

CETPartnership Joint Call 2023: TRI 2 Preview event

Advanced renewable energy (RE) technologies for power
production

CETPartnership Joint Call 2023: TRI 2 Preview event

This is a preparatory session. The event will start at 10:00 am

Instructions for pitches

- Write the code you have received before your name. If you can not edit your name, please raise your hand for assistance, or write your pitch code in the chat or Q&A tool.
- You will be upgraded to panelist, please accept the invitation.
- Stay muted and with your camera off until it is your turn.
- Please keep your presentation to 2 minutes
- I will switch on my camera and send a message by the chat when you have 30 seconds left.
- The ppt will be shared at the website <https://cetpartnership.eu/>

House keeping

- Attendees:

- Muted
- Camera off
- You may use the “Q&A” tool to pose your question, we will be answering them.

- The presentation and Q&A will be shared at the website

<https://cetpartnership.eu/>

Agenda

09:50 Opening the doors

10:00 Welcome and introduction to TRI2

Francesco Basile, TRI 2 Lead expert (Ministry of University and Research, IT)

Session 1: Zero-Emission RES: priorities and foresights

10:15 Concentrated Solar Power/Thermal

SET Plan priorities: Cristina Trueba, Chair IWG CSP (Ministry of Science and Innovation, ES)

Discussant: Ricardo Sanchez, EERA JP CSP/STE Coordinator (PSA)

10:30 Photovoltaics

SET Plan priorities: Christoph Huennekes, Chair IWG PV (FZ Jülich, DE)

Discussant: Ivan Gordon, EERA JP PV Coordinator (IMEC, BE)

10:45 Wind Energy

Presentation SET Plan priorities: Adrian Timbus, ETIPWind Chair (Hitachi Energy)

Discussant: Ignacio Marti, EERA JP Wind Coordinator (DTU, DK)

11:00 Ocean and Marine energy

SET Plan priorities: Gianmaria Sannino, Chair IWG Ocean (ENEA, IT)

Discussant: Henry Jeffrey, EERA JP Ocean Coordinator (University of Edinburgh, UK)

Session 2: Introducing the CETP Joint Call 2023

11:15 TRI2 Call Modules 2023: structure and key R&I areas

Francesco Basile, TRI 2 Lead expert (Ministry of University and Research, IT)

11:30 Joint Call 2023: timeline and funding partners

Rachele Nocera, TRI 2 (Ministry of University and Research, IT)

11:40 Q&A

Session 3: Pitch session

12:00 Ideas and partners marketplace

Moderator: Irene Carlos (FECYT)/Rachele Nocera (MUR)

13:00 End of the meeting

TRI2

TRI2' objective is to support the development, scale up and market uptake of enhanced RE technologies contributing to zero-emission power production, in line with the Green Deal and the EU's energy policy and decarbonization targets.

Turning TRI2 objectives in Call Module priorities

2022

Two Call Modules on development of RE technologies for zero emission power production :

2.1) Objective: Cost reduction

2.2) Objective: Increased efficiency

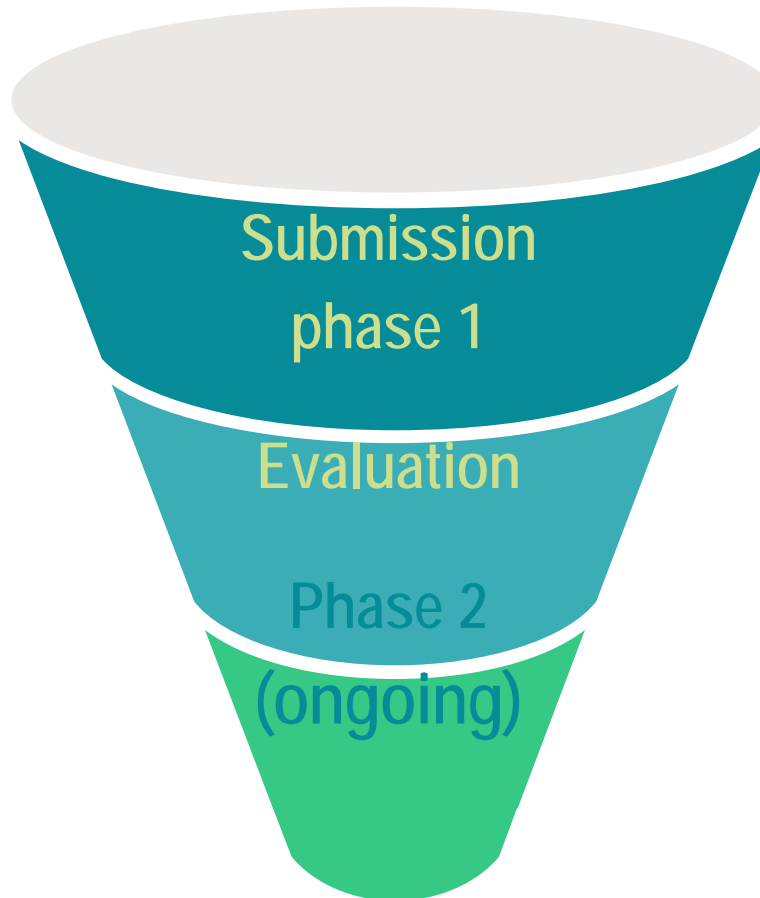


CM 2.1: Advancing RE technologies for power production through cost reduction



CM 2.2: Breakthrough R&D to increase RE power technologies efficiency

TRI 2 Call Modules 2022: results



**Call Module: TRI2
Advancing RE
technologies for power
production through
cost reduction**

**Call Module: TRI2
Breakthrough R&D to
increase RE power
technologies efficiency**

188 Partner involved, 48 Mil euro requested

- 12 proposals submitted
- 9 proposals passing
- 75% success rate
- 9 Proposals submitted 2nd stage

- 22 proposals submitted
- 15 proposals passing
- 68% success rate
- 12 Proposals Submitted 2nd stage

Project Distribution: phase 2

Call Module: TRI2
Advancing RE
technologies for power
production through
cost reduction

PV	3
WIND	2
Offshore RES	2
CSP-ST	2

Call Module: TRI2
Breakthrough R&D to
increase RE power
technologies efficiency

PV	3
WIND	2
Offshore RES	2
CSP-ST	2
Ocean	2
Hybrid PVT	1

Projects in phase 2, IOA (High TRL)

HYBRID WIND	Hybrid wind turbine condition monitoring system for different weather conditions	POLITECHNIKA GDANSKA	PL
TANDEM	Low-cost Sustainable High Efficiency Tandem Solar Cells	SINTEF AS	NO
WECHULL+	Sustainable Concrete Material Leading to Improved Substructures for Offshore Renewable Energy Technologies	RISE Research Institutes of Sweden	SE
APECS	Application of Perovskite on Crystalline Silicon tandem solar cells for highest power PV modules	Evolar AB	SE
OPTIFLEET	Optimal Fleet Design and Logistics to Reduce Levelized Cost of Energy and Operational Risk for High-Power Offshore Wind Farms	Universität Rostock	DE
SEASNAKE+	Industrial upscale of surface protection system & fibre optic-based condition monitoring for the SEASNAKE MVC (Medium Voltage Cables)	RISE RESEARCH INSTITUTES OF SWEDEN AB	SE
WaMTec	From Wafer to Module: Cost-Effective High-Efficiency Silicon Technologies	Fraunhofer Gesellschaft zur Förderung der angewandten Forschung	DE
HelioFizz	Electrodynamic Cleaning and Soiling Prevention of Solar Reflectors	DEUTSCHES ZENTRUM FÜR LUFT - UND RAUMFAHRT	DE
HESTIA	Hybrid-Electric-Solar Thermal beam down system with high temperature Storage, tertiary reflector and Integrated Airwall	FRAUNHOFER GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG	DE

Projects in phase 2, ROA (Low TRL)			
ACT-FAST	Sustainable Antimony Chalcogenide Thin-Film TAndem Solar Technology	Tallinn University of Technology	EE
NextGen	Demonstrating the NextGeneration of Direct Drive Generators for Wind Energy	Hagnesia Wind AB	SE
Sunflower	Sustainable Near-net-shape Fabrication of Low Environmental impact Receiver materials	Fraunhofer Gesellschaft zur Forderung der Angewandtev Forschung	DE
DETECTIVE	Development of a novEl Tube - bundlE-CaviTy lInear receiVER for CSP applications	Politecnico di Torino	IT
EPoBoC	Easy to fabricate, both sides poly-Si passivating contact bottom cell for Perovskite/Silicon tandem devices	Fraunhofer Institute for Solar Energy Systems ISE	DE
HESCASS	Highly Efficient Solar Electricity and Heat Cogeneration by the Application of Spectrum Splitting	Budapesti Muszaki es Gazdasagtudomanyi Egyetem	HU
SPOT-IT	Stable printed perovskite/organic tandem solar cells and modules for indoor & IoT	Univ di Roma Tor Vergata	IT
MORE	Next Generation Marine Materials for Resilient Offshore Renewable Energy Devices	RISE research institute of Sweden	SE
NORD STORM	Novel paths towards next generation heterojunction solar cell and module	Forschungszentrum Julich GMBH	DE
POTTER	Pitch Optimisation for Tidal Turbine Enhanced Reliability	Nova Innovation Ltd	GB
WIND-DIGIPOWER	Large-scale wind integration for the future digital power grid using innovative power electronics control and communication-based estimations	Chalmers Tekniska Hogskola	SE
SMARTMOORING	Smart mooring for safe and efficient ocean energy production	RISE research institute of Sweden	SE

Session 2: Introducing the CETP Joint Call 2023

11:15 TRI2 Call Modules 2023: structure and key R&I areas

Francesco Basile, TRI 2 Lead expert (Ministry of University and Research, Italy)

TRI2

Enhanced zero emission power technologies

Leader MUR

Leading expert: Francesco Basile

TRI Office: Rachele Nocera

Co-leader AEI-FECYT

Communication: Irene Carlos

CETPartnership Joint Call 2023 Call Modules

No.	Title	Contact
CM2023-01	Direct current (DC) technologies for power networks	TRI1@cetpartnership.eu
CM2023-02	Energy system flexibility: renewables production, storage and system integration	TRI1@cetpartnership.eu TRI2@cetpartnership.eu
CM2023-03A/3B	Advanced renewable energy (RE) technologies for power production	TRI2@cetpartnership.eu
CM2023-04	Carbon capture, utilisation, and storage (CCUS)	TRI3@cetpartnership.eu
CM2023-05	Hydrogen and renewable fuels	TRI3@cetpartnership.eu
CM2023-06	Heating and cooling technologies	TRI4@cetpartnership.eu
CM2023-07	Geothermal energy technologies	TRI4@cetpartnership.eu
CM2023-08	Integrated regional energy systems	TRI5@cetpartnership.eu
CM2023-09	Integrated industrial energy systems	TRI6@cetpartnership.eu
CM2023-010A/10B	Clean energy integration in the built environment	TRI7@cetpartnership.eu

Turning TRI2 objectives in Call Module priorities

2022

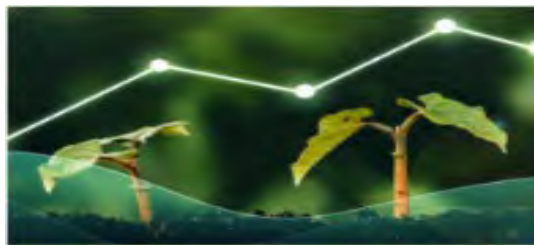
Two Call Modules on development of RE technologies :

2.1) Objective: Cost reduction

2.2) Objective: Increased efficiency



CM 2.1: Advancing RE technologies for power production through cost reduction



CM 2.2: Breakthrough R&D to increase RE power technologies efficiency

2023

- Joint TRI1/TRI2 “Mission Innovation” Call module on **integration of vRES** in the power grid, storage, system flexibility.
- TRI2 specific Call module (3A/3B) addressing **cost reduction** and increased **efficiency** + **coupling/integration**, at medium (3A) and high TRL(3B)

TRI2 Call Module Advanced renewable energy (RE) technologies for power production (3A/3B)

The Call Modules aimed at the development of a new generation of cost-competitive, scalable and transferrable RE technologies for power production with higher efficiency, enhanced performances, lifetime, reliability and sustainability

CM2023-03A calls for ROA (Research-Oriented Approach) projects targeting TRL4 or above

CM2023-03B calls for IOA (Innovation-Oriented Approach) projects targeting TRL6 or above

CM2023-03A/03B: Advanced renewable energy (RE) technologies for power production (3A/3B)

Addressing key aspects in view of accelerating the development and the uptake of zero emission power technology in the Green Deal perspective:

- Contributes to the relevant SET Plan Implementation Plans objectives (on Ocean Energy; PV; CSP, Wind, and Bioenergy)
- Complements Horizon Europe calls covering R&I areas/topics underfunded with respect to the investment needed
- Addresses sustainability aspects
- Integrating different RE power production technologies
- Integrating/coupling/hybridizing (co-generation of power and other energy carriers)

Expected Impact (3A/3B)

- Increase the energy conversion efficiency contributing zero emission power production
- Increase technology performance and/or lifetime
- Develop innovative technologies and components
- Decrease investment cost and LCOE and/or improve the overall economics
- Demonstrate the feasibility of scaling up
- Demonstrate the technology in different geophysical/weather conditions
- Reduce environmental impact or improve multiple use of occupied land surface / or maritime space
- Minimize the use of critical raw materials (CRM) and apply circularity-by-design approaches

CM2023-03A/03B: technology areas (not prescriptive)

Bioenergy for power generation

- High efficiency biomass (co)generation of power with improved performance and higher share of power production ratio, using residues and wastes as feedstocks, and with negative carbon emission
- Integrated CHP systems enhancing annual total efficiency and power capacity factor and negative carbon emission

Concentrated solar power (CSP) / solar thermal energy (STE)

- Line-focus solar power plants technology: Component development, process innovation and cost optimisation for molten salts systems; Solar collector fields with silicone oil as heat transfer fluid (HTF)
- Central Receiver power plants technology (concepts, materials and components): optimisation of central receiver molten-salt technology; Solar tower with particle receiver technology
- Turbo-machinery developed for specific conditions of solar thermal power plants: expansion turbine technologies for advanced CSP power blocks or supercritical CO₂ cycles
- **Cross-cutting issues:** Digitalisation of CSP plants; Innovative coatings for CSP mirrors

Ocean energy

- Dry-testing of power take-off for wave energy devices to debug, improve, stabilise, fine-tune and optimise wave energy devices before offshore operations
- Tidal blades: Improving the survivability and efficiency of tidal blades to enhance performance and reliability of the device
- Connection systems: Reduce the cost of connection and cabling systems, as well as maintenance requirements and costs
- Innovative solution such as salinity gradient energy

Offshore renewables (marine renewables, floating wind/PV, etc.)

- New materials or novel applications of existing materials for moorings, foundations and components: Materials with improved fatigue, damping, stiffness, bio-fouling management or other cost-reducing characteristics
- Mooring and connections: Improved moorings, foundations, connections and cabling systems; Dynamic cable repair solutions
- O&M: innovative solutions to reduce costs of operations and maintenance
- Site-specific marine observation, modelling and forecasting: marine / meteorological data to improve performance, reliability, availability of offshore renewables through better design and efficient operations

Solar photovoltaics

- Performance Enhancement and Cost Reduction through Advanced PV Technologies: Perovskite / Silicon Tandem-Solar cells and modules / Thin film cells
- Lifetime, Reliability and Sustainability advanced PV technologies, manufacturing and applications: Low environmental impact materials, processes, products
- Digitalisation for O&M: advanced data analytics, digital twin of assets and components, predictive maintenance
- New Applications through Integration of PV: Agrovoltaic and landscape integration; Floating PV; IIPV-Infrastructure Integrated PV; Low power PV

Wind energy (offshore and onshore)

- Next generation of wind turbine technology: cost-efficient, energy-efficient, low environmental impact, scalable wind energy converters and turbines
- Atmospheric modelling: Improved understanding of atmospheric and wind power plant flow physics; Predicting environmental parameters
- Digital twins for turbine and for optimised wind energy applications
- O&M: solutions/digital solutions for wind energy operation, maintenance & installation
- Landscape integration of wind energy in the natural and social environment

Hybrid-RES solutions

- Site integration optimisation: PV+CSP; PV+Wind, CSP-Wind, Ocean-Wind, etc.
- Integration with storage: Optimise RE power production, site and technology integration with energy storage
- Hybrid systems: Combined electricity generation with heat or other energy carriers in hybrid systems (PVT, PV-Hydrogen, CSP-ST)

TRL and expected applicants(3A/3B)

Project consortia

- Research and technology developers
- Private companies: SMEs and spin-offs; large companies
- Technology integrators, system integrators
- Site planner and integrators

TRL

ROA: research and innovation action (final TRL \geq 4)
IOA: Innovation action (final TRL \geq 6)



Joint Call Module TRI 1 & TRI2 'Mission Innovation

- Collaboration (Green power future mission)
- Selection of 11 priorities. (among 100) clusterized in 5 areas for a coherent call module development.
- Approved by TRI2 and GPFM.



TRI2 approach is to develop renewable energy solutions taking into consideration the integration in the energy system, suitable storage solution, enhanced flexibility and services diversification related to increase of electrification in end-user sectors

CETPartnership and Mission Innovation GPFM Joint Call Module

CM2023-02 Energy system flexibility: renewables production, storage and system integration



Call module developed with

- Mission Innovation **Green Powered Future Mission**
- **TRI 1** and **TRI 2** experts and Partners



This Call Module brings **the contribution of CETPartnership at a global level** and gives a **global dimension to funded projects**, which will benefit from work and exchange with project partners from different world regions

Target groups

Private/regulated sector actors such as

- system operators
- SMEs and spin-off companies
- Research Technology Organisations (RTOs)

TRL

Start from TRL ≥3

Achieve TRL 5-6

Budget

A contribution ranging from 0.5 to 1.5 M€ would allow to co-fund sound project proposals



Domain

11 GPFM Innovation Priorities clustered into 5 R&I themes:

1. **Large-scale renewable generation and system flexibility and reliability**
2. Energy storage technologies and systems for flexibility services
3. System integration and flexible operations
4. Innovative flexibility sources and flexibility markets
5. Energy data management and security



Objective

Address key aspects to accelerate the uptake of highly innovative replicable and scalable solutions, preferably built on top of existing initiatives or assets



Call main focus

R&D projects dedicated to technological development, system integration, digitalization, standardisation relevant to the Innovation Priority themes of the 2023 Module Domain

Joint Call Module TRI 1 & TRI2 'Mission Innovation

R&I Areas:

1. Large-scale renewable energy generation for improving system reliability & stability (GPFM IP 1.3.2)
2. Variable renewable energy flexibility provision & contribution to generation capacity (GPFM IP 2.1.1)
3. Innovation in energy storage technologies (GPFM IP 1.5.3)
4. Utility scale storage systems for innovative flexibility services (GPFM IP 2.4.3)
5. System stability assessment considering high VRE penetration (GPFM IP 2.3.1)
6. Enhanced TSO-DSO coordination platform for flexibility markets optimisation (GPFM IP 2.3.2)
7. Flexibility markets for innovative ancillary services by VRE and storage (GPFM IP 2.7.1)
8. Unlocking commercial and residential buildings flexibility potential (GPFM IP 2.5.2)
9. Connected data platforms for enhanced forecasting and flexible operation (GPFM IP 3.3.2)
10. Standardisation of devices and control platforms (GPFM IP 3.1.2)
11. Identify priority dataset for system security (GPFM IP 3.2.2)

Aspects to address:

Generation of renewable energy considering integration into the power grids
storage as a possible solution to deal with vRES
broad technological, market aspects,
approaches towards system integration.

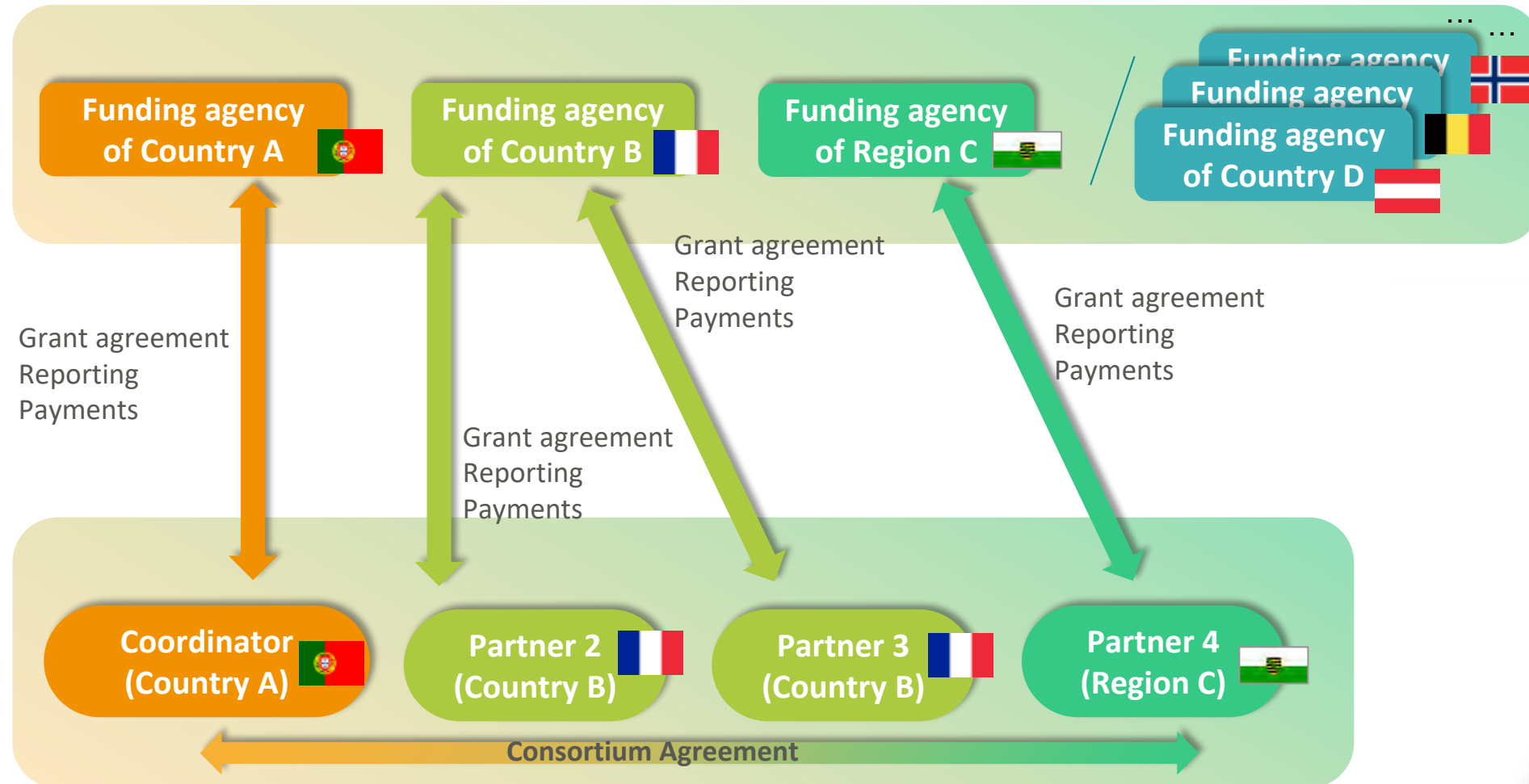
Projects are expected to start from TRL ≥ 3 and to achieve TRL 5–6

Session 2: Introducing the CETP Joint Call 2023

11:30 Joint Call 2023: timeline and funding partners

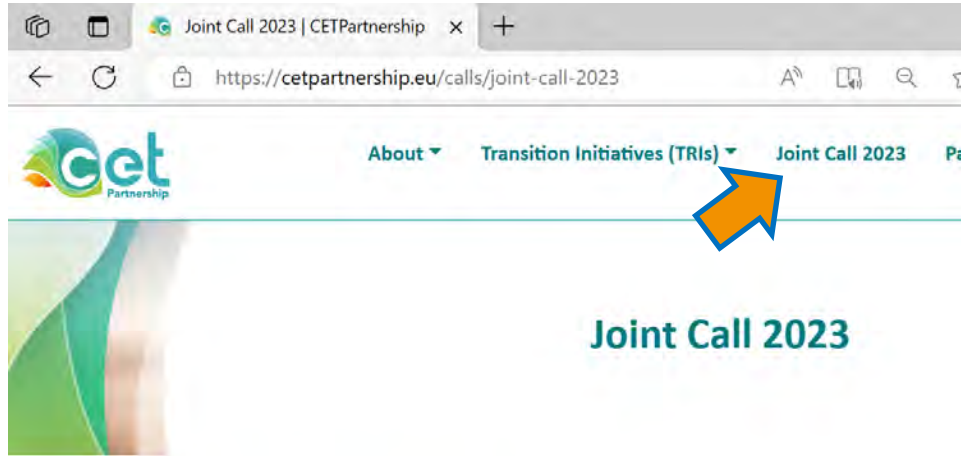
Rachele Nocera, TRI 2 (Ministry of University and Research, Italy)

CETPartnership: funding mechanism > one call / different agencies



Funded Project

Find National contact points on the CETPartnership website



Joint Call 2023

SUBMIT YOUR PROPOSAL

MATCHMAKING PLATFORM

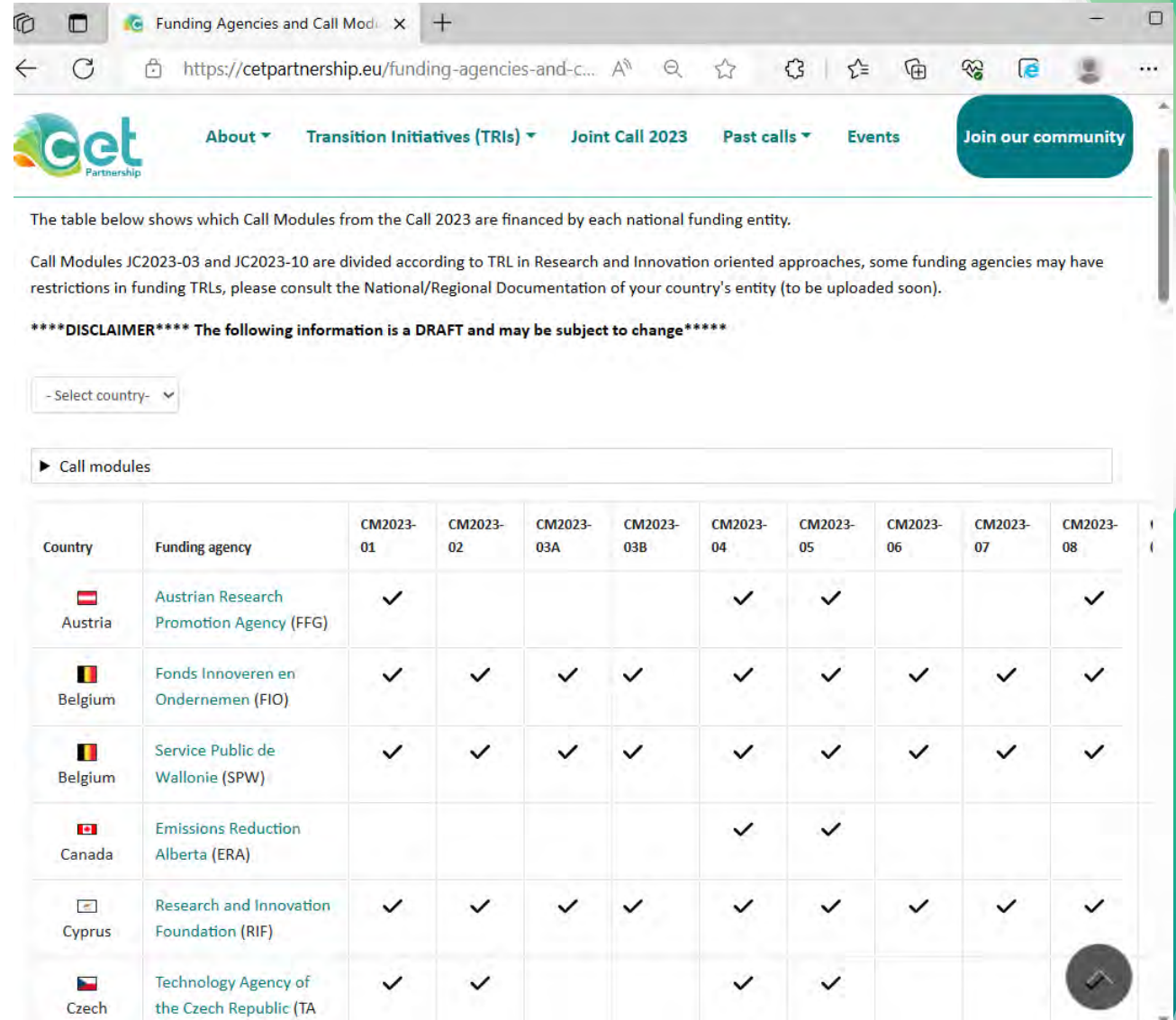
JOINT CALL 2023 DOCUMENTS

FUNDING AGENCIES AND CALL MODULES

The **CETPartnership Joint Call 2023** is the second CETPartnership. To cover different topics and RDI **Modules**, aimed at different energy technologies and innovation oriented approaches on different complementing and completing each other.

General information about the call

The **CETPartnership Joint Call 2023** has two parts:









The table below shows which Call Modules from the Call 2023 are financed by each national funding entity.

Call Modules JC2023-03 and JC2023-10 are divided according to TRL in Research and Innovation oriented approaches, some funding agencies may have restrictions in funding TRLs, please consult the National/Regional Documentation of your country's entity (to be uploaded soon).

****DISCLAIMER**** The following information is a DRAFT and may be subject to change****

- Select country -

► Call modules

Country	Funding agency	CM2023-01	CM2023-02	CM2023-03A	CM2023-03B	CM2023-04	CM2023-05	CM2023-06	CM2023-07	CM2023-08
 Austria	Austrian Research Promotion Agency (FFG)	✓				✓	✓			✓
 Belgium	Fonds Innoveren en Ondernemen (FIO)	✓	✓	✓	✓	✓	✓	✓	✓	✓
 Belgium	Service Public de Wallonie (SPW)	✓	✓	✓	✓	✓	✓	✓	✓	✓
 Canada	Emissions Reduction Alberta (ERA)					✓	✓			
 Cyprus	Research and Innovation Foundation (RIF)	✓	✓	✓	✓	✓	✓	✓	✓	✓
 Czech	Technology Agency of the Czech Republic (TA)	✓	✓			✓	✓			

General information on the Application process

The CETPartnership Joint Call 2023 has **two parts**:

International Part (2-stages)

Stage 1

Submission of a **pre-proposal**: a project consortium chooses one Call Module for the pre-proposal. If the pre-proposal is selected, the project consortium is invited to submit a full proposal.

Stage 2

Submission of a **full proposal**, only if the pre-proposal is invited to participate in Stage 2.

National/Regional Part

All project partners will be evaluated according to national/regional eligibility criteria and requirements.

Some Funding Agencies require submission of a proposal on national/regional level. See the respective national/regional requirements for more information.

Application: key points

- 1 Submit via **CETPartnership Submission Platform** before **deadlines**, using **templates**
- 2 **>= 3 independent entities** applying for funding from **>= 3 countries participating in the call** (**>=2 EU Member States or HE Associated Countries**)
- 3 **Maximum 60%** of consortium effort (PMs) for a single partner
- 4 **Maximum 75%** of total project efforts (PMs) in one country/ region
- 5 Organisations **involved** in the CETPartnership are **ineligible** for proposal submission
- 6 Project start before **15 December 2024**
- 7 Project duration max. **36 months**
- 8 Proposal workplan must include work package called **Reporting and Knowledge Community**.

Draft Call text at <https://cetpartnership.eu/joint-call-2023-documents>

General information about the call

Call Calendar

Stage 1 Opening for pre-proposal submission

20/09/2023

Stage 1 Closing

22/11/2023, 14:00 CET

Stage 2 Opening for full-proposal submission

25/01/2024

Stage 2 Closing

27/03/2024, 14:00 CET

Funding decision communicated

June 2024

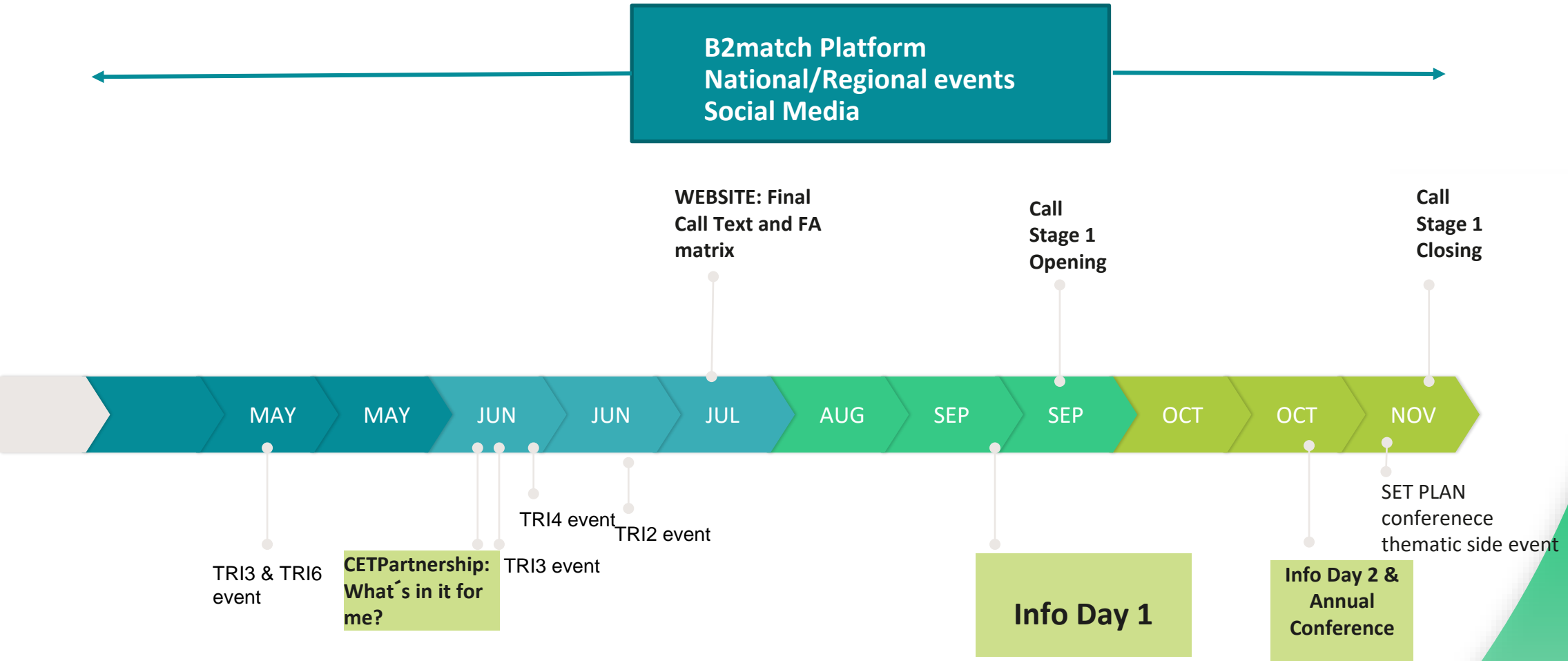
Project start (tentative)

September 2024

Application to national/regional
Funding Agencies

Consult specific Funding
Agency Annex.

Joint Call 2023 promotion timeline



“

Q&A

CETPartnership Event and Matchmaking Platform

- Event platform:
 - central events
 - thematic events (Joint Call 2023)
- Matchmaking
 - find and get in touch with
 - potential **project partners** for CETPartnership Joint Calls
 - TRI leaders
- Newsletter



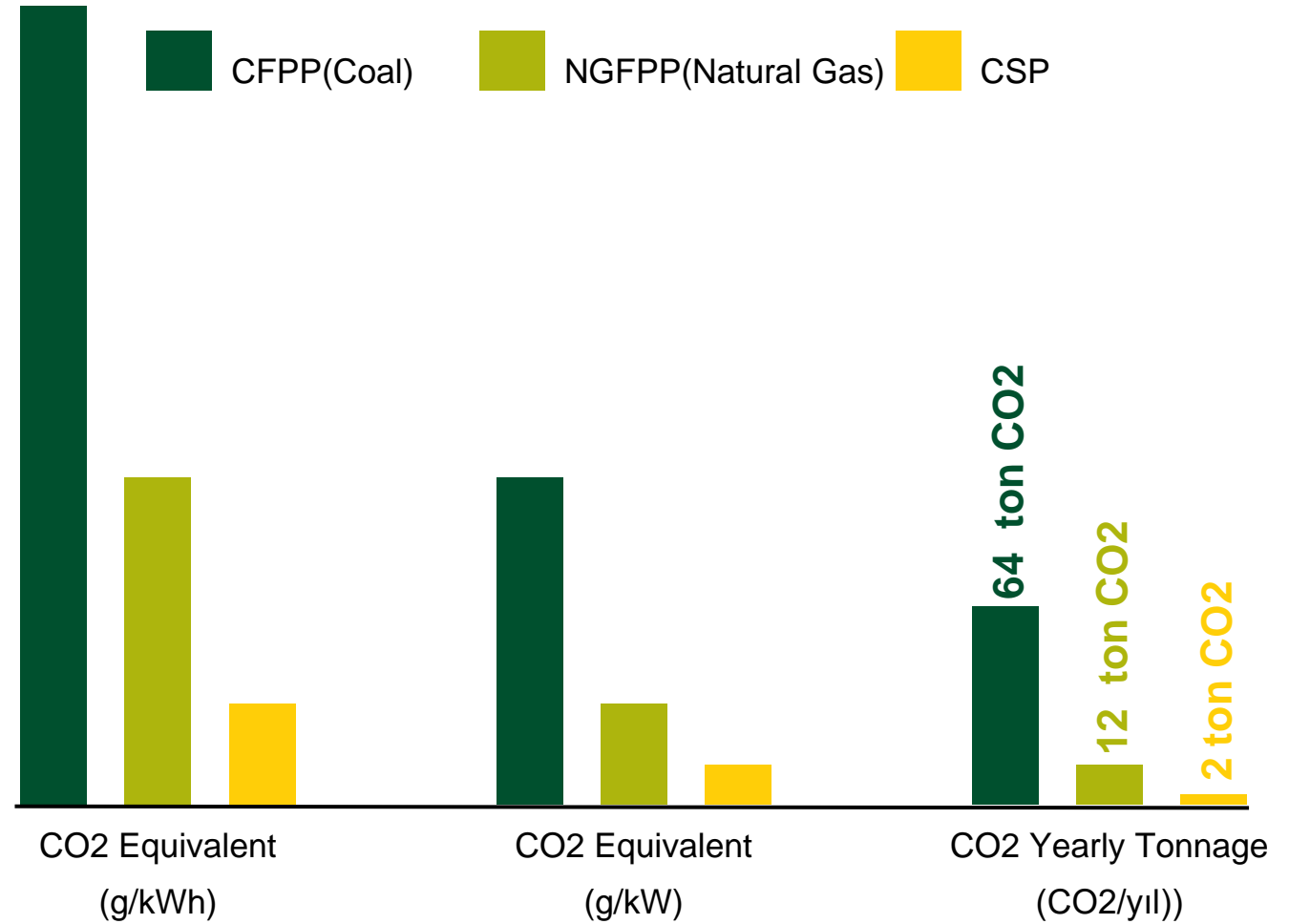
HelioSTEAM

Solar Steam for Industrial Process



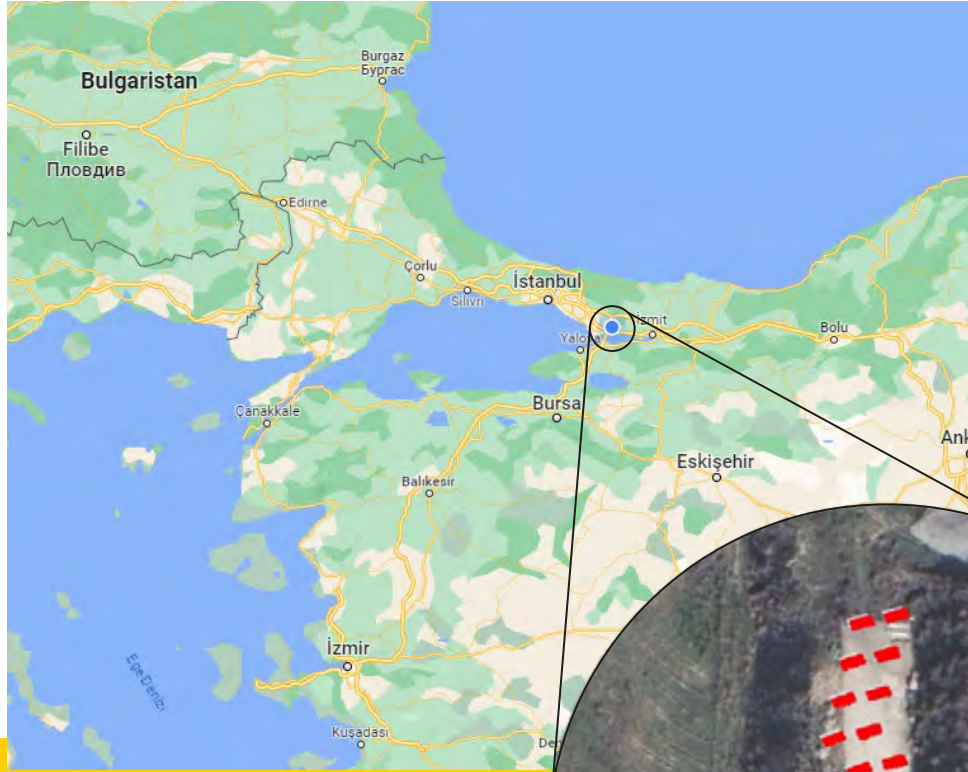
Designed for; Steam
@220°C-22 bar

Emission Comparison



Plant thermal installed energy: 200 kW

Annual working time: 2000 hours



HelioSTEAM
Project



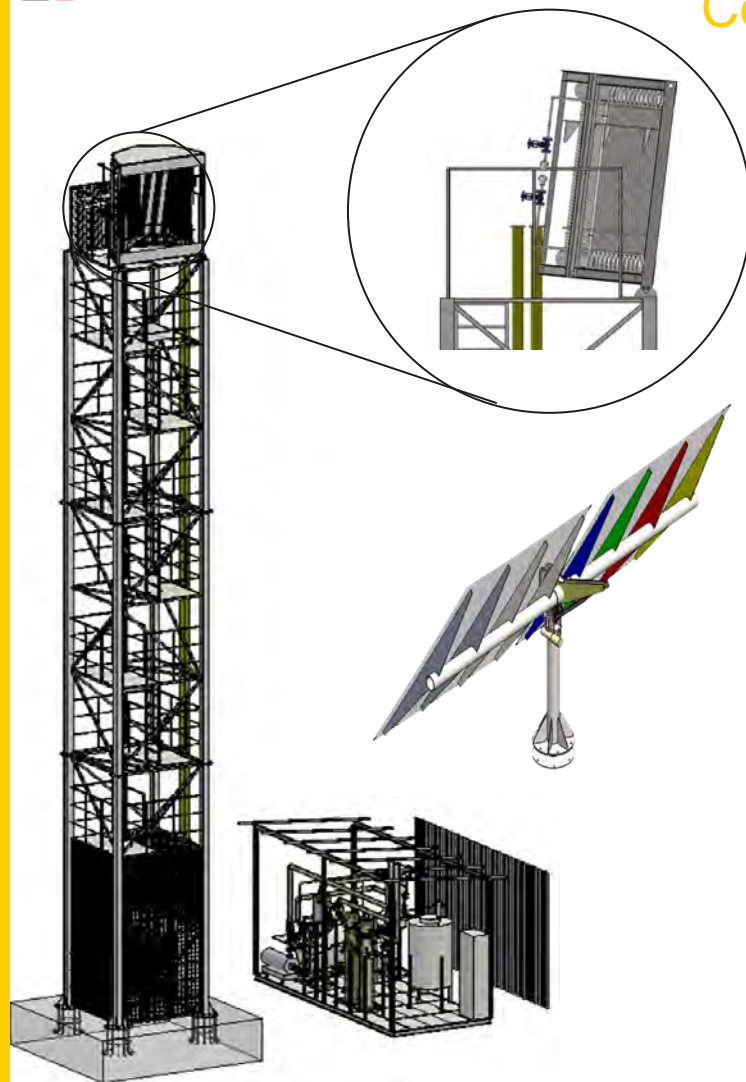
TÜBİTAK



Bilişim Vadisi
Layout



Concentrated Solar Thermal Experience



Design



Manufacturing



Installation

Designed for:
Steam @220°C- 22 Bar

Contact

Hamza KOYULMUŞ - R&D Engineer

+90 262 6465 222



info@heliosteam.eu



www.heliosteam.eu



Bilişim Valley, Türkiye



HELIOSTEAM



Co-funded by
the European Union

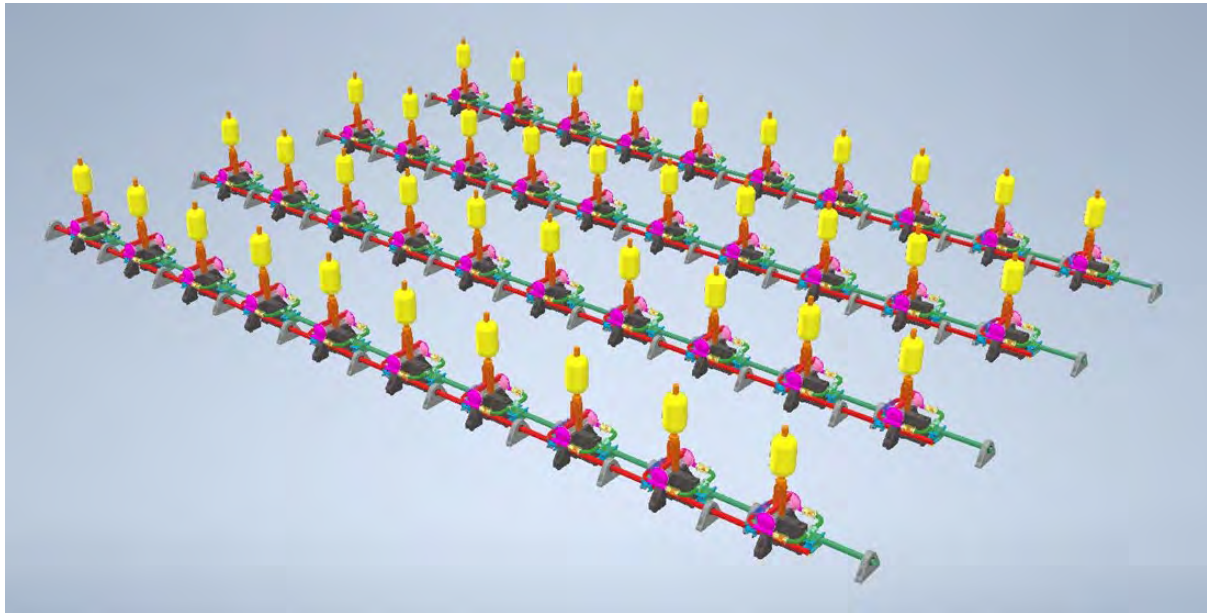


The KELP System Wave Energy Converter (WEC)

Generating Electricity from Sea Waves

KELP SYSTEM In Array

- The design was inspired by seaweed's motion and its ability to reduce CO2 from the atmosphere.
- It's extract energy from wave surges and the movement of water particles within them. The arm oscillates as a pendulum mounted on a pivoted joint in response to the movement of water in the waves.



What Challenges Are We Solving?

Rising Energy Prices, Energy Security, Reduce Carbon Emission & Creates Green Jobs

Broadening clean energy resources, facilitating energy storage, generating power on demand and offering affordable clean energy systems. e.g. low LCoE, by derisking technology development with modular design to suit a variety of conditions/energy needs per specific location

The solution we are offering!

Diversify Renewable Energy Resources, Energy Storage, and Affordable & Accessible to Remote Communities (e.g. coastal, islands)

Advancing Renewable Energy technologies for power production. Cost-efficiency, reliable and easy maintenance design.

It provides sustainable energy solutions, creates local green jobs and revitalises remote coastal communities, particularly in underserved areas.






Specific needs, state of consortium

Seaweed Energy Needs

- Hydro Turbine and Generator Specialist
- Marine Environmental and Ecosystem Consultant
- Metal and recycled material 3D Printing Expert (Marine Grade)
- Marine Structure Fabricator
- Marine Engineering & Installation Specialist

Current Consortium

- Marine Engineering Design Specialist (Scotland)

- Diving Consultant (Scotland)

- Computational Fluid Dynamics (UK)


Seaweed Energy Ltd

Ravi Narayanan, Director & Co-Founder

Julian Tomas, Director & Co-Founder

Aberdeen, Scotland

United Kingdom

✉ E-mail to Ravi@seaweed-energy.co.uk

✉ E-mail to Julek@seaweed-energy.co.uk





Oretronics

Renewable Energy & Energy
Efficiency
Technology

A03 Lithium Ferrous Phosphate Battery Production



Engr. Joseph O Orenaike
Founder

The Problem/Challenge



80 million people in Nigeria lack access to electricity.
Nigerian businesses spend almost \$14 billion (₦5 Trillion Naira) annually on inefficient generation that is expensive (\$0.40/kWh or ₦140 Naira/kWh or more).

Renewable/green sources such as Solar, Wind being intermittent in nature, and other applications such as e-mobility, require efficient viable energy storage.

High cost of storage

Short cycle life

These needs are met in Oretronics Technology Lithium Ferrous Phosphate batter packs production venture.

The Deal/Solution

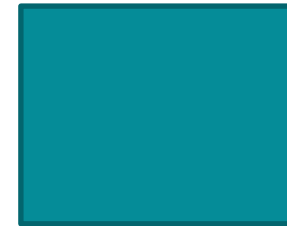


Lithium Ferrous Phosphate (LFP) Batteries
[Device]



₦800,800 {\$1,120} per (5.12KWh) unit

- Energy Storage}
- Renewable Energy} Applications
 - E-Mobility}



Oretronics Technology produces advanced professional & industrial grade Lithium Ferrous Phosphate Battery Packs, for Energy Storage and E-mobility applications here in Nigeria for the Nigeria-West African markets to enable Electricity Storage from Solar, Wind, Grid and other renewable or green sources.

Segmentation

₦795M
{\$1.1M}/year
39,750
customers



Beachhead Market

Ikeja Metropolitan Area, Lagos

1st 5 Years

₦400B
{\$560M}/year
5M
customers



Nigeria

2nd 5 Years

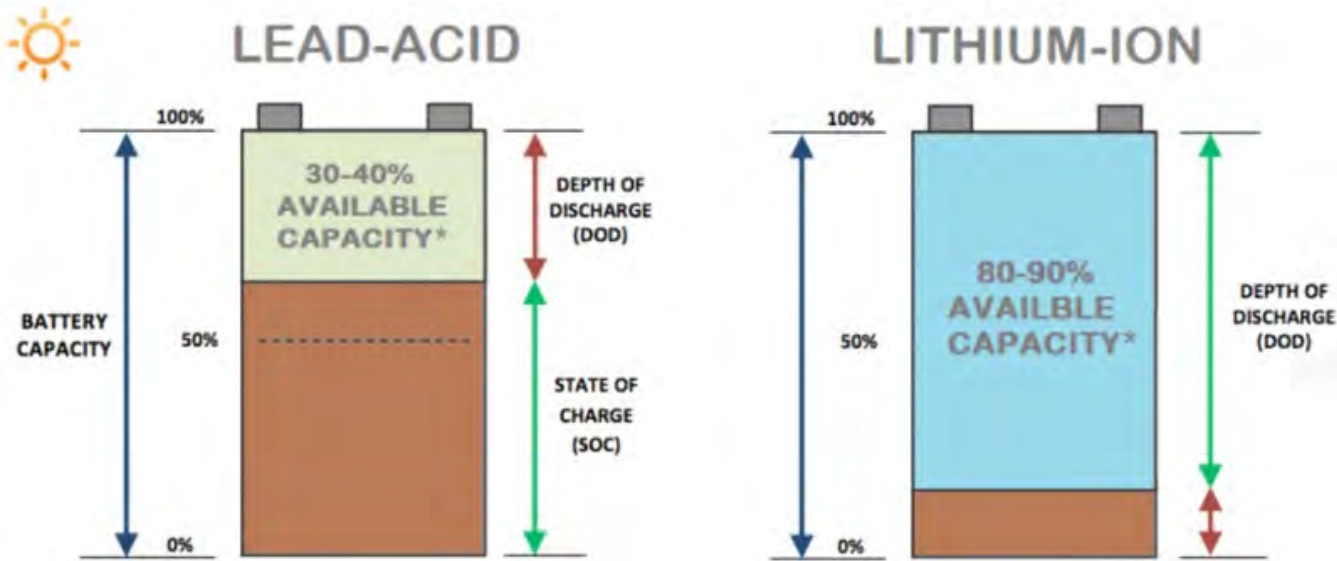
₦600B
{\$840}/year
7.5M
customers



West Africa

3rd 5 Years

Customer Value Proposition/ Competitive Advantage



- 50% Cost savings; Cost of Storage from grid vs generation from petrol; \$0.21 vs \$0.40/KWh. Lower total cost of ownership per KWh
- 10x longer cycle life from 4,000-6,000 @ 80% DoD @ 1C/1C vs 500 @ 80% DoD, 800 @ 55% DoD
- More usable capacity; Higher DoD 90% vs 55%
- Longer calendar life from 10-15 years vs 3 years
- Less weight & size; 4x Gravimetric Energy Density from 165-174Wh/Kg, 1C, 25°C
- Safest & most stable batteries on the market today. No explosion. No fire
- Maintenance free

Product Development Journey So Far (Nigeria)

Lithium Ferrous Phosphate (LFP) Battery Pack



X-S LFP Prismatic Cells



Enclosure



Electronics



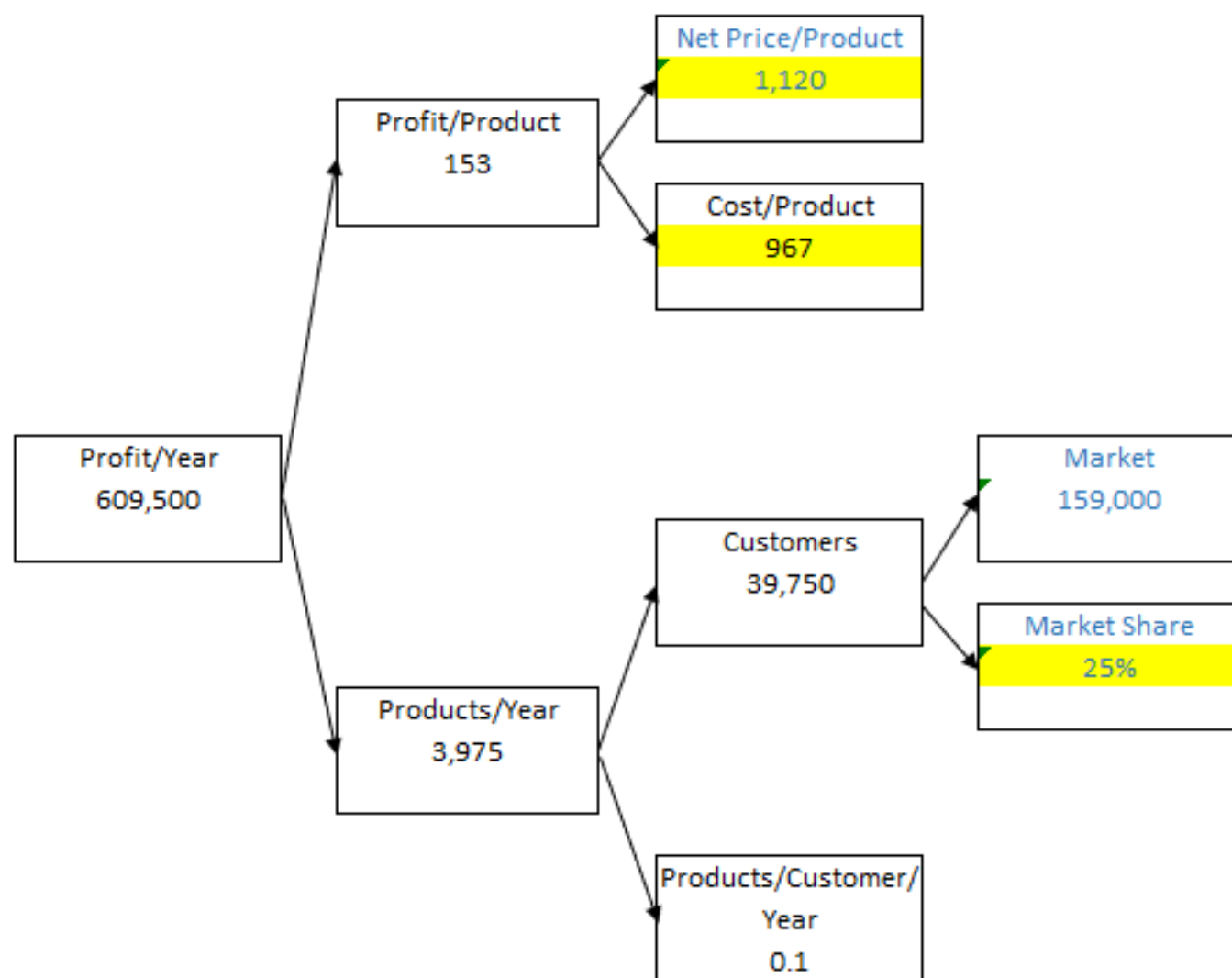
X-S Battery Pack Product

Product development stage

- Needs validation... done
- Inputs, supplies & machinery discussions & negotiations... ongoing
- Designs & product development... ongoing

Required

- Funding & development finance
- Piloting/Access to Markets
- Business & Market Development Support
- Machinery/Turnkey solution for in-country production lines & plant



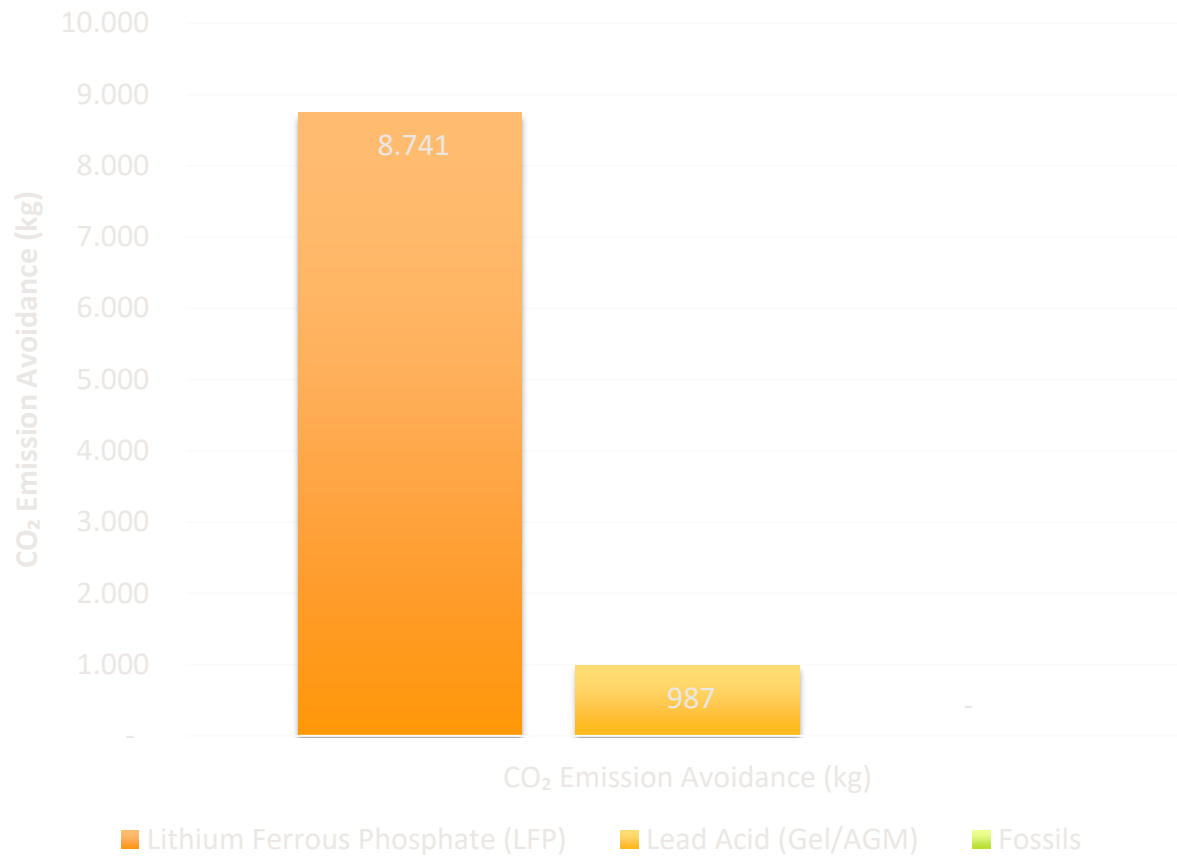
Key Driver 1: Cost/Product

Key Driver 2: Product Price

Key Driver 3: Market Share

Impact (Climate, Economic & Social)

Battery Lifetime CO₂ Emission Avoidance (Kg)

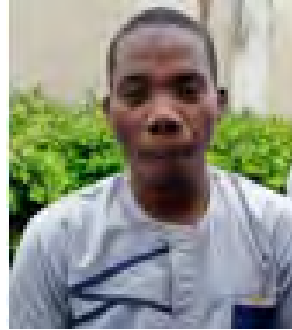


- End users will save in excess of ₦117 Billion (\$164M) in electricity generation avoidance from fossils during product lifetime, in the first 5 years
- GWP of 55 tonnes in the 1st 5 years
- Lithium Ferrous Phosphate batteries offer green, low carbon, environmental protection in contrast to other batteries, no matter the process of production, use & scrap.
- It does not contain any lead, mercury, cadmium and other toxic and harmful metal elements and chemicals, so there is no pollution
- UN SDG 1, 3, 4, 7, 8, 9, 11, 12 & 13

Team/Dream



Engr. Joseph O Orenaike
Founder/CEO
Electrical Engineer, MSEE



Abdulraheem Abioye
CTO
B.Sc. (Hons.): Engineering
Physics



Oluwakemi C Orenaike
Co-founder/ Marketing Lead
B.Sc. Marketing, Marketing
Guru

- To reduce the cost of electricity generation from fossils through avoidance by \$164M in the first 5 years
- To solve energy poverty, increase energy security, reduce the carbon footprint challenges in Nigeria by assembling 20,000 LFP batteries of 101MWh within 1st 5 years
- To achieve a revenue in excess of ₦795M {\$1.1M} per annum within 1st 5 years

Contact Details

Organization: **Oretronics Technology**

Email: OretronicsTechnology@gmail.com

Tel.: +234-813-863-9198

Presenter's Name & Position: **Engr. Joseph Olabode Orenaike, Founder**

<https://flutterwave.com/store/OretronicsTechnology>

<https://Oretronics-Technology.business.site/>

<https://www.linkedin.com/company/Oretronics-Technology>

https://twitter.com/Oretronics_Tech

<http://instagram.com/Oretronics.Technology>

<https://www.facebook.com/Oretronics-Technology-101680012465975/>

https://youtube.com/@Oretronics_Technology

Post Nuclear Electricity

A04_ Séraphin ABANDA BADOANA

Let's light up the world

Problem resolved / Challenge / Offer

Our patented process

1. Without any fossil resources; Without any damage to environment or human life. Our Patented process allows us to supply huge quantities of electric energy. No transforming to electric, We establish freely levels of expected production, the levels needed."

From 10 MWH To 17 GWH and so on.

Time has come to Change

2. To the main problem, "YES WE CAN produce enough energy to supply Europe, and respect the decarbonation 10 years sooner than target " ; We know that to Europe and the whole world, time has come for Change. Time has come, to usher in the era of post-nuclear electric power. With your help or support as partners.

Specific needs, state of consortium

- **Looking for**

We are looking for industrial turbo alternator manufacturers and electric motor builders to partner with. We offer licenses, for our mobile energy boxes; Designed with prototype. 50 KWH to 2,5 MWH For cars, industry. Then to focus on all-electric projects of civilian ships, planes, trains, submarines; Etc.

.

- **We are looking for Partners**

.

Whether you are an industrial operator or just a resale network, your support can enable development of sales. Show us your interest.”

Thank You for the interest in our project
Thank you so much

Green Electricity Europe SAS

Séraphin ABANDA BADOANA,

Managing Director, President

Inventor of the process

<https://www.greenelectricity.fr>

 gee.managing.director@gmail.com

NEAE-GSI Mini Wind Turbines

*mass distributed production of
renewable electricity & green hydrogen at low-cost*

Problem with Large Wind Turbines

- Permissions to install large Wind Turbines are slowed down by local authorities, for the complex assessments of its environmental & visual impacts.
- Large Wind Turbines have a significant price, limiting its acquisition by big energy companies, not single entities & individuals.

Solution with NEAE-GSI Mini Wind Turbines

- NEAE-GSI Mini Wind Turbines **[granted patent]** , with Concentrated Solar Photovoltaics integrated, are max 6 meters height and able to produce 20-30 KWh.
- It facilitates the acquisition by individuals and permissions by local authorities for Onshore installations almost everywhere, even in locations without grid connection.
- We want to build the prototypes of NEAE-GSI Mini Wind Power Turbines in 3 different sizes (6m, 4.5m, 1.5m) reaching TRL-6 after 8 months, next test & certify the prototypes in pilot Onshore locations.

Consortium partners & roles searched:

NEAE-GSI is based in Italy, expert in aeronautics, mechanics, electromagnetic fields, electrotechnics, electronics, fluid dynamics.

Type of partners searched	Roles
Universities & Research Centers	to handle early simulations / validations / certifications of NEAE-GSI Mini Wind Power Turbines Wind+Solar electricity production for a given Onshore location.
Countries, Regions, Municipalities, Energy Communities	to offer Onshore locations for pilot testing & certifications of NEAE-GSI Mini Wind Power Turbines Wind+Solar electricity production.
Companies in the wind &/or solar energy sector	for joint ventures, as well as for Onshore locations for pilot testing & certifications of NEAE-GSI Mini Wind Power Turbines Wind+Solar electricity production.

We welcome partners willing to invest
and take shares
in the patent NEAE-GSI Mini Wind Power Turbines

New Electric Aircraft Engines-GSI (NEAE-GSI)

Contacts:

eng. RODOLPHE SEQUEIRA (presenter)

NEAE-GSI Business, Market and Finance Development

Tel: +39 346 01 59 101

 rodolphe.sequeira@posteo.net

eng. GERARDO IMPERATORE

NEAE-GSI CEO and Patent Owner

 info@neae-gsi.com

Data-driven Transfer-Learning- Based Reliability Assessment of Power Converters in Renewables

When data meets the renewables

DR. Irfan A. Khan

TEXAS A&M UNIVERSITY

Problem – 1: Smaller Footprint Vs Reliability Paradox

Unscheduled failure events of power converters are a major cost component in renewables. With the advent of high-frequency operated new-age power converters integrating renewables/battery storage to the grid, the reliability threat of their failure is looming large.

Problem – 2: Reliability Assessment Vs Data Scarcity

To improve their reliability, data-driven models can be developed. However, the available field data on power converter failures in renewables mostly consists of traditional power converters. The field data of these new-age power converters is scarce and mostly insufficient to develop/train/test data-driven reliability assessment and improvement models.

Solution:

To address this bottleneck, my team is currently working on a path-breaking concept of using traditional field data and combining it with simulation/hardware results of new-age power converters to develop and train a health diagnostic and prognosis system. The innovative concept of transfer learning will be implemented here.

Looking for Collaboration

- **Power Converters in Renewables**

Corporates and Academic Institutions working in the power converter technology or AI-driven technologies.

Potential collaboration to explore more about renewables, data-driven modeling, and novel power converter topologies.

- **Reliability Assessment of Energy Systems**

Leveraging the transfer-learning-based prognostic technology essentially needs expertise in the field of reliability assessment.

This technology can be leveraged for other applications such as offshore wind farms, marine vessels, and electric vehicles

This transfer-learning-based reliability assessment has great potential to enable large-scale renewable adoption. Let's replace components before failure and keep smiling.

Organization

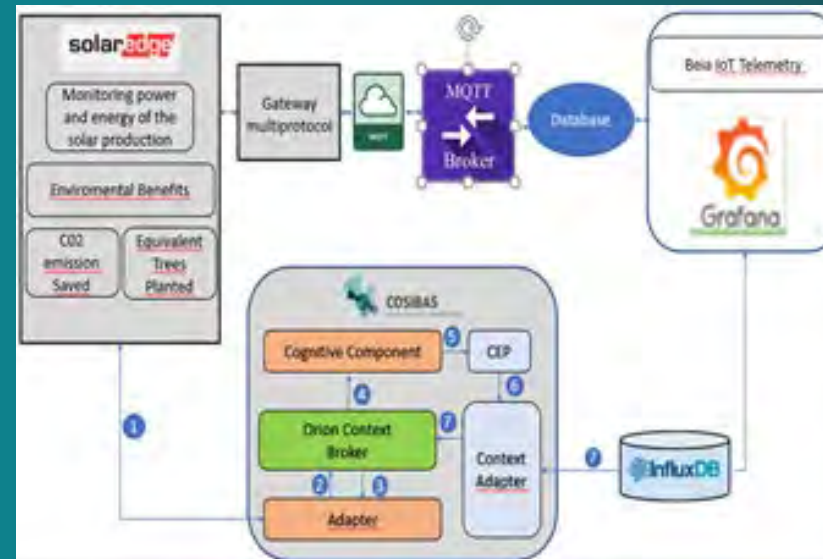
DR. IRFAN A. KHAN
ASSISTANT PROFESSOR,
TEXAS A&M UNIVERSITY

✉ Email: irfankhan@tamu.edu



BEIA - Looking for project collaborations, developing telemetry and ICT solutions

TRI2



Organisational profile

- BEIA (SME) founded in 1991, team of **100 people**, with offices in **Austria, Belgium, Romania**
- R&D performing SME with focus on time critical Artificial Internet of Things (AIoT) and a team with experience in R&D service innovation (AI, blockchain, cloud, big data, quantum security), hardware (sensors, actuators, IoT), information technologies (data analytics, back end, interfaces, front end), integration (software/hardware), **energy efficiency** (integration of PV, monitoring HVAC, light, smart power plugs, location based services using beacons, digital signage using ePaper), communication/ dissemination/marketing, project management.
- Over 8000 commercial projects and over **100 R&D and Innovation projects** (Horizon, Eureka/Eurostars, ERA-Net, Erasmus, Interreg, LIFE, etc.): <http://www.beia.eu>



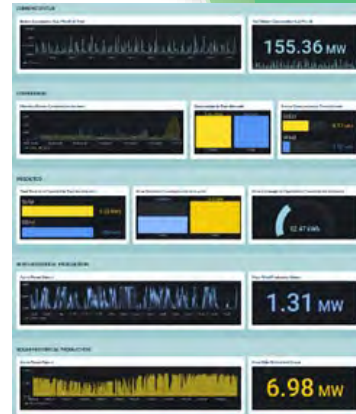
Challenge and Offer

Challenge

- BEIA is looking for partners to join with experience from IoT projects for smart renewable energy, including solar/PV (MICALL19 AISTOR, MICALL20 FinSESCo, SealedGrid, TESTBED2, Power2SME, CitiSim, HUBCAP, Arrowhead Tools, TELE-GREEN, EV-BAT, Hibrivolt, SEDCC, Hydro3D, COSIBAS, BENTRADE, MULTISCALE, MULTISCALE, BLOW, Exploit4Innomat, etc)

Offer

- Smart grid/PV/EV systems in living lab with 300 solar panels, inverters, smart energy storage in batteries using AI, smart circuit breakers, wind turbine, heat pump, hydrogen fuel cells, micro hydropower plant, hybrid/EV super-fast chargers & vehicles, ETS smart contracts based on blockchain, collaboration with DSO/TSO and SG/RES/ESS, EV/PV stakeholders
- ICT/IoT testbeds for telemetry in the field of **geothermal** (monitoring of carbon footprint and impact on water, soil and air quality), **hydro energy** (tele-monitoring of level and flow, agri-photovoltaics), **solar energy** (measurement of solar radiation in photo-voltaic parks, forecasting of energy production according to meteorology sensors, monitoring inverters), **offshore wind** (floating turbine, telemetry of environmental meteorological and structural parameters).



Specific needs

- **We are looking for partners who**
 1. aim to drive innovative technologies to the market
 2. have profound experiences with leading large-scale projects
 3. have a wide circle of partners around Europe
 4. have core competencies in the RES domain

Beia Consult International

George Suciu, R&D and Innovation Manager

Peroni 16, Sector 4, Bucharest, 041386, ROMANIA

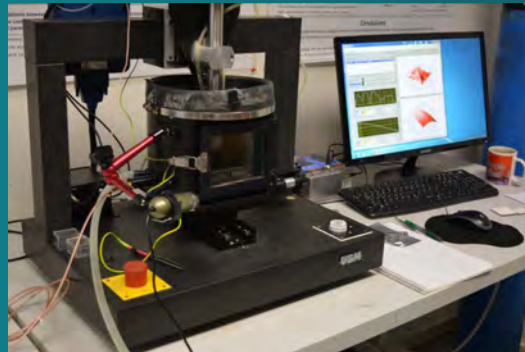
Absberggasse 29/1, 1100 Vienna, AUSTRIA

Rue Montoyer23/4ET 1000 Brussels & TECHNOLOGIEPARK-ZWIJNAARDE 112 BOITE
AA TOREN 9052 Ghent, BELGIUM

✉ Contact: george@beia.eu
Phone: +4021 332 30 06
Mobile: +40 744 914 798
Fax: +4021 332 30 05
Website: www.beia.eu



Material validation for advanced renewable energy



Target topics and offers (CM2023-03A/03B)

Bioenergy for power generation

Testing and validation of advanced materials for the optimisation of power generation and carbon capture.

Ocean energy & Offshore renewable

Validation of new materials for moorings, foundations, floating substructures, components and cables, with a focus on corrosion and biofouling management.

Expertise and capabilities

A leading corrosion center with strong expertise in material degradation

From our three European centres, we can provide solutions to various corrosion problems (including damage analysis, testing, modeling and monitoring).

Laboratory testing and analysis facilities

Electrochemical testing, permeation testing, accelerated corrosion tests, corrosion under stress, corrosion fatigue, exposure in natural or treated seawater, seawater in autoclaves, climatic and corrosive gas chambers, on-line sensing, advanced material analytical techniques, ...

Seawater stations in the Atlantic Ocean and in the North Sea (@RI.SE)

Monitoring of environmental parameters, open sea and costal field exposures, coupons and on-line sensing in anchored lines, full-scale demonstrators.

By providing expertise and facilities in material testing and validation, we support the development of new sustainable materials that are needed to deliver advanced renewable energy.

WSense Internet of Underwater Things

The Ocean is the limit

The Opportunity



70%

of our planet is covered by water, absorbing over 30% of the CO2 from the atmosphere

Strategic Assets Currently Deployed In Our Oceans



100M tons
aquaculture
per year



12k
Offshore
platform



43k*
Offshore
Wind farms



1,2M Km
Underwater
Cable



17k
Marine
reserve

* by 2030



NO REAL TIME CONTROL AND MONITORING OF THE
ACTIVITIES HAPPENING UNDER THE SEAS

80% of the Ocean remains unexplored



Lack of underwater real time data generates a **huge knowledge gap** and might lead to uncontrolled adverse phenomena and impact



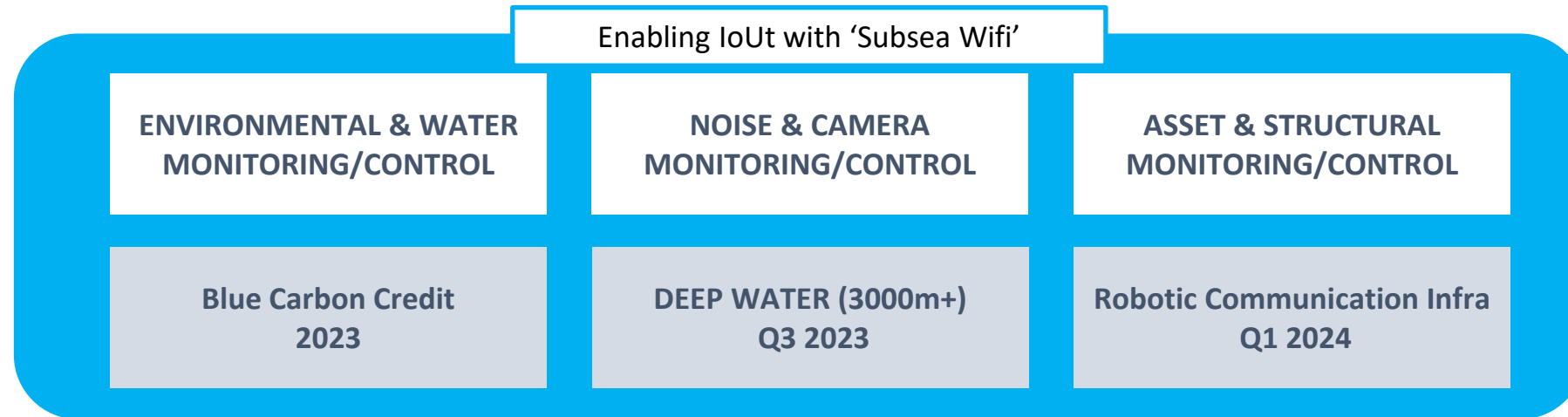
Satellite technologies provide only low-depth information: they need **calibration with real time data from the ocean**



NEW MARKET TO ENABLE

WSense SOLUTIONS

Underwater wireless Mesh networks (***patented***), multimodal (acoustical/optical) enabling Internet of Underwater Things (ioUt)



MAIN
FEATURES



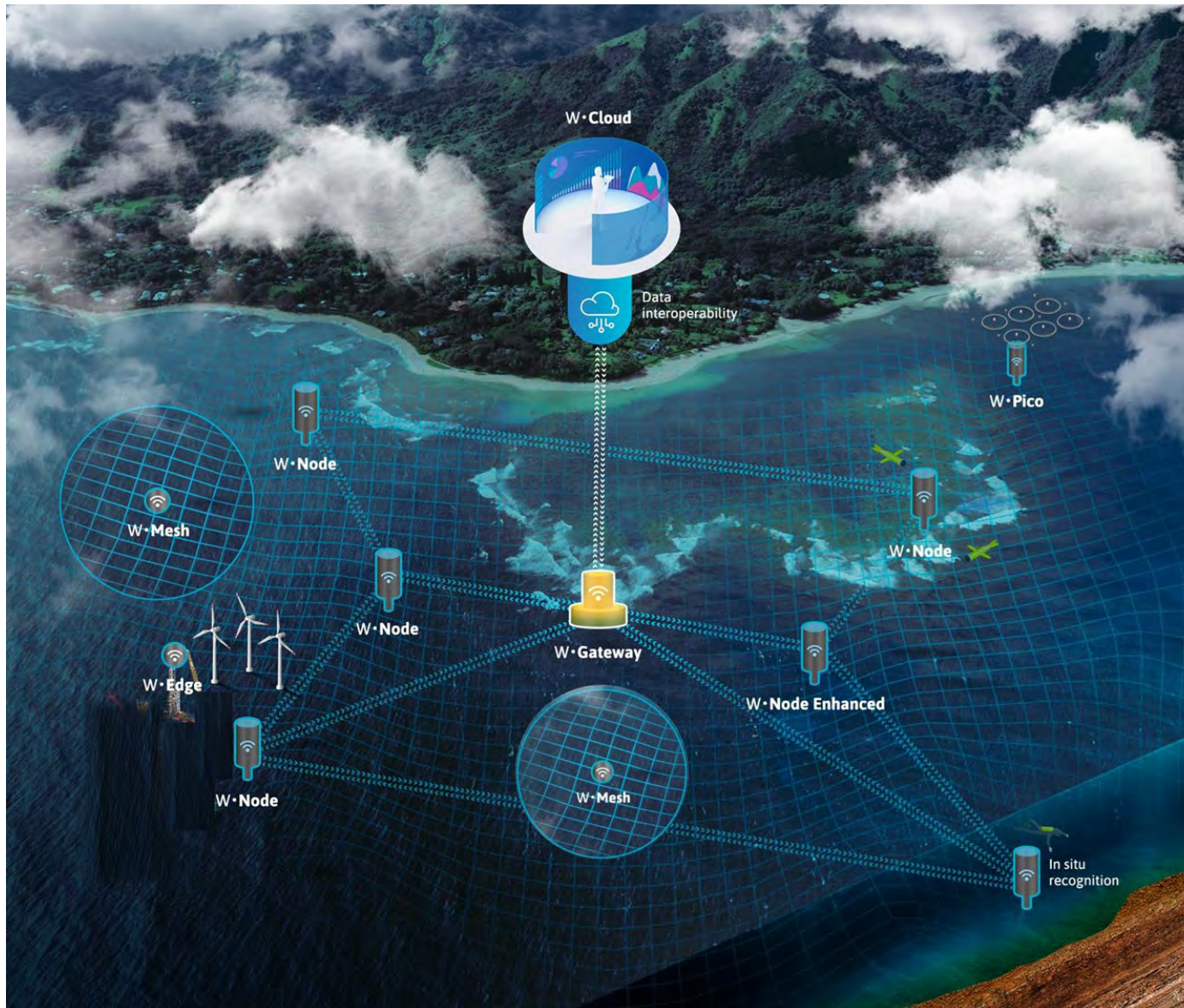
Real time
Bidirectional
communication

Easy integration
to any vendor's
sensors and
devices

Interoperability
and long-lasting
autonomy
(years)

Cost
effectiveness

What We Offer



W-Cloud: highly customizable cloud-based data collection and visualization platform for data analytics



W-Gateway: bridge between underwater and terrestrial networks



W-Mesh: patented multi protocol underwater adaptive networking & multivendor interoperability layer for wireless data reliability and security



W-Node: underwater multi-sensor node with acoustic modem for shallow water



W-Node Enhanced: underwater multi Sensor node for Deep water and onboarded AI

WSense

Michele Nati, Phd,
Director of Research and Innovation Projects

<https://wsense.it/>

✉ E-mail to michele.nati@wsense.it

COMPANY KEY FACTS

- **Headquarters:** Rome, Italy
- **Commercial Operations:** since 2017
- **Business description:** deep-tech company, born as a spinoff of Sapienza University in Rome, specialized in underwater monitoring and communication systems, based on patented technologies that have pioneered the enablement of the **Internet of Underwater Things (IoUT)**. WSense's technologies are at the forefront of underwater wireless networking, enabling multi-modal secure wireless communications and networking among submerged and surface sensing and robotic platforms.
- **Number of FTEs:** 50+ people located mainly in Italy and Norway

OFFICES



KEY VERTICALS AND SOLUTIONS

Key verticals: Energy, Oil & Gas, Offshore Renewables, Critical Infrastructure and Environmental Monitoring



Key solutions include:

- **Underwater Wireless Network Infrastructure** (design, deployment and management of nodes and gateways, Underwater Network Robotic Systems)
- **Cloud Monitoring Platform and Dashboard** for real time gathering and visualization of data
- **System Integration** of 3rd party sensors and or other devices/systems

CUSTOMERS & PARTNERS



Energy efficiency & Cultural Heritage

IG THS for Developing and Demonstrating solutions

26 June 2023 CET presentation DI Robert Link



Photo: Courtesy R DI Robert Link

Problem/Challenge/Offer

Coloured photovoltaics

As cultural heritage building, the Terraced Housing Estate (THS) has to consider (colours orange, gray, transparent etc.) of conservation authorities when applying photovoltaics. Current coloured PV has dramatically reduced efficiency (due to physical limitations of technology) whilst being up to five times more expensive.

Offer TRI2 and keywords (Austria is not funding TRI2; status as associated or self-funded partner tbc)

As community of interest (IG THS) we offer a test-bed for sizeable pilots in different TRLs developing new technological approaches:

Keywords: Social partner, need owner, NGO, impact, potential buyer, societal aspects, social acceptability, affordability, New European Bauhaus, stakeholder engagement, co-creation, Open Science, Open Innovation, security, privacy, resilience, validation in operational environment, market replication, regulatory regimes, fair, just democratic transition, end-user requirements, end-use systems, prosumer, TRI7 (overlap, tbd).

Specific needs, state of consortium

- **Coloured PV targets
(compared with state of
the art, “non-colored
PV”)**

- ✓ >90% PV-efficiency
- ✓ max 110% of costs
- ✓ Accepted by Austrian Conservation Authority (invitation in Advisory Board)
- ✓ Consumption data, etc. available

- **Consortium (tbd)**

- ✓ Non-funded partner IG THS
- ✓ Austrian partners needed for integration and support (tbc with sub-contracts)
- ✓ Additional partners if needed can be invited by us (including from the funded countries): Public Authorities (City of Graz, Federal Conservation Authority), interdisciplinary academia STEM and SSH, Energy Efficiency Community as prosumer, etc.



We are a reliable partner with project experience and visibility in research, innovation and practice

PV-Anlagen
Terrassenhaussiedlung

Eigentümerversammlung
28.09.2022





Organization IG THS (lead Dr. W. Himmel)

We represent THS, a terraced housing estate as cultural heritage with 531 apartments and 650 (co-)owners/1600 residents. The building-complex was erected 1972-78 as demonstrator for innovation in the building sector. www.terrassenhaus.at. We have experience in projects and co-creation since the late 1970's. Our residents span over a plethora of professions, including architects, social experts, project managers, regional development experts. We are the largest owner-administration unit in Austria.

Dipl.-Ing. Robert Link, Sustainability representative

IG THS (Community of Interest Terraced Housing Estate,
Working Group Sustainability)

www.terrassenhaus.at



E-mail to robert.link@gmx.at

EMEC

PIONEERING THE TRANSITION TO A CLEAN ENERGY FUTURE

Not-for-profit innovation catalyst
reducing the time, cost and risk
to progress low carbon technology to market



Project demonstration location



Co-funded by
the European Union

- 1 Fall of Warness**
Grid-connected tidal test site
- 2 Billia Croo**
Grid-connected wave test site
- 3 Shapinsay Sound**
Scale tidal test site
- 4 Scapa Flow**
Scale wave test site
- 5 Floating Wind**
Grid-connected floating wind test site (planned)

- 6 **Caldale**
Hydrogen production and storage plant
Vanadium flow batteries
- 7 **Kirkwall Pier**
Fuel cell
- 8 **Kirkwall Airport**
Combined heat and power unit (CHP)

9 **Stromness**
Headquarters

10 **Kirkwall**
Satellite office

- 11 **Kirkwall Airport**
Sustainable Aviation Test Environment (SATE)
- 12 **Hatston**
ReFLEX Orkney – Experience Centre
- 13 **ICNZ**
Islands Centre for Net Zero
- 14 **West of Orkney Windfarm**
- 15 **Flotta Hydrogen Hub**



Specific opportunities:

CM2023-01 Direct current (DC) technologies for power networks

- Potential to use Orkney as an “Energy Island” follower community

CM2023-02 Energy system flexibility: renewables production, storage and system integration

- 1.8MWh flow battery + H2 storage, Active Network Management, high VRE system

CM2023-03A/B Advanced renewable energy technologies for power production

- Ocean energy technologies, offshore renewable technologies, site integration

CM2023-04 Carbon capture, utilisation, and storage (CCUS)

- Direct Air Capture technology trials (linked to synthetic fuel production)

CM2023-05 Hydrogen and renewable fuels

- H2 tech trials, synthetic fuels, end users, cross cutting

CM2023-08 Integrated regional energy systems

- Islands Centre for Net Zero

EMEC



E-mail to Matthew.Finn@emec.org.uk

Your exploitation partner in Horizon Europe

Dr. Péter Mogyorósi
LC Innoconsult

Actions to maximise impact

Our services contribute to the:

- **Social impact and**
- **Business impact**

of Horizon Europe projects regardless of the sector or the specific call.

We are ready to cooperate in the development of

- **Non-technical work packages and**
- **Section 2.2.**

for project proposals.

Key player in the field of Exploitation

Knowledge management

- Background IP
- FTO
- IP strategy
- IP Ownership

Communication and Dissemination

- D&C guideline and plan
- Raising public awareness
- Disseminating the generated knowledge

Exploitation

- Commercialization roadmap
- Business model
- Business plan
- Risk analysis

Monitoring innovation

- Market analysis
- Techno economic feasibility study
- Responsible Research and Innovation

References

Project partner

- **4 H2020** – 3 of them WP leaders
- **2 BBI** – 1 of them WP leaders
- **3 HEU** – 2 of them WP leaders

External service provider

- 40 FP7 and H2020 projects (ESICII, CEB, SSERR)
- 30+ H2020 projects as Horizon Results Booster experts

**We are ready to be your partner for
non-technical tasks.**

LC Innoconsult International

Laser Consult Kft.

Dr. Péter Mogyorósi, CEO

+36 30 978 4215

www.lcinnoconsult.com



mogyorosi.peter@lcinnoconsult.com

lcinnoconsult@lcinnoconsult.com





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Fraunhofer IWES – Research in Wind Ennergy and more

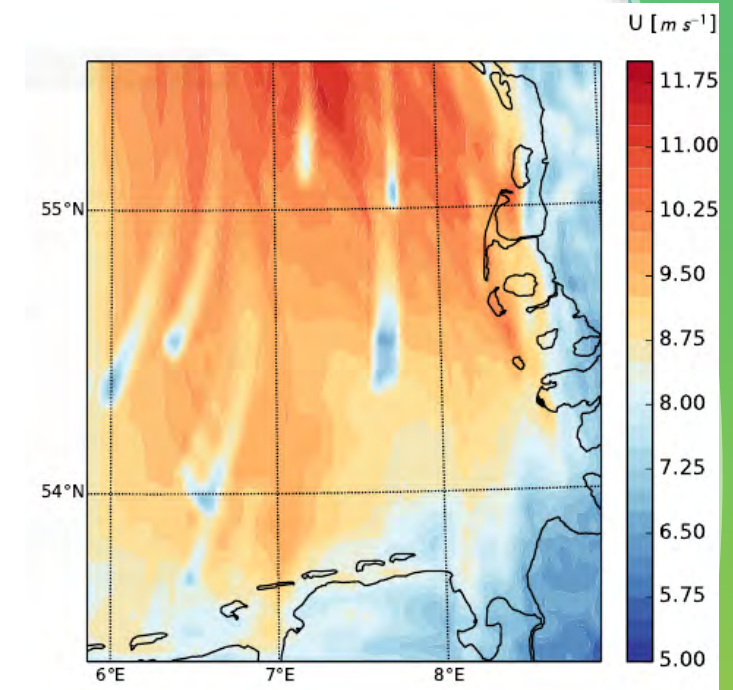
Bernhard Stoevesandt, Martin Dörenkämper, Lukas Vollmer

26.06.2023 | CET Pitch

Large-Scale Wake Effects

GigaWatt-Scale Wind Farms

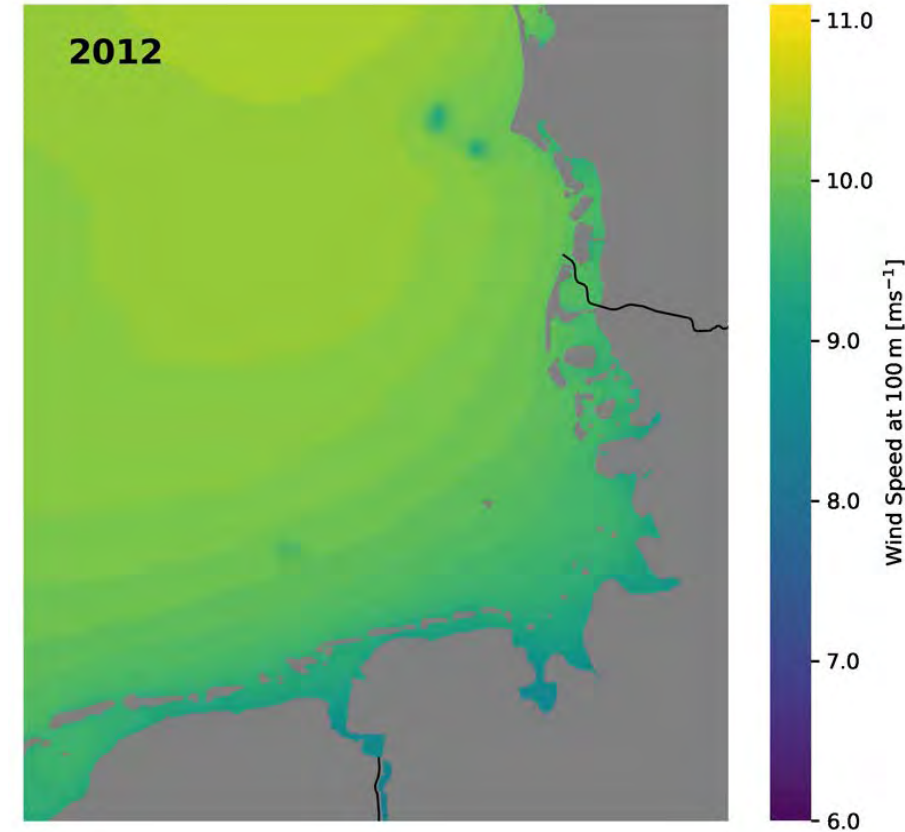
- ↪ Wind energy depends on wind. The turbines influence the wind
- ↪ Large scale wind farms lead to long-lasting wake effects that can last over distances of tens of kilometers
- ↪ Requires treatment with well validated models
- ↪ Future scenarios can be evaluated to estimate development of future wind resource



Large-Scale Wake Effects

GigaWatt-Scale Wind Farms

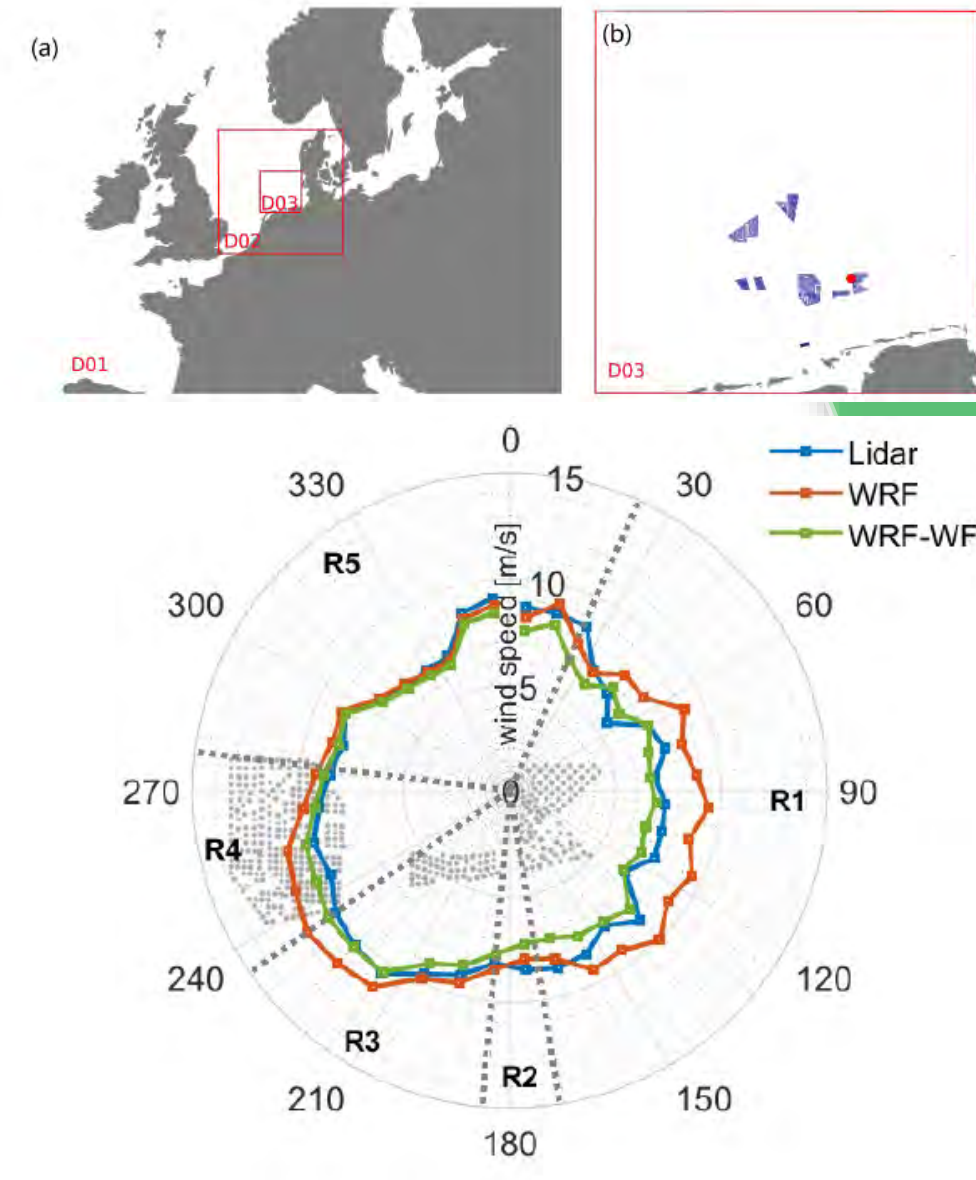
- ↪ Large scale wind farms lead to long-lasting wake effects that can last over distances of tens of kilometers
- ↪ Requires treatment with well validated models
- ↪ Future scenarios can be evaluated to estimate development of future wind resource



Large-Scale Effects Validation

Scanning Lidar Campaign

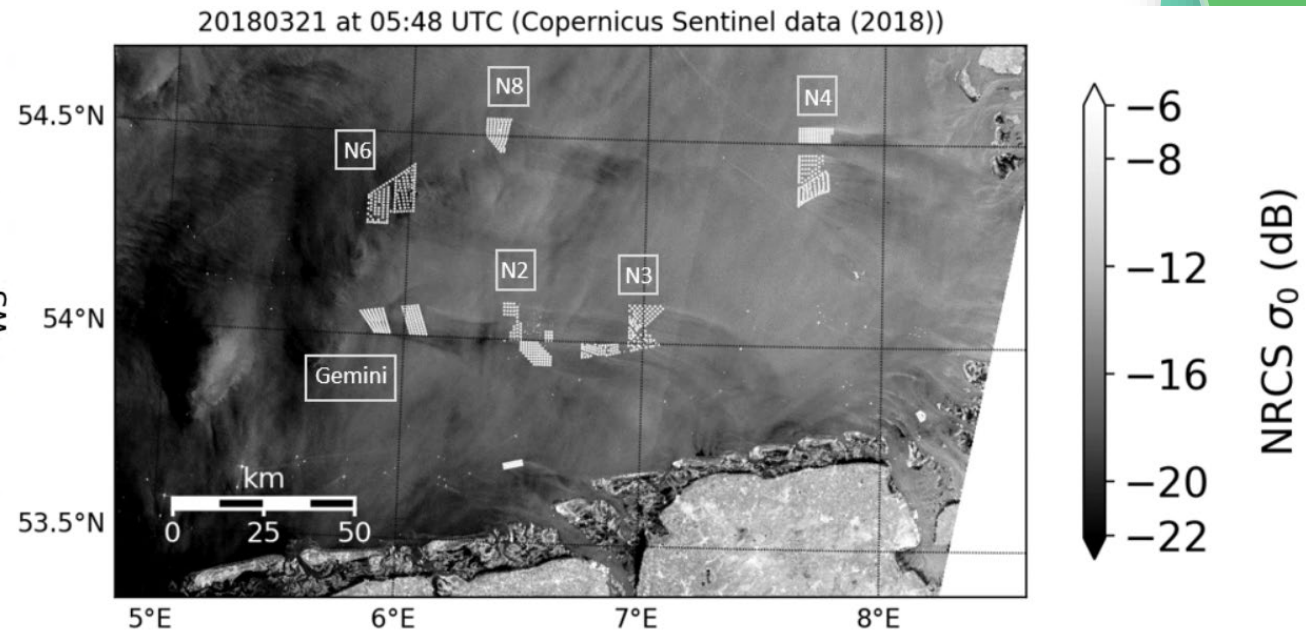
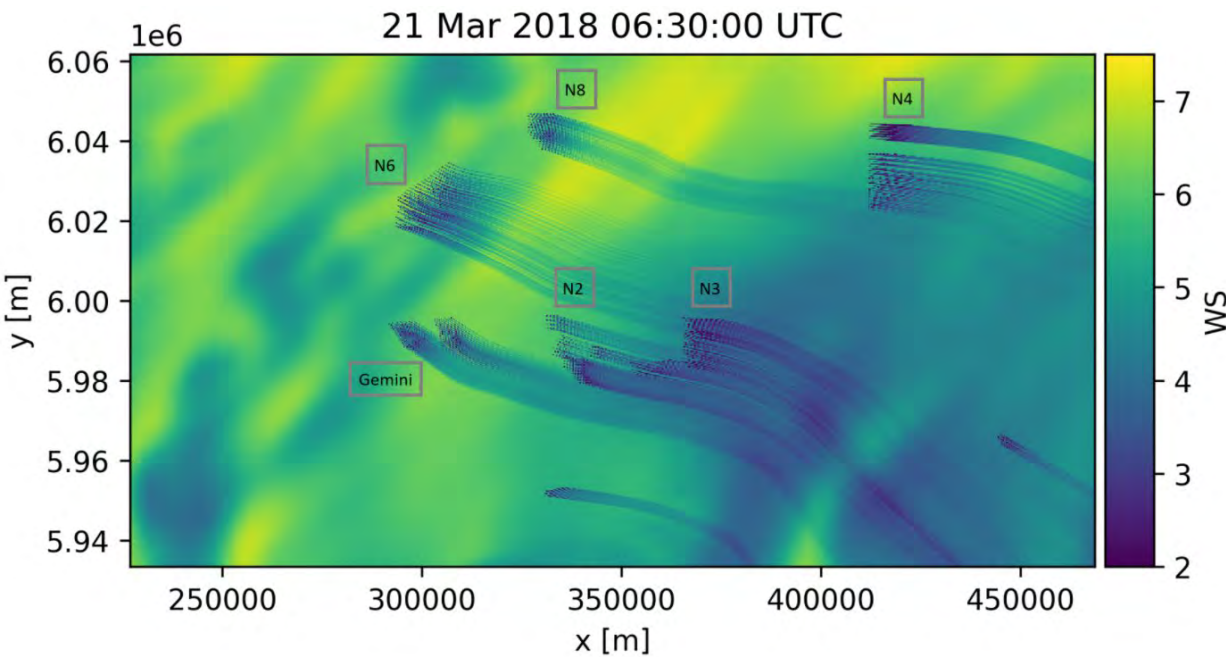
- ↪ X-Wakes – Measurement Campaign in Wind Farm GodeWind
- ↪ Period: 5 Months – Spring to Fall 2020
- ↪ Mesoscale Calculation:
 - ↪ **Red:** Without wind farm model
 - ↪ **Green:** With wind farm model
- ↪ Very good agreement between measurement and model
- ↪ Difference in average 2 % in wind speed
- ↪ **Model is accurate and well suited for assessment**



[Canadillas et al., 2021 – in preparation]

Atmospheric Effects of Large Scale Wake

GigaWatt-Scale Wind Farms

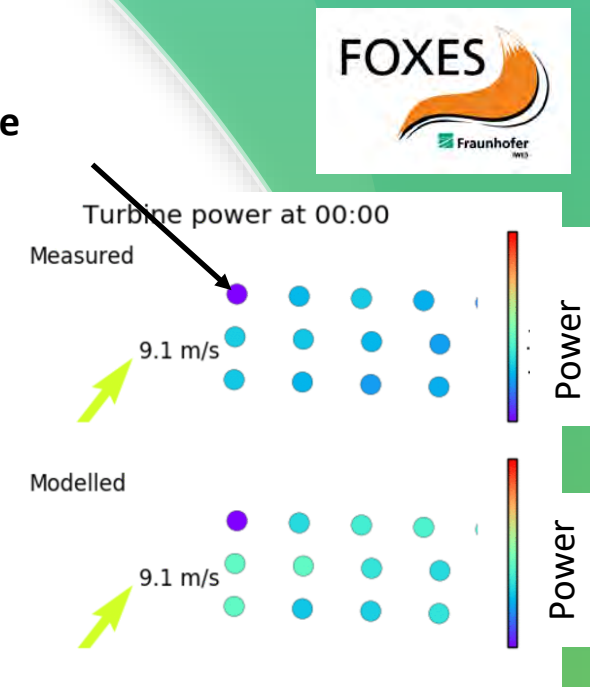


What we are looking for

Project Partners for more ...

- ↖ Wind is the base for wind energy
- ↖ We calculate the wind for wind farms on many different scales
- ↖ We look for partners, who do similar things or are interested in improvements of this
- ↖ This is true for all scales (from small scale aerodynamics up to global wind models – you know something, we are happy)

Not Available



Thanks a lot for your attention!

bernhard.stoevesandt@iwes.fraunhofer.de



Acknowledgements

Fraunhofer IWES is funded by:

Federal Republic of Germany

Federal Ministry for Economic Affairs and Energy

Federal Ministry of Education and Research

European Regional Development Fund (ERDF):

Federal State of Bremen

- Senator of Climate Protection, Environment, Mobility, Urban Development and Housing
- Senator of Economics, Labour and European Affairs
- Senator of Science and Ports
- Senator of Health, Women and Consumer Protection
- Bremerhavener Gesellschaft für Investitionsförderung und Stadtentwicklung mbH

Federal State of Lower Saxony

Free and Hanseatic City of Hamburg

Supported by:



Federal Ministry
for Economic Affairs
and Climate Action



Federal Ministry
of Education
and Research

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on the basis of a decision
by the German Bundestag



European Union
Investing in Bremen's Future
European Regional
Development Fund



Niedersachsen



Hamburg



Co-funded by
the European Union

CLEAN ENERGY TRANSITION PARTNERSHIP - A transnational initiative for clean energy

The CETPartnership enables more than **50 national and regional RTDI programme owners** and managers from **30 European and non-European countries** to align their research and innovation priorities, pool national budgets and launch Joint Calls annually until 2027.



<https://cetpartnership.eu>



<https://www.linkedin.com/company/cetpartnership/>



[https://twitter.com/CET Partnership](https://twitter.com/CET_Partnership)



<https://www.youtube.com/@cetpartnership>

CETPartnership Event and Matchmaking Platform

- Event platform:
 - central events
 - thematic events (Joint Call 2023)
- Matchmaking
 - find and get in touch with
 - potential **project partners** for CETPartnership Joint Calls
 - TRI leaders
- Newsletter



JOIN THE COMMUNITY



EVENTS
PROJECT MATCHMAKING
NEWSLETTER

bit.ly/CETPartnershipMatchmaking

Thank you

TRI2@cetpartnership.eu

callmanagement@cetpartnership.eu