



IEA Wind Technology Collaboration Program

Global Collaboration in Wind Energy Technology

*Ignacio Marti, 22nd April 2024
Head of Wind Energy Services at PLANAIR
Operating Agent of IEA Wind Task 11*



IEA Wind TCP

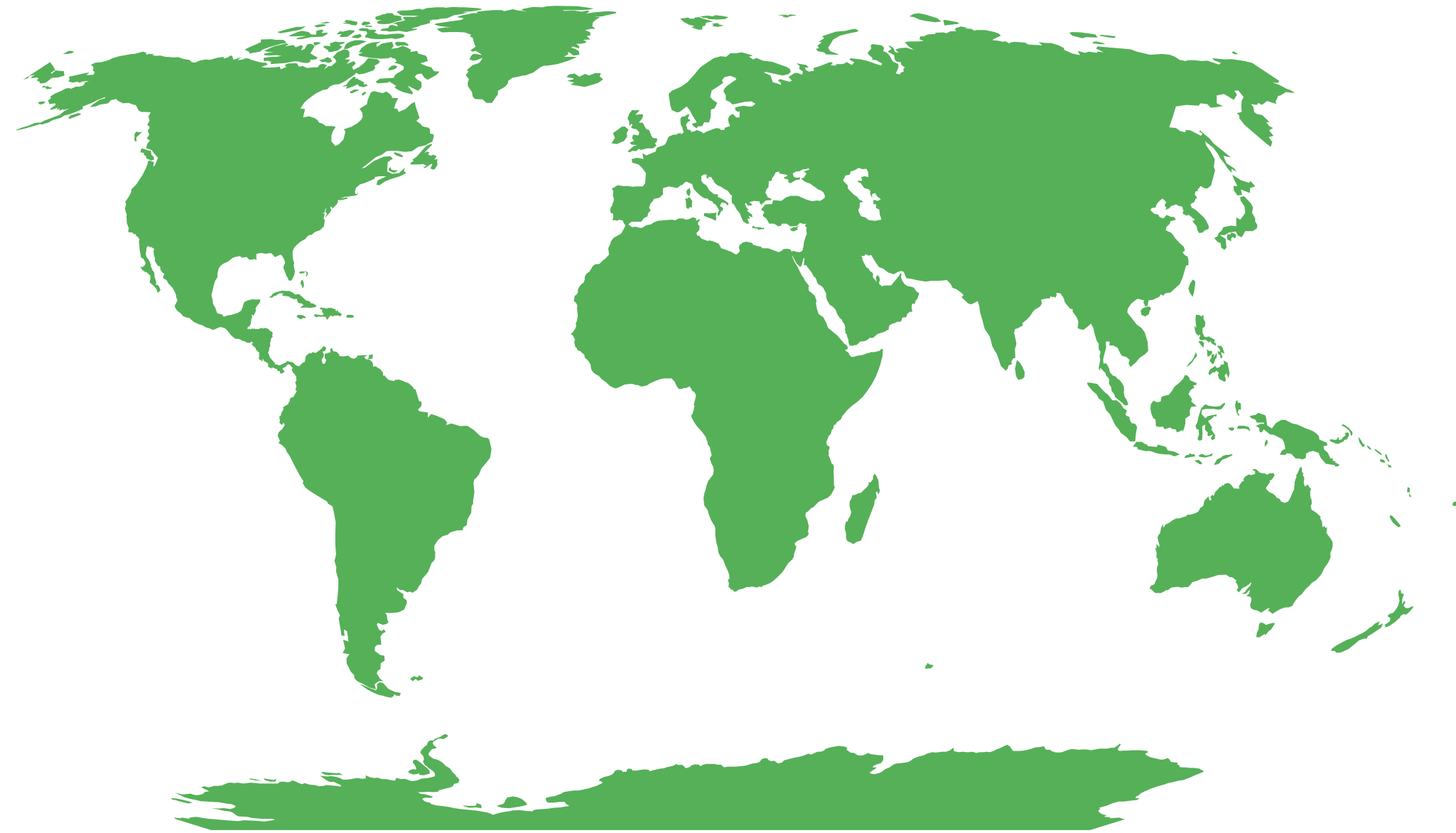
vision and mission

- **Our vision:** Wind energy leads the global transition to a decarbonized energy supply.
- **Our mission:** Promote high impact wind energy research and communication through international collaboration.



IEA Wind TCP

23 members + 2 sponsors (industry associations)

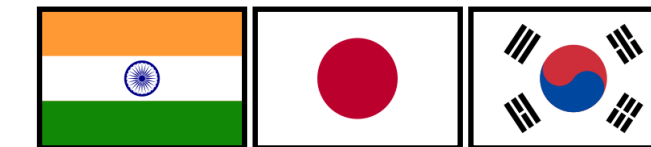


Members of the ExCo are government representatives like energy agencies, DOE, energy ministries and wind energy associations
Participants in Tasks include universities, industry, certification bodies, etc

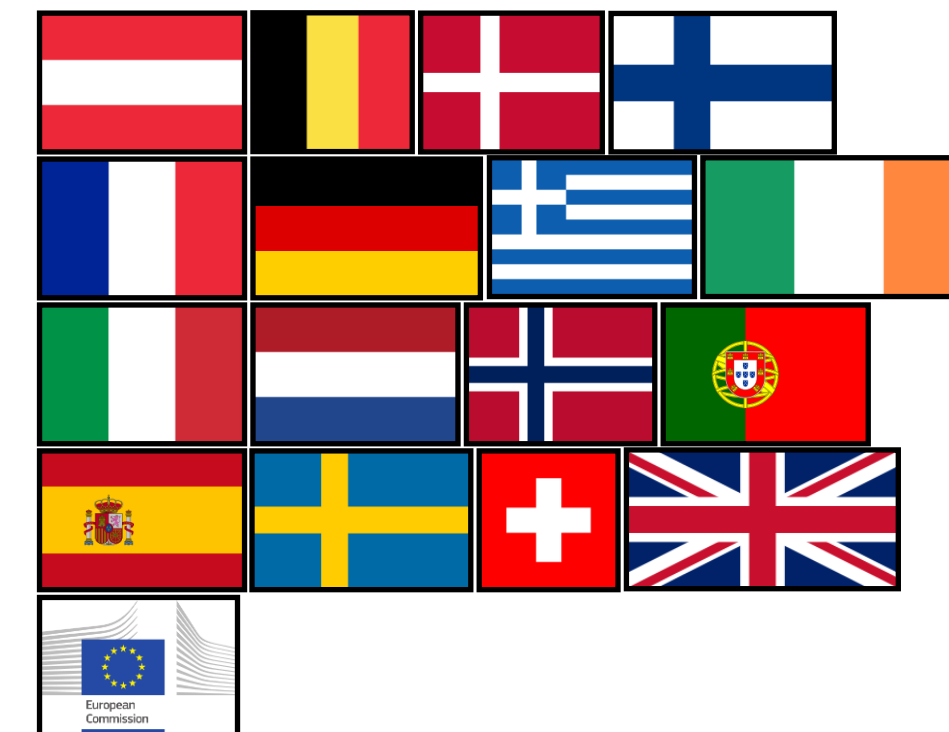
Americas



Asia



Europe



Sponsors



**Under the umbrella of the
International Energy Agency**



IEA Wind TCP

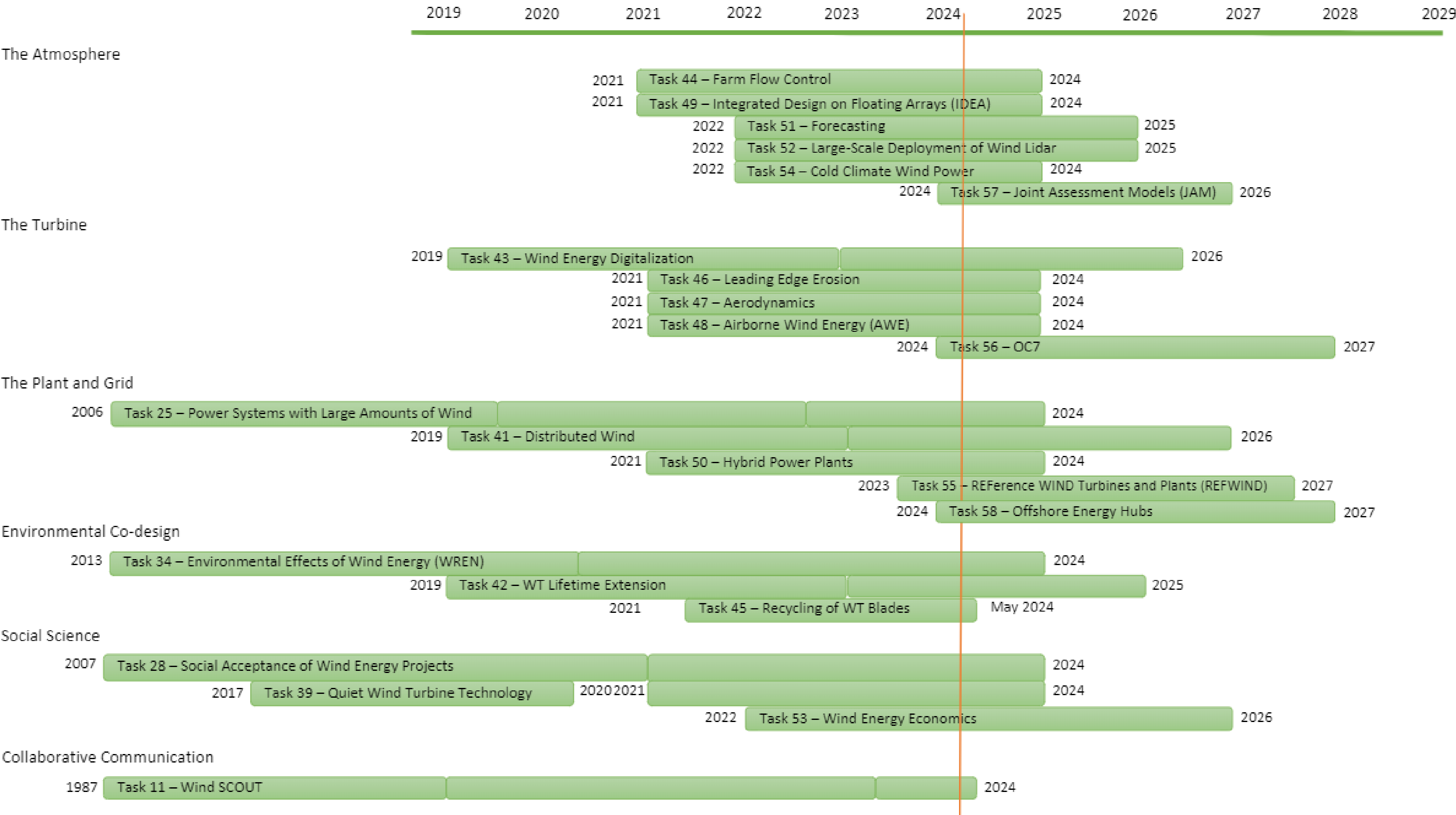
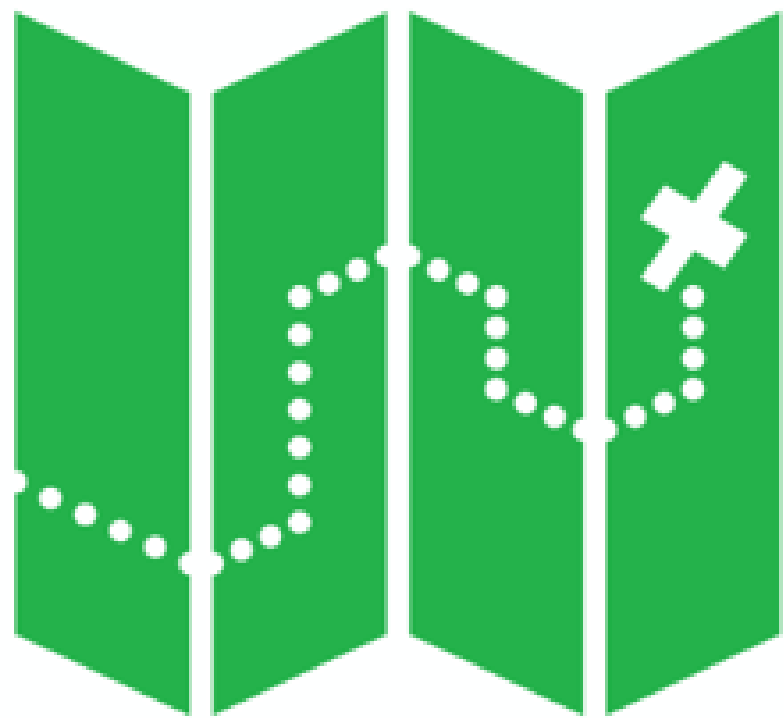
strategic objectives



- Maximize the value of wind energy in energy systems and markets
- Lower the cost of land-based and offshore wind energy
- Facilitate wind energy deployment through social support and environmental compatibility
- Foster collaborative research and the exchange of best practices and data

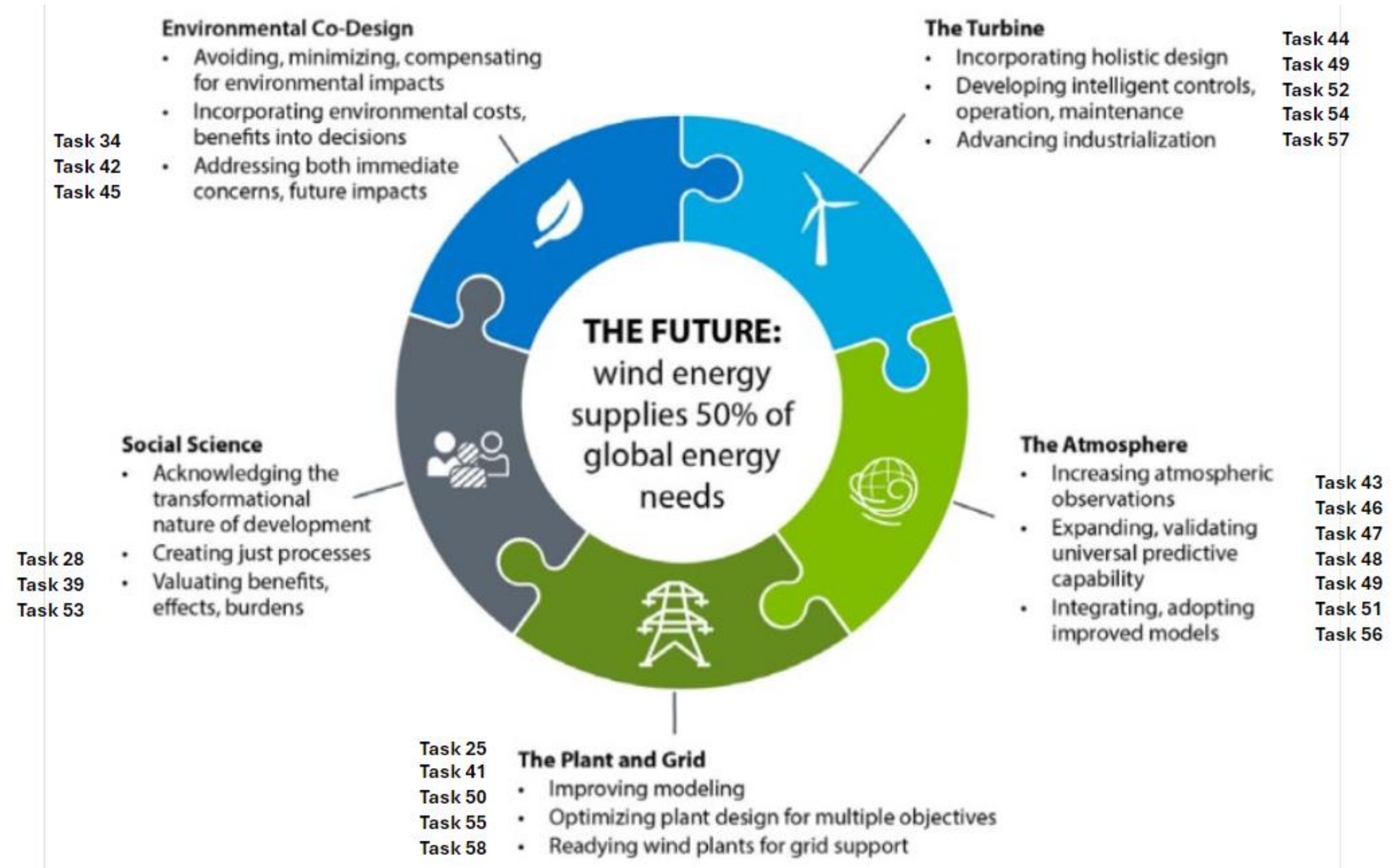
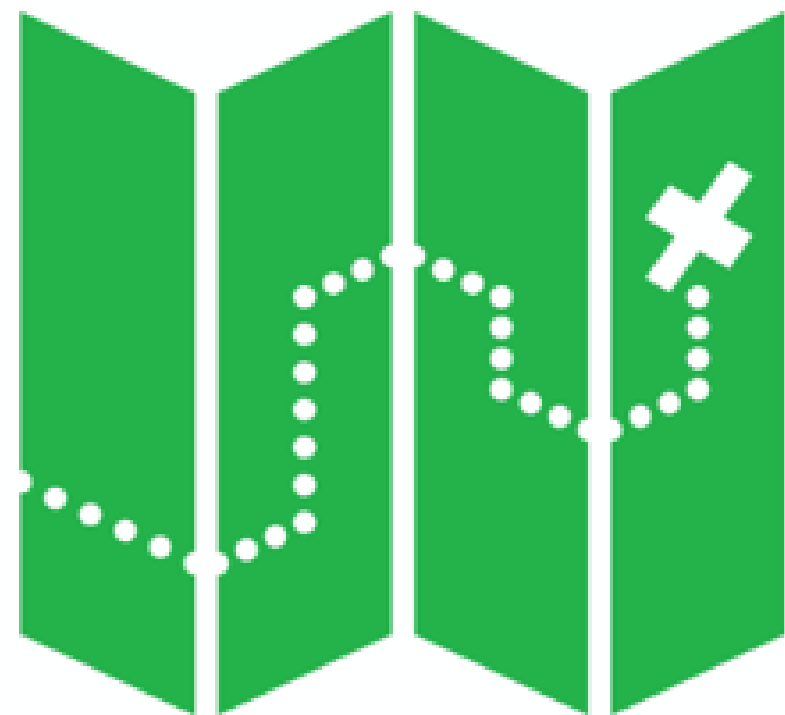


Strategic Priority Areas and Active Tasks (2024-2029)





Strategic Priority Areas and Active Tasks





IEA Wind TCP

organization and roles



Executive Committee (ExCo)

biannually ExCo Meetings (spring and autumn)



Leadership Team (LT)

meets at least once per month



Chair (DE) + VCs (DE, ES, IR, MX, 2 x US)

Secretariat

daily business

support of ExCo, LT and OAs



Research Committee

Resource & Site
Characterization

Task
Operating Agent
(OA)

Task
Operating Agent
(OA)



Research Committee

Advanced Technologies

Task
Operating Agent
(OA)

Task
Operating Agent
(OA)



Research Committee

Energy Systems with High
Amounts of Wind Energy

Task
Operating Agent
(OA)

Task
Operating Agent
(OA)



Research Committee

Social, Environmental, and
Economic Impact

Task
Operating Agent
(OA)

Task
Operating Agent
(OA)



Communication Committee

Communication, Education,
and Engagement

Task 11
Operating Agent

PLANAIR
Ingénieurs conseils en énergies et environnement



IEA Wind TCP

Task 11 - Wind SCOUT



- Organization of more than 110 **Topical Expert Meetings** (TEMs) since 1978.
- TEMs are chosen by IEA ExCo, focusing on relevant international topics for the development and deployment of wind energy
- Coordinated by Planair SA, a Swiss engineering company
- Our role is to help identify relevant topics for TEMs, organize them in collaboration with the host and support in the preparation of the proceedings



IEA Wind TCP

Why to get involved?

- Unique forum for research, industry, sponsor organizations, governments.
- Recognized and trusted body for pre-standards and best practices.
- Activities are not driven by funding, i.e. the interest to collaborate is key.
- Successful framework for global cooperation.
- It is flexible. Partners can join and leave.
- ***Get the latest and most relevant knowledge on relevant topics for wind energy.***



<https://iea-wind.org>

The IEA Wind TCP agreement, also known as the Implementing Agreement for Co-operation in the Research, Development, and Deployment of Wind Energy Systems, functions within a framework created by the International Energy Agency (IEA). Views, findings, and publications of IEA Wind do not necessarily represent the views or policies of the IEA Secretariat or of all its individual member countries.