

Implementation Working Group on Wind Energy

Kick-off meeting
16 January 2023

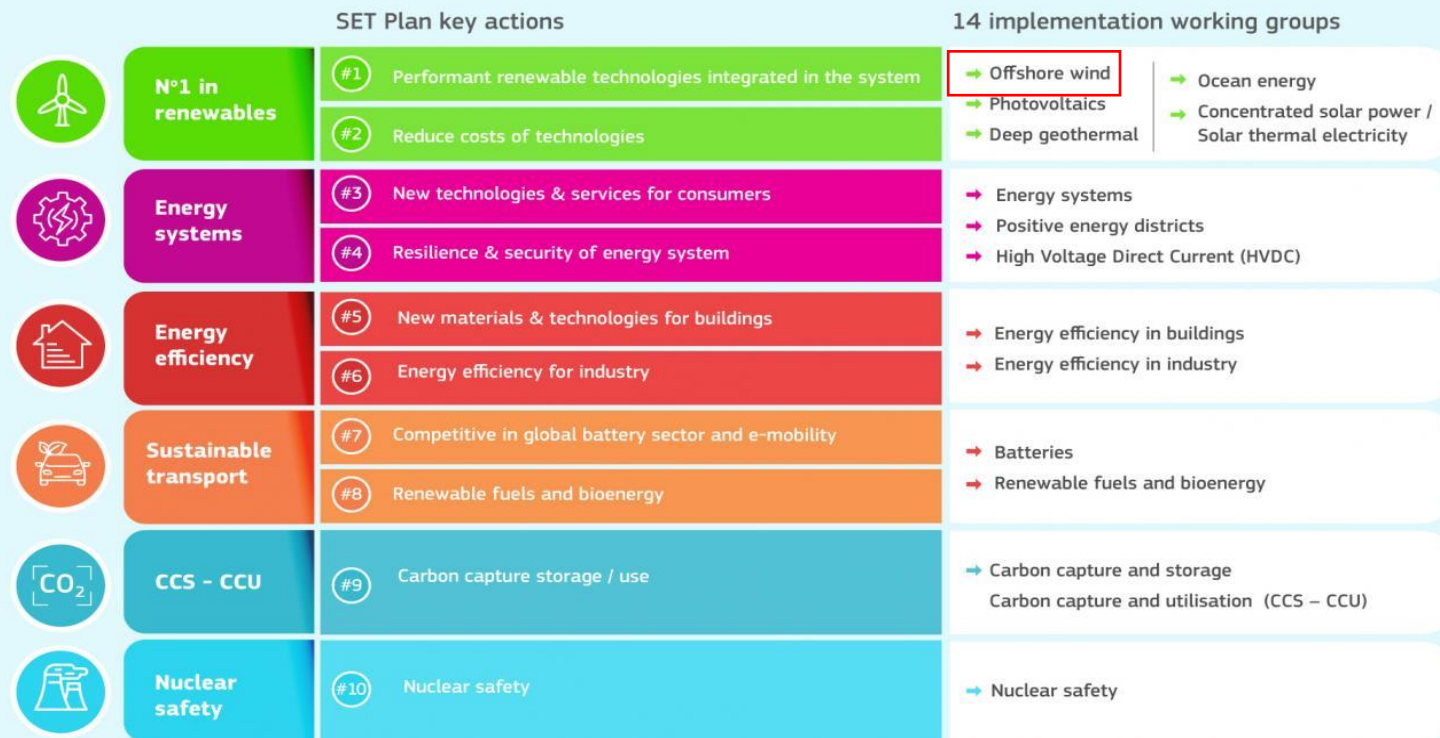


Agenda

- 14:00-14:10** **Welcome & Introduction**
Inc. Presentation from the European Commission
-
- 14:10-15:10** **IWG Wind Terms of Reference**
Presentation of the document
Discussion on key points (strategic targets, Implementation Plan, IWG goals, role of the IWG members / Secretariat)
-
- 15:10-15:25** **IWG Wind Chair - election process**
-
- 15:25-15:40** Short break
-
- 15:40-16:40** **IWG Wind suggested Work Programme**
Proposed list of actions
Discussion with IWG Wind members
-
- 16:40-16:50** **IWG Wind's new visual identity**
-
- 16:50-17:00** **Conclusion and next steps**

Introduction - SET Plan

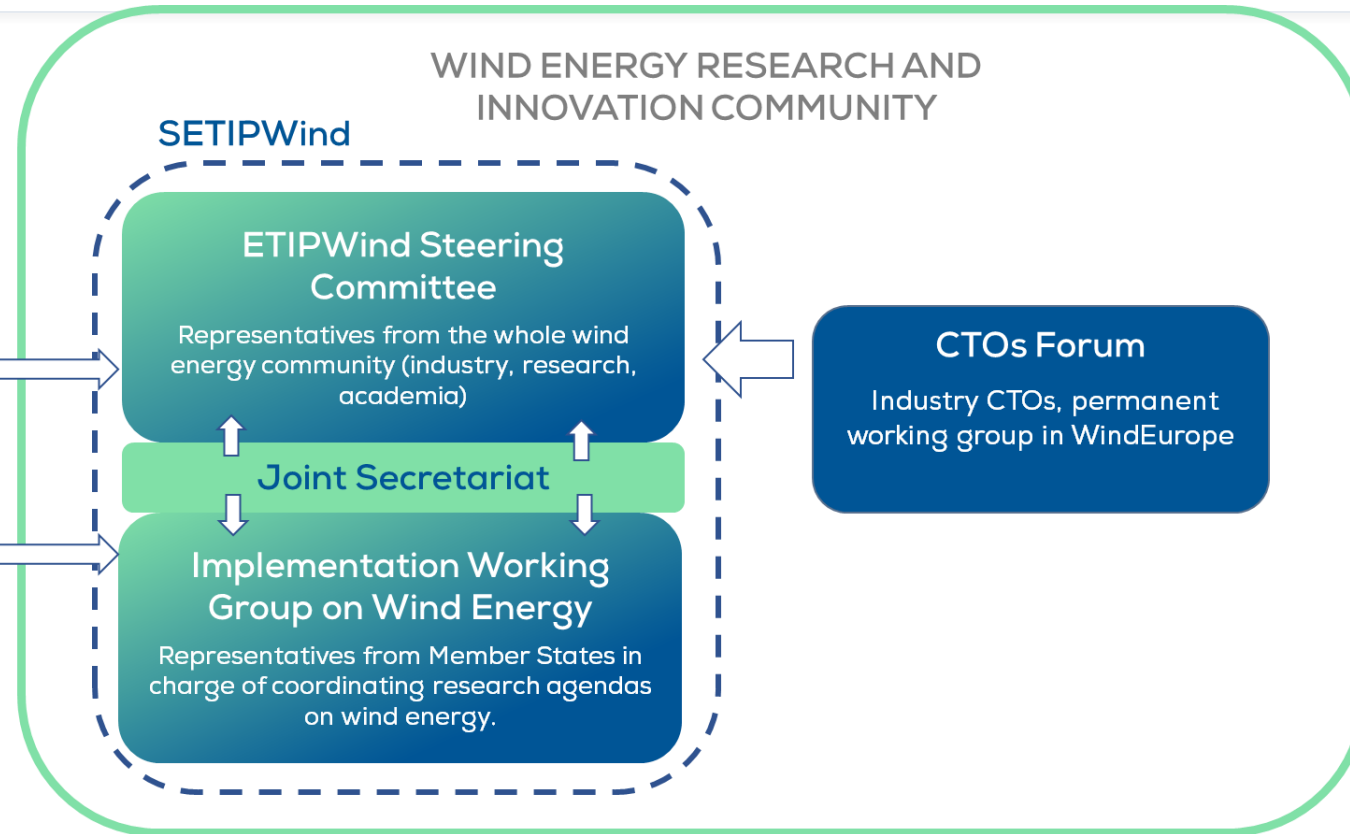
The European Strategic Energy Technology Plan



Role of the IWGs:

- Monitor and report progress on the **SET Plan targets**
- **Coordinate R&I activities** at national level
- Publish **Implementation Plans**
 - Governments, industry and academia.

Introduction - SETIPWind



Objectives:

- Increase the **participation** and contribution of the IWG
- **Improve** the coordination of R&I activities at national level
- Work towards **increasing R&I funding** for wind
- Publish an **Implementation Plan**

Welcome to our new member!

➤ **Pieter-Jan PROVOOST**, Agoria, BELGIUM

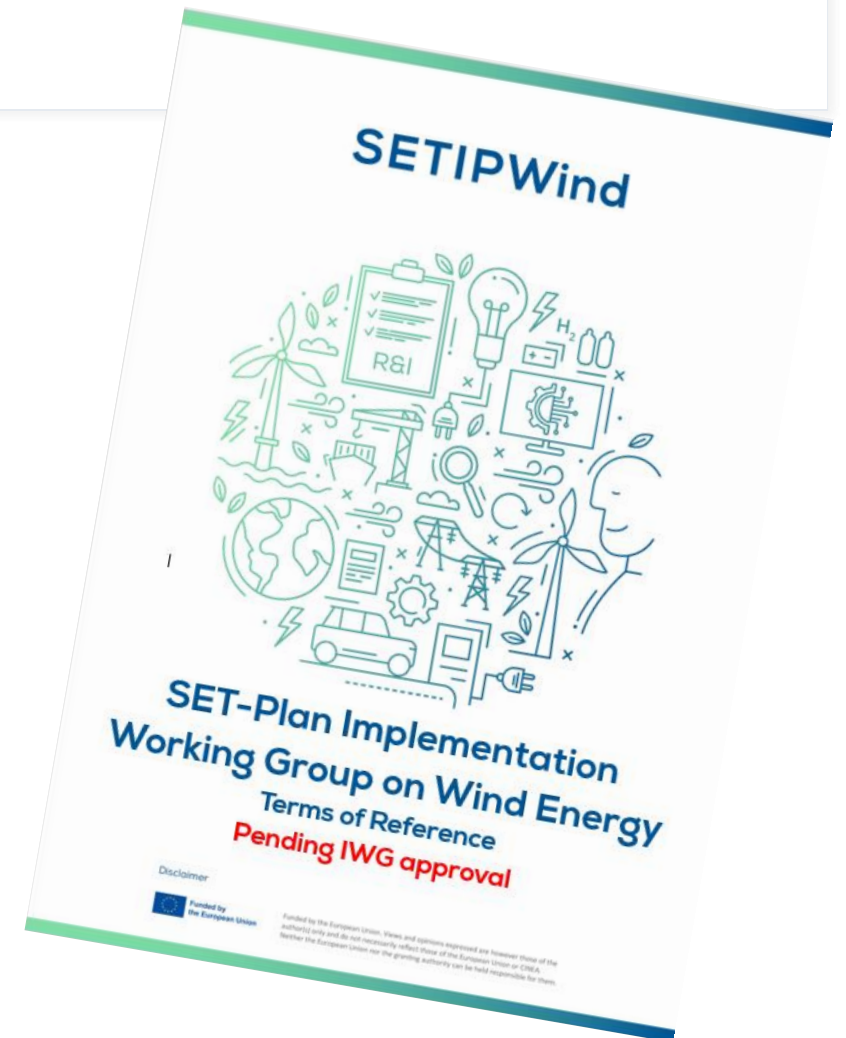


Enrico Degiorgis, DG RTD,
European Commission



IWG Terms of Reference (ToR)

- Stressing the **missions of the IWG** (SET-Plan targets, Implementation Plan)
- Setting up the **goals of the IWG**
- Providing more information on the **composition of the group**
- Describing **how the IWG is managed** (Chair, Secretariat, etc)



Topics addressed by IWG Wind

List of “areas for actions”:

- Improvements in onshore and offshore wind technology, manufacturing processes, industrialisation, digitalisation, Operation & Maintenance solutions;
- Better understanding of weather conditions, especially the wind resource and its interaction with rotor blades;
- Energy system integration and offshore balance of plant;
- Repowering, Decommissioning/Removal, Recycling of Wind Turbines and its components;
- Less dependence on rare materials;
- Test facilities;
- Cost efficiency, societal and ecological impact, as well as sustainability need to be considered.

**This list will be defined and updated throughout the IWG meetings.
It should not be part of the ToR.**

Strategic targets

SET-Plan strategic targets:

In November 2020, the IWG OW published new SET-Plan targets for offshore wind in Europe :

- achieve 8.7 GW annual installed capacity by 2030;
- achieve 21.4 GW annual installed grid capacity by 2030;
- reach an average levelised cost of energy (LCOE) of between 35 and 45 €/MWh by 2030 for bottom-fixed offshore wind; and
- reach an average LCOE of between 62 and 106 €/MWh by 2030 for floating offshore wind.

**These targets will be redefined for onshore and offshore by the IWG members.
This is part of the role of the IWGs.**

Implementation Plan

Implementation Plan (or equivalent doc*):

- Establishing the **R&I actions that must be implemented by the MS to achieve the SET-Plan strategic targets**;
- The overarching objective is **to maximise synergies, funds included**, to accelerate wind energy deployment through technology development.
- **Developed by the IWG members** with the support of the Secretariat;
- Link with the **National Energy and Climate Plans** (NECPs): The IP actions should be part of the NECPs (chapter on R&I).

This is the main deliverable of the IWGs. It must be adopted by the SET-Plan Steering Group.

Example of what the Implementation Plan can include

- List of implemented R&I initiatives and actions at national level;
- Analysis of the funding available for wind energy at national level;
- List of actions that can be implemented by the Ministries to further support the acceleration of the wind energy deployment

[Implementation Plan for Offshore Wind \(2022\)](#)

[Implementation Plan for Offshore Wind \(2018\)](#)

! Need to ensure there is no duplication with ETIPWind documents !

Link with the National Energy and Climate Plans (NECPs)

Recommendations for the elaboration of the NECPs:

- Actions defined in the Implementation Plan need to be embedded in the NECPs (Dimension “research, innovation and competitiveness” or “Renewable energy”)



JRC SCIENCE FOR POLICY REPORT

National Energy and Climate Plans 2021-2030 under the EU Energy U

Assessment of the Efficiency Dimension

Economidou, M., Ringel, M., Zancanella, P., Tsamiraki, T., Zingheri, P., Paci, D., Serrin, Bertoldi, P.

2020



2.5 Dimension research, innovation and competitiveness

i. National objectives and funding targets for public and, where available, private research and innovation relating to the Energy Union including, where appropriate, a timeframe for when the objectives are to be met

ii. Where available, national 2050 objectives related to the promotion of clean energy technologies and, where appropriate, national objectives including long-term targets (2050) for the deployment of low-carbon technologies, including for decarbonising energy- and carbon-intensive industrial sectors and, where applicable, for related carbon transport and storage infrastructure

iii. Where applicable, National objectives with regard to competitiveness

Finland makes major investments in developing new technologies and commercialising innovations, in particular to speed up the introduction of clean and smart energy systems and the associated products and services, and also more extensively to speed up resource-wise solutions that are based on user needs and required by communities.

In October 2016, Finland joined the Mission Innovation project published in connection with the Paris climate summit, in which 20 countries with a leading role in energy use and energy technologies undertook to double their R&D investments in clean energy over five years. The Mission Innovation cooperation will be used to promote the networking of Finnish cleantech companies and research institutes of the field and to create partnerships. For this purpose, the aim is to strengthen a clean energy ecosystem as part of the growth programme (a cooperation network for actors) based on a strong public-private partnership.

The energy sector is undergoing a massive transformation, which involves a huge number of new business opportunities for companies. Constant renewal is expected in the energy sector, which is reflected especially in many system level developments. The transforming energy system will create new business opportunities while changing the existing ones. New more comprehensive service concepts will be created. RD&I funding is being allocated to the efforts to deal with this transformation and to the development of the related new business models. For experimentation and development purposes, cooperation networks (ecosystems) are to be established where the parties produce added value in the form of products, services and information in close interaction, both for each other and for customers outside the ecosystem.

IWG Goals

1. Strengthening **cooperation** between the EU SET-Plan countries to accelerate the development of wind energy projects technology and **maximising synergies, funding included, in their transnational, national and regional R&I programmes for wind energy**, supported or not by the EU.
2. Defining a **common Implementation Plan** - or equivalent document - aiming at accelerating the development of wind energy in Europe and achieve the technology targets that will place Europe at the forefront of the next generation wind technologies.
3. **Guiding the revision of the National Energy & Climate Plans** (NECPs) so they reflect the R&I priorities defined by the EU and the wind industry.
4. **Ensuring and supporting the implementation of wind energy projects** at the national level.

Role of the IWG members

Representatives must have a written mandate from their Ministry in charge of national R&I programmes to participate in the IWG.

- To represent their respective Member State within the group and **to share knowledge on the onshore and offshore wind technology development programmes** in their country (ongoing research projects, technology challenges, solutions developed, funding available and gaps that cooperation with other MS and the EU could plug);
- **to define a work programme for the IWG Wind** that will enable the achievement of the IWG goals;
- **to elaborate an Implementation Plan** providing recommendations and a list of actions to be implemented at the national level to achieve the SET-Plan targets for onshore and offshore wind.
- **to collaborate with industry and other stakeholders** in the definition of Strategic Research Agendas and other documents that support the European Commission in the prioritisation of technology development areas.

Role of the Secretariat

The Secretariat supports the IWG for:

- The election process of a **Chair and Co-Chair** and the organisation of IWG meetings;
- The facilitation of the collaboration with the **other SET-Plan IWGs**;
- The communication links and networking opportunities with **other Member State-driven networks**;
- **Support with writing and finalising the Implementation Plan** e.g. by preparing the necessary documents, collecting comments and finalising the document; preparing figures and tables.
- Supporting the Chair and Co-Chair by **preparing templates for the reports for the SET Plan Steering Group**;
- Establishing a **web presence of the IWG**.

IWG Terms of Reference (ToR)

Any final comment?



IWG Wind Chair

- **To preside IWG meetings** and help the group to find consensus;
- **To represent and act as spokesperson** of the IWG and ensure the viability of the Implementation Plan;
- **To develop annual plans for IWG activities** (tasks, cost, time, resources) and present them to the IWG plenary for approval;
- **To liaise with other MS and stakeholders** outside the IWG;
- **To represent the IWG** at meetings, conferences and events which the IWG chooses to attend;
- **To give the IWG the visibility** to effectively deliver the IWG's purpose;
- **To report to the SET-Plan Steering Group** on the activities and achievements of the IWG.

Election of the IWG Wind Chair

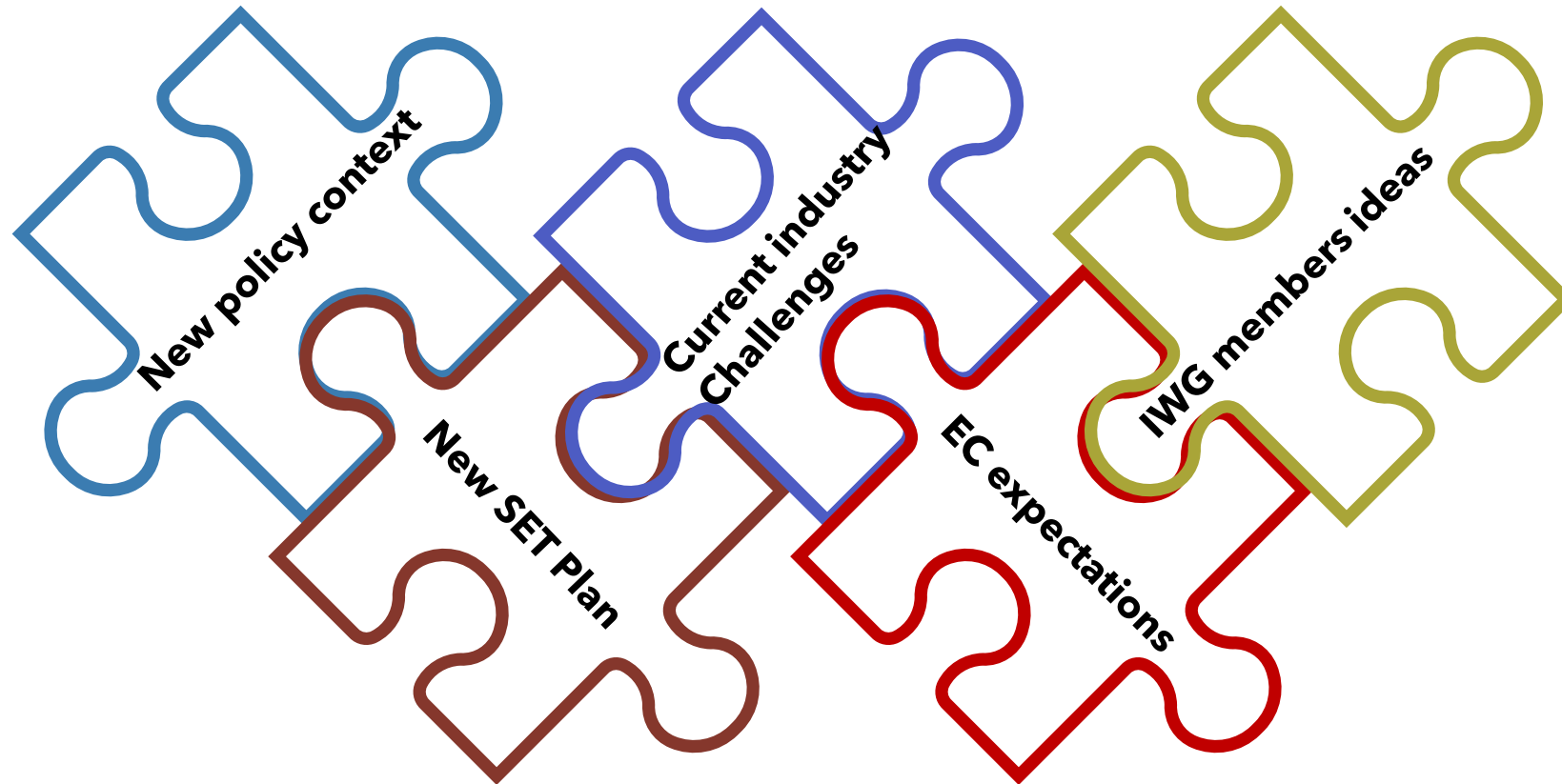
Any application?



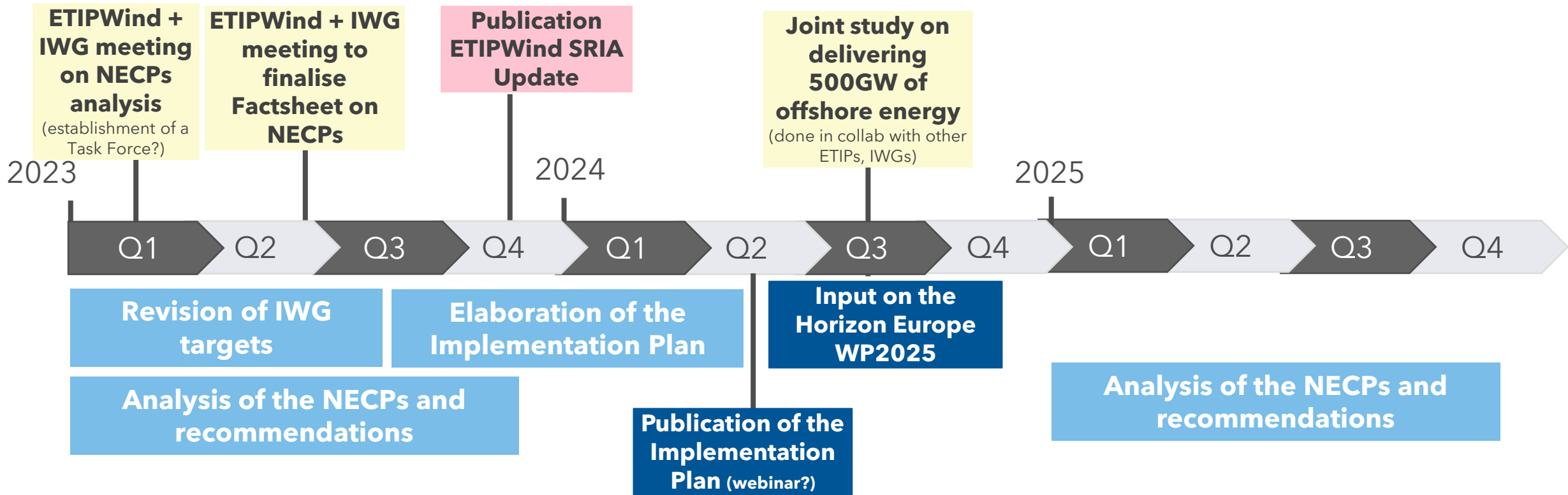
Short break

We'll be back at 15:55

Assembling the IWG work programme



Proposed list of actions 1/2



Proposed list of actions 2/2

Additional activities:

- Regular IWG Wind meetings (at least 3/year)
- Regular meetings with other IWGs (inc. IWG HVDC)
- Regular meetings with ETIPWind
- Collaboration with Member State-driven networks (inc. NSEC, BEMIP)



Proposed list of actions

Any other activity you'd like to see included in the work programme?

IWG Wind's new visual identity

New logo:

Wind Implementation
Working Group

IWG Wind's new visual identity

But also:

- Dedicated **website**: <https://setipwind.eu/iwg-wind/>
- Dedicated **LinkedIn's page**:
<https://www.linkedin.com/company/iwg-wind/>
- Dedicated **Teams repository** will be created.

Conclusions and next steps 1/3

- **Next IWG meeting** (February):
 - To take stock of the communication on the revised SET Plan
 - Intervention of the IWG HVDC
 - Presentation on your respective national R&I and energy programmes*
- **Joint meeting with ETIPWind** (February) to start discussing the NECPs analysis.

Conclusions and next steps 2/3

- The Secretariat will send you an updated version of the **Terms of Reference** for approval.
- The Secretariat will work on involving **additional SET-Plan countries**.
- Save-the-Date for the **WindEurope's annual event in Copenhagen (25-27 April)** inc. ETIPWind meeting (on 27 April) + opportunity to meet with the North Seas Energy Cooperation.

Conclusions and next steps 3/3

- The Secretariat will **communicate the new scope of the IWG** to the SET Plan Steering Group + SET Plan secretariat with some explanations.

—
Time for
a group
picture!



Wind Implementation
Working Group

Thank you!

Contact: Capucine.Vannoorenberghe@windeurope.org