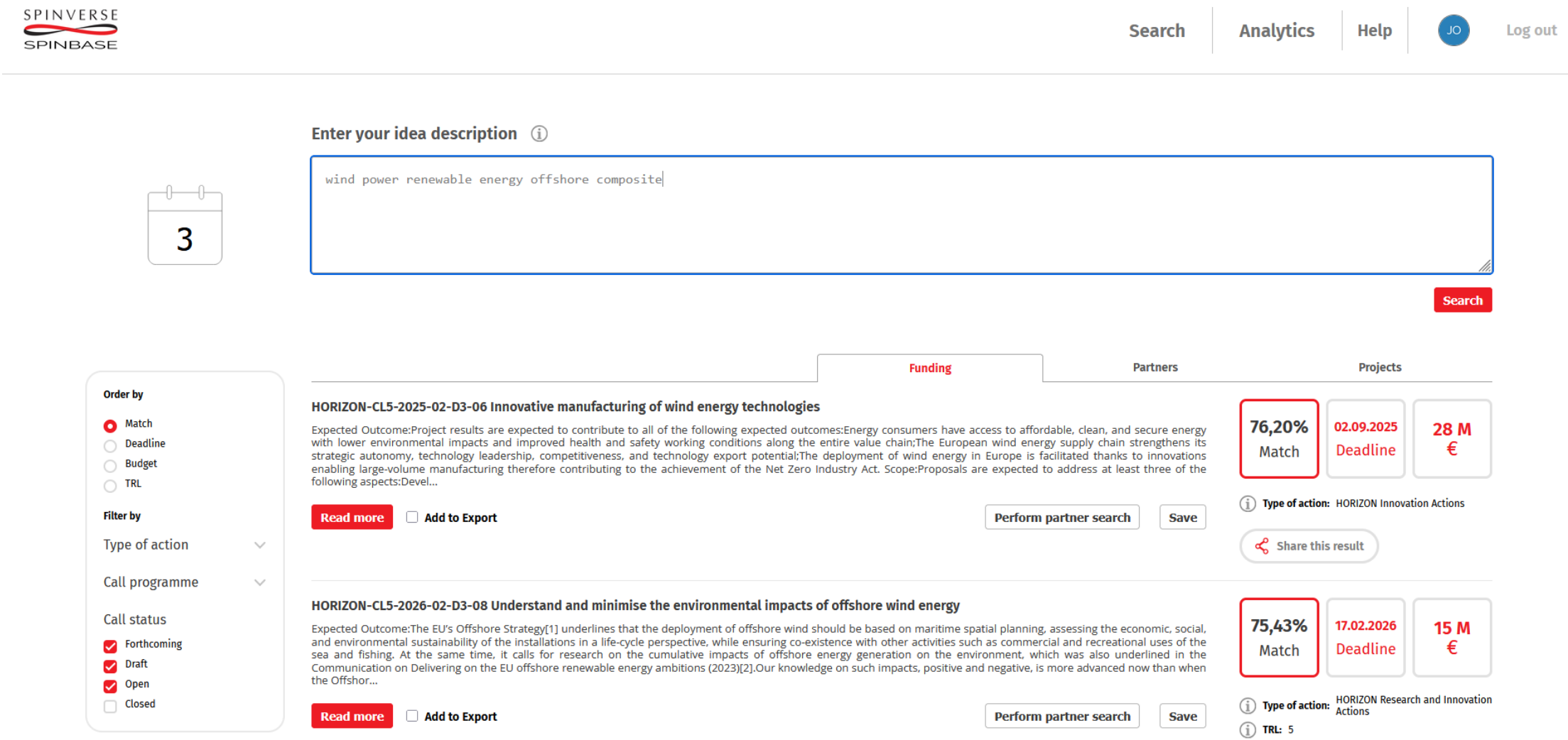
**16 000**
Visitors from 63 countries at our innovation events

# About Spinbase – AI-powered Search Engine



# Demo

# Funding search



# Funding information

## Innovative manufacturing of wind energy technologies

**Expected Outcome:**

Project results are expected to contribute to all of the following expected outcomes:

- Energy consumers have access to affordable, clean, and secure energy with lower environmental impacts and improved health and safety working conditions along the entire value chain;
- The European wind energy supply chain strengthens its strategic autonomy, technology leadership, competitiveness, and technology export potential;
- The deployment of wind energy in Europe is facilitated thanks to innovations enabling large-volume manufacturing therefore contributing to the achievement of the Net Zero Industry Act.

**Scope:**

Proposals are expected to address at least three of the following aspects:

- Develop and demonstrate innovative wind energy manufacturing technologies that improve the health and safety working conditions of staff along the supply chain;
- Develop and demonstrate innovative wind energy manufacturing technologies that allow for reduced energy and material consumption, increased circularity, lower costs and decreased pollution;
- Develop and demonstrate automated and/or semi-automated manufacturing solutions that ensure high-quality products, high productivity, increase the lifetime and the reliability of wind energy systems;
- Develop and demonstrate manufacturing solutions for wind energy technologies that allow for high production throughput, optimisation of logistics and transport of components and reduced impacts on the environment, cultural heritage, landscapes and people.

The project could, for instance, support the development of innovative manufacturing solutions for onshore and/or offshore wind energy production, including airborne wind energy. It could focus on specific components of a wind energy system (e.g., blades, nacelles and towers, gearboxes, foundations, generators, floaters, mooring systems, anchors, kites, etc.).

The project should analyse and report on the potential for standardisation of the solutions developed, as well as on possible connections with ongoing standardisation efforts.

The project must include a clear go/no-go milestone ahead of entering the demonstration phase. Before this go/no-go milestone, the project must deliver the detailed engineering plans, a techno-economic assessment, and all needed permits for the demonstrator. The project proposal is expected to present a clear and convincing pathway and timeline to obtaining the permits.

The project must assess the sustainability of the proposed solutions in environmental and socio-economic terms.

The demonstration must be at a realistic, representative scale and must cover a continuous interval of at least six months.

When developing improvements along the supply chain to improve the health and safety working conditions, projects must give special consideration to the gender dimension.

Whenever the expected exploitation of project results entails developing, creating, manufacturing and marketing a product or process, or in creating and providing a service, the plan for the exploitation and dissemination of results must include a strategy for such exploitation. The exploitation plan should include preliminary plans for scalability, commercialisation, and deployment (feasibility study, business plan) indicating the possible funding sources to be potentially used (in particular the Innovation Fund).

**Topic information:**

**Programme**
Horizon Europe (HORIZON) (2021 - 2027)

**Topic status**
Open

**Call identifier**
HORIZON-CL5-2025-02

**Call title**
Cluster 5 Call 02-2025 (WP 2025)

**Publication date**
N/A

**Opening date**
06 May 2025

**Next deadline: 02 Sep 2025**

**Budget of the topic (EUR)**
- 2025: 28 000 000

**Expected contribution**
7 000 000

**Indicative number of grants**
4

**External links:**

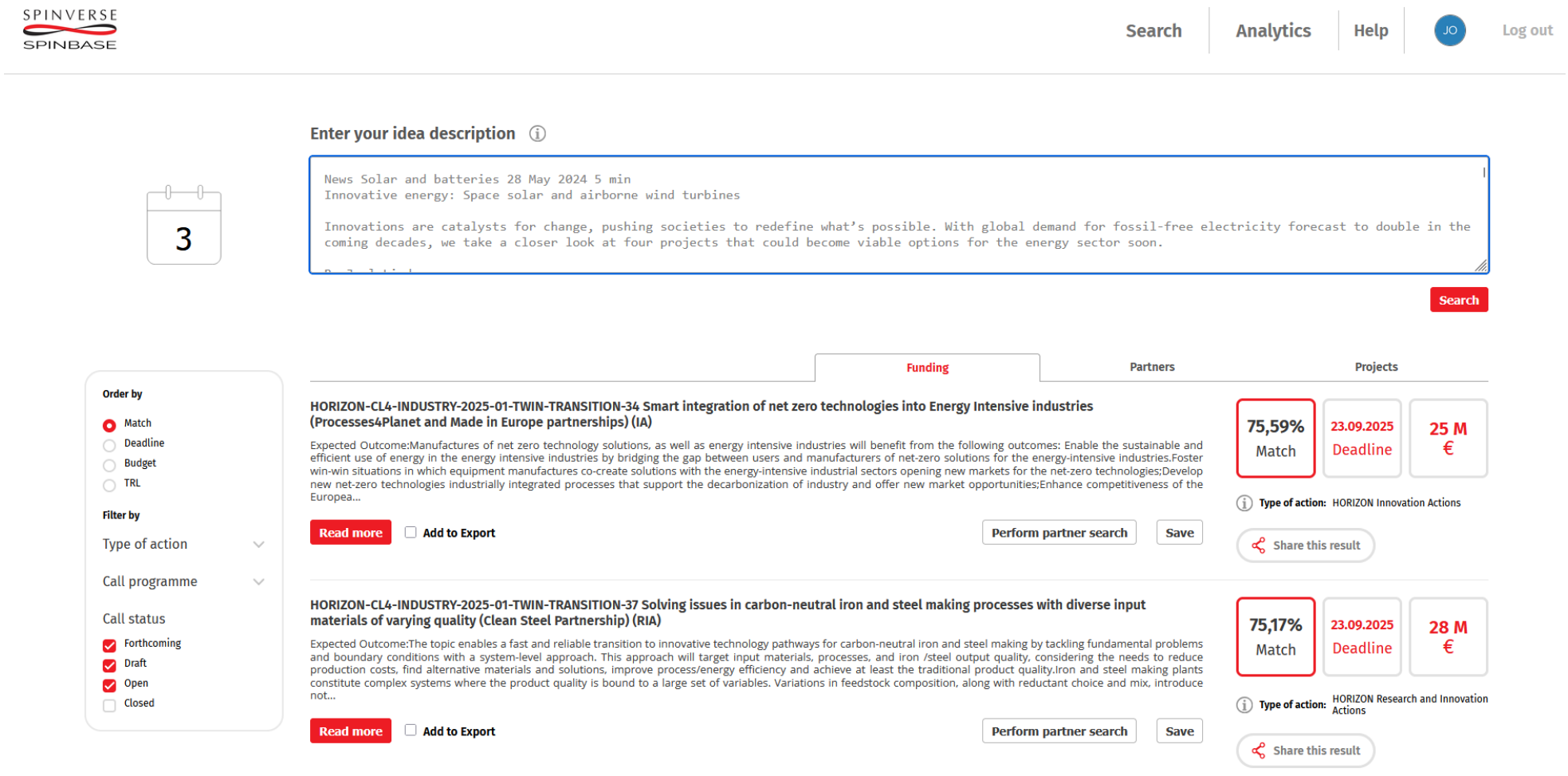
Topic page

Interested organizations, as they are mentioned in EU open access databases (SEDIA)

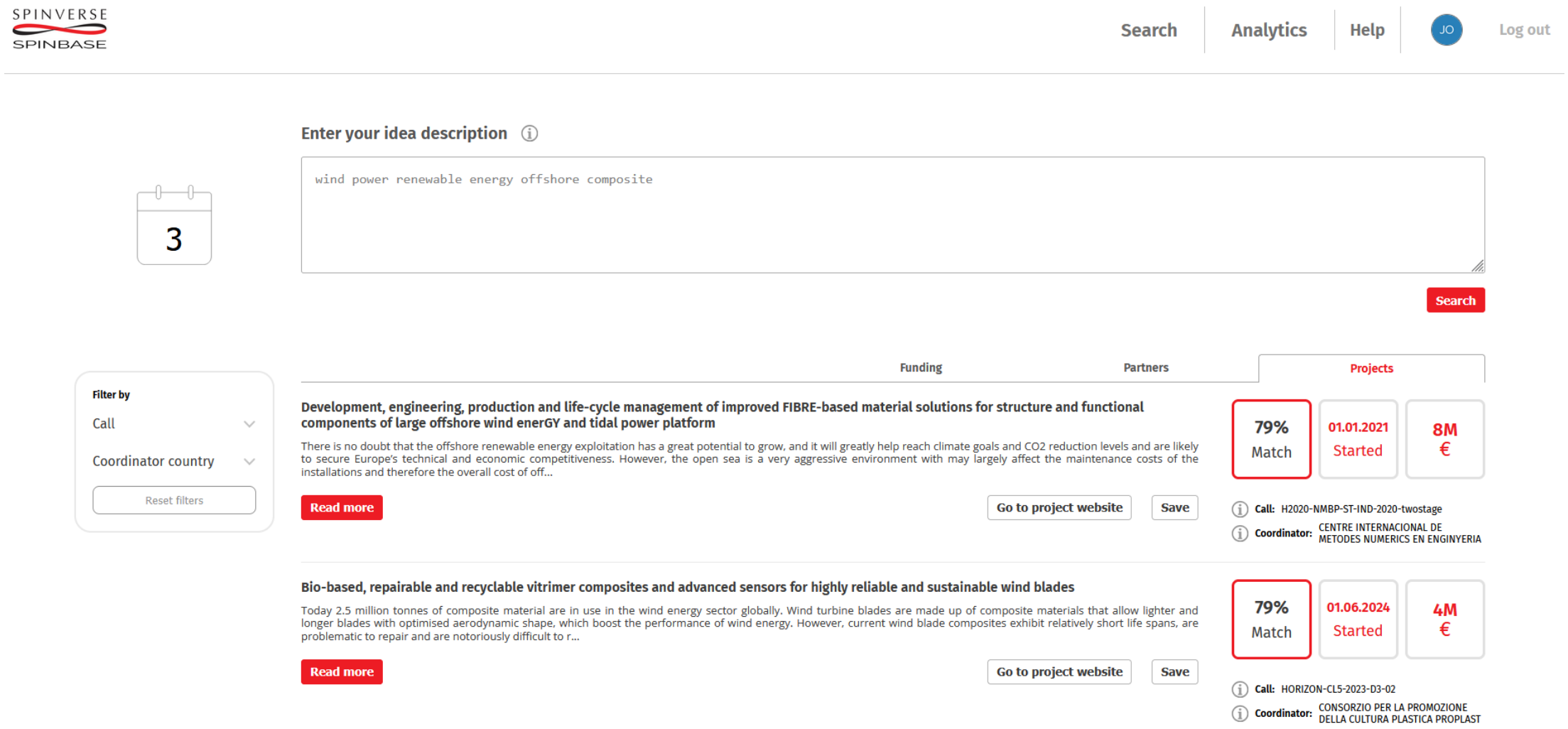
Topic tags

Topic keywords

# Funding search – longer query



# Project search



# Project information

## Development, engineering, production and life-cycle management of improved FIBRE-based material solutions for structure and functional components of large offshore wind enerGY and tidal power platform

### Project objective

There is no doubt that the offshore renewable energy exploitation has a great potential to grow, and it will greatly help reach climate goals and CO2 reduction levels and are likely to secure Europe's technical and economic competitiveness. However, the open sea is a very aggressive environment with may largely affect the maintenance costs of the installations and therefore the overall cost of offshore energy generation. The owners of offshore assets are well aware of that and are paying a steep price. A massive amount of steel goes into those assets, and all this metal is subject to degradation, which explains why corrosion accounts for approximately 60% of offshore maintenance cost. Preventive maintenance is not just expensive but also reduces the operating life of the assets. Despite the convenient immunity to corrosion of Fibre Reinforced Polymers (FRP), the use of those materials for large marine structures is limited to secondary components. The main objective of the FIBREGY project is to enable the extensive use of FRP materials in the structure of the next generation of large Renewable Energy Offshore Platforms (REOPs) by overcoming the above mentioned challenges. In order to achieve this objective, the project will develop, qualify and audit innovative FRP materials for offshore applications, elaborate new design procedures and guidelines, generate efficient production, inspection and monitoring methodologies, and validate and demonstrate advanced software analysis tools. Clear performance indicators will be designed and applied in the evaluation of two existing REOPs concepts to be re-engineered in FRP in the project. Finally, the different technologies generated in FIBREGY will be demonstrated by using advanced simulation techniques and building a real-scale prototype to validate the materials, tools, solutions, procedures and guidelines to be developed in FIBREGY.

### Project coordinator

CENTRE INTERNACIONAL DE METODES NUMERICS EN ENGINYERIA (ES)

### Project information

**Status**
SIGNED

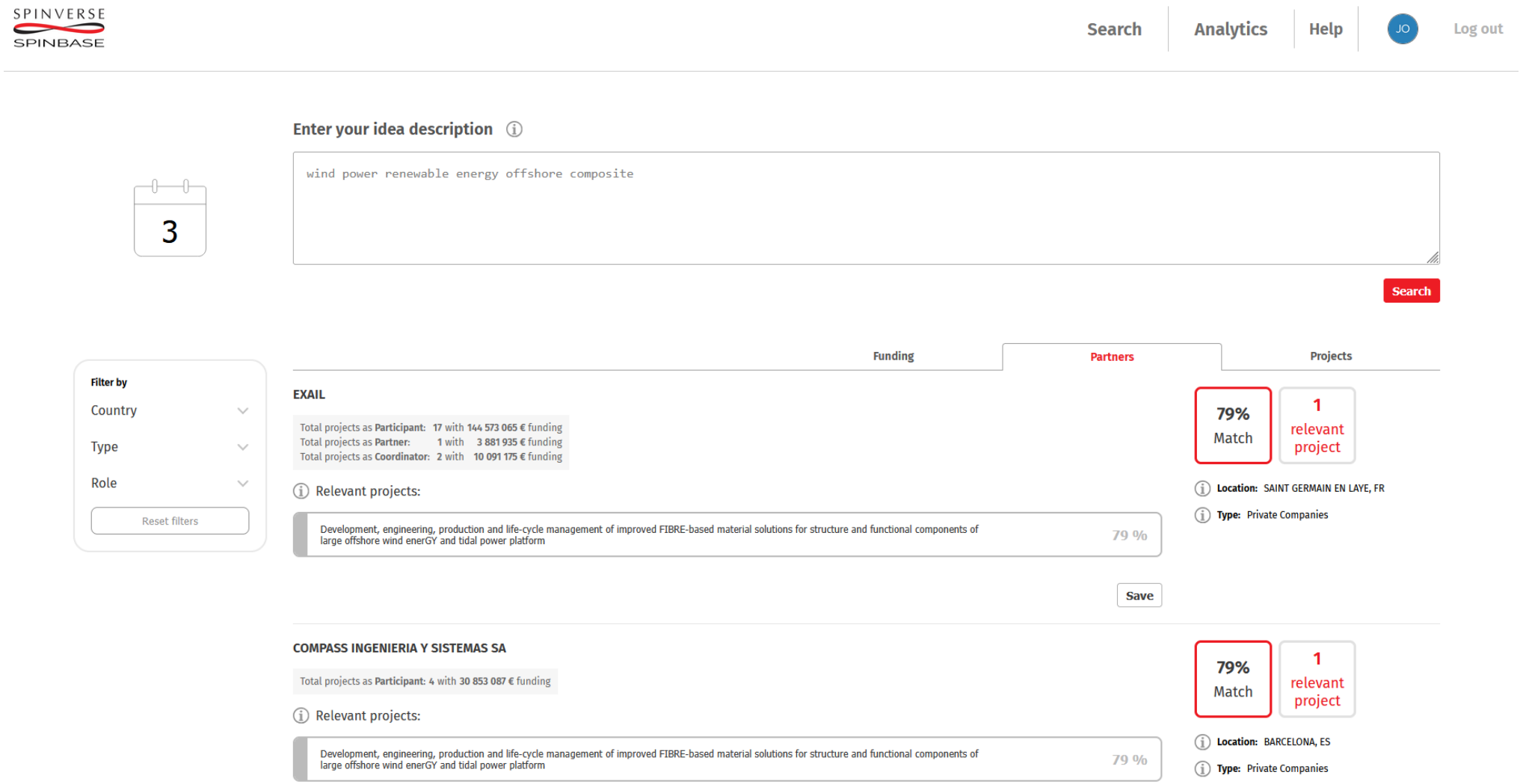
**Project started**
2021-01-01

**Project ended**
2023-12-31

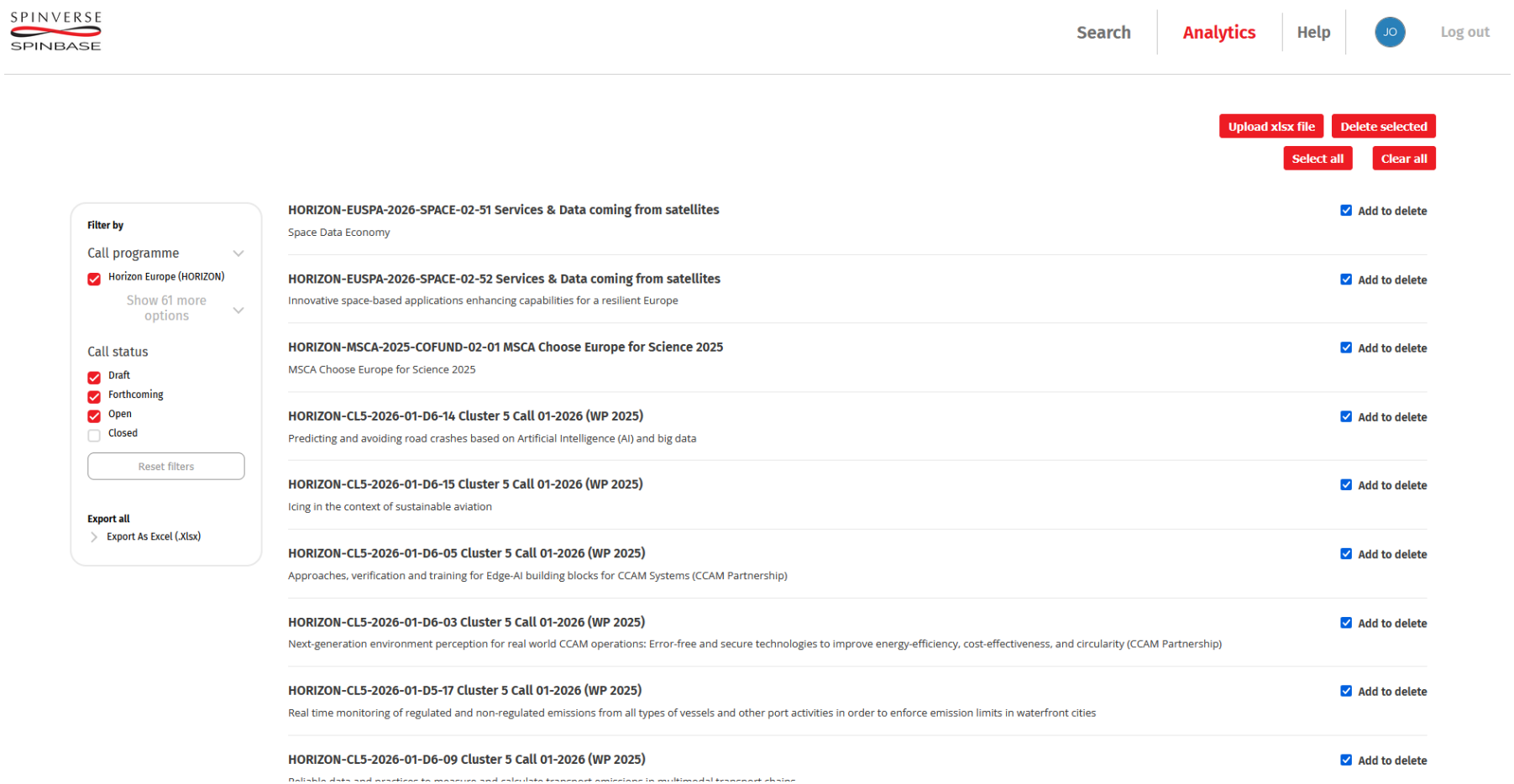
**Participants**

- TIDETEC AS
- BUREAU VERITAS MARINE & OFFSHORE REGISTRE INTERNATIONAL DE CLASSIFICATION DE NAVIRES ET DE PLATEFORMES OFFSHORE
- IXBLUE
- TUCO YACHT VÆRFT APS
- CORSO MAGENTA
- COMPASS INGENIERIA Y SISTEMAS SA
- UNIVERSITY OF LIMERICK
- ENEROCEAN S.L.
- AVK-INDUSTRIEVEREINIGUNG VERSTARKTEKUNSTSTOFFE EV
- TECNICAS Y SERVICIOS DE INGENIERÍA, S.L.
- INEGI - INSTITUTO DE CIENCIA E INOVACAO EM

# Partner search



# Analytics


SPINVERSE
SPINBASE
Search
Analytics
Help
JO
Log out
Upload xlsx file
Delete selected
Select all
Clear all
Filter by
Call programme
Horizon Europe (HORIZON)
Show 61 more options
Call status
Draft
Forthcoming
Open
Closed
Reset filters
Export all
Export As Excel (.xlsx)
HORIZON-EUSPA-2026-SPACE-02-51 Services & Data coming from satellites
Space Data Economy
Add to delete
HORIZON-EUSPA-2026-SPACE-02-52 Services & Data coming from satellites
Innovative space-based applications enhancing capabilities for a resilient Europe
Add to delete
HORIZON-MSCA-2025-COFUND-02-01 MSCA Choose Europe for Science 2025
MSCA Choose Europe for Science 2025
Add to delete
HORIZON-CL5-2026-01-D6-14 Cluster 5 Call 01-2026 (WP 2025)
Predicting and avoiding road crashes based on Artificial Intelligence (AI) and big data
Add to delete
HORIZON-CL5-2026-01-D6-15 Cluster 5 Call 01-2026 (WP 2025)
Icing in the context of sustainable aviation
Add to delete
HORIZON-CL5-2026-01-D6-05 Cluster 5 Call 01-2026 (WP 2025)
Approaches, verification and training for Edge-AI building blocks for CCAM Systems (CCAM Partnership)
Add to delete
HORIZON-CL5-2026-01-D6-03 Cluster 5 Call 01-2026 (WP 2025)
Next-generation environment perception for real world CCAM operations: Error-free and secure technologies to improve energy-efficiency, cost-effectiveness, and circularity (CCAM Partnership)
Add to delete
HORIZON-CL5-2026-01-D5-17 Cluster 5 Call 01-2026 (WP 2025)
Real time monitoring of regulated and non-regulated emissions from all types of vessels and other port activities in order to enforce emission limits in waterfront cities
Add to delete
HORIZON-CL5-2026-01-D6-09 Cluster 5 Call 01-2026 (WP 2025)
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