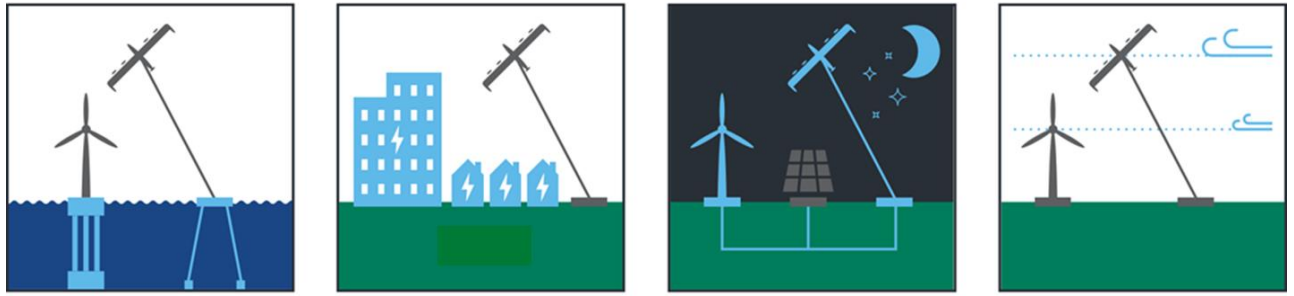


# iea wind

## TEM#102
## Airborne Wind Energy: Challenges and opportunities

**Day 1: September 23, 2020**

… will begin shortly!

Airborne Wind Europe

TU Delft Delft University of Technology

NREL NATIONAL RENEWABLE ENERGY LABORATORY

九州大学 KYUSHU UNIVERSITY

WindForS

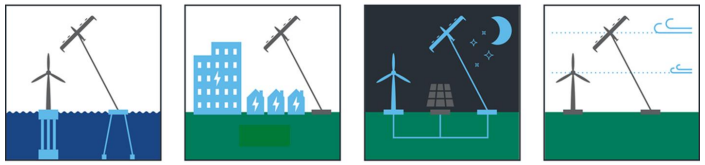
NC STATE UNIVERSITY

# iea wind

# TEM#102

# Airborne Wind Energy: Challenges and opportunities

**Day 1: September 23, 2020**



# IEA Wind Technology Collaboration Programme (TCP)

- IEA history:
  - Brings together experts across the whole world to coordinate a collective response to important energy-related questions or disruptions

- IEA Wind mission:
  - Stimulate **co-operation and information sharing** on wind energy R&D
  - Provide **high quality information and analysis** to member governments and commercial sector leaders
  - Accelerate the pace of **technology development** (TRL) through Tasks
  - **Promote standardization** through Recommended Practices
  - **Save time and money** in national & international research programs

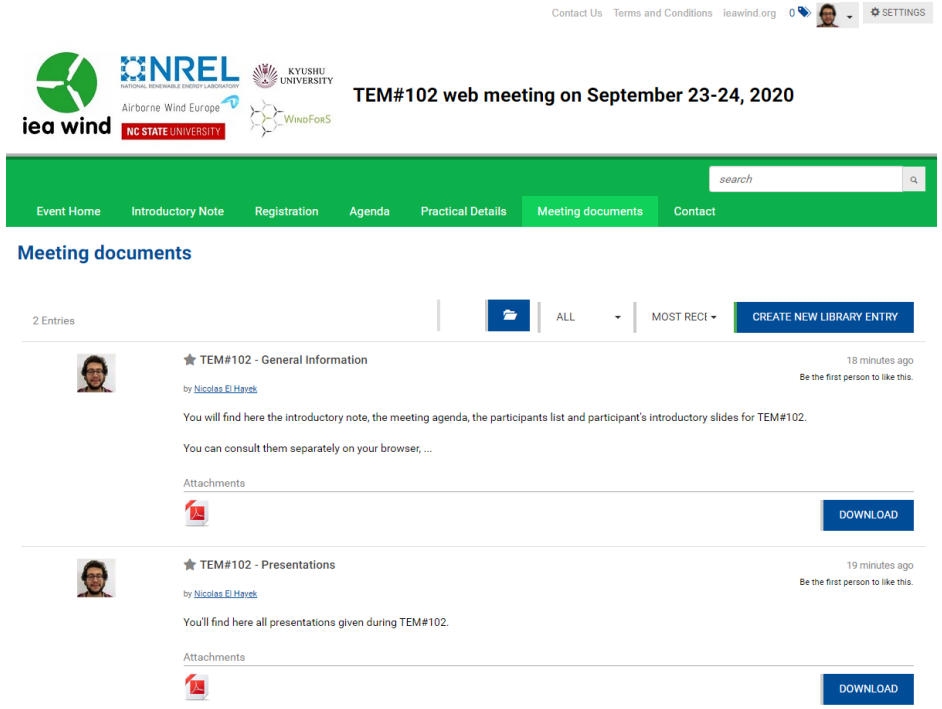
# IEA Wind Technology Collaboration Programme (TCP)

- Value for member countries & industry:
  - Influence the **international research agenda** on wind energy
  - Get in contact with **key government representatives** related to wind energy worldwide
  - Provide **national expertise** to accompany other countries
  - Influence the **creation of new standards** through the IEA Wind recommended practices
  - Get **market and policy insight** globally

# IEA Wind Task 11: Base Technology Information Exchange

- Task 11 activities:
  - Organise **Topical Expert Meetings** (TEMs) gathering experts worldwide
  - Develop **Recommended Practices** in collaboration with Tasks & secretariat
  - Provide an online room for the exchange of ideas:
    **Community Platform**

[Check out the full presentation & meeting documents]



# Airborne Wind Energy: Challenges and Opportunities

Resource Potential

Environmental & social

Safety

Design Tools

Wednesday
**Sep 23**
2020

Definitions & Metrics

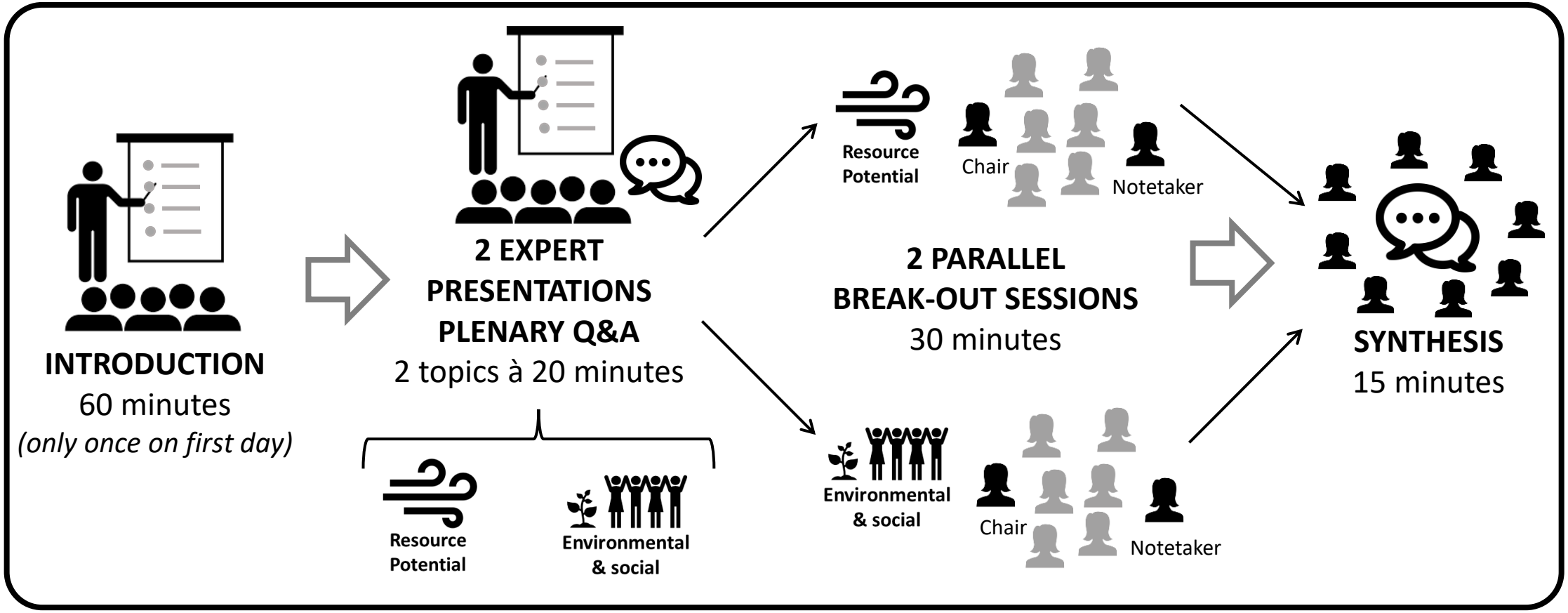
Electrical System

Educational needs

Roadmap

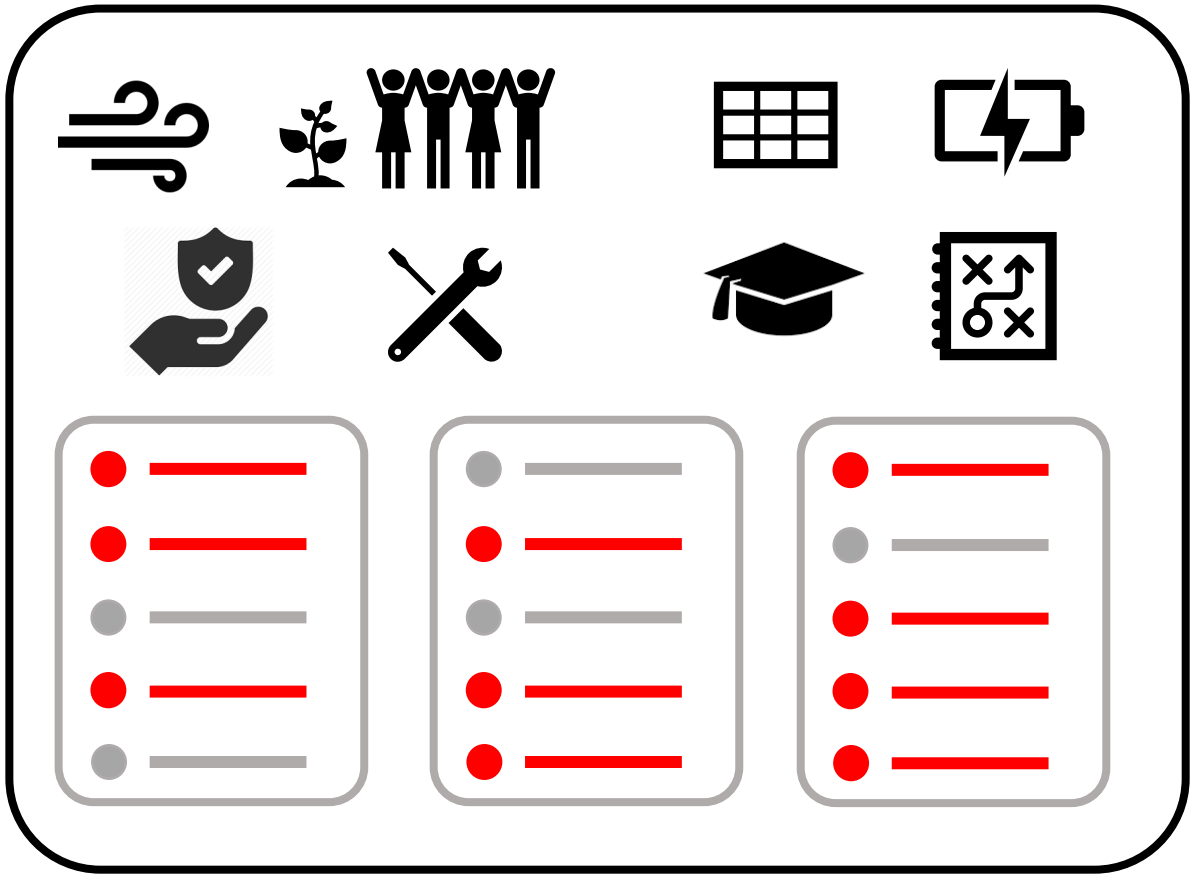
Thursday
**Sep 24**
2020

# DURING THE TOPICAL EXPERTS MEETING

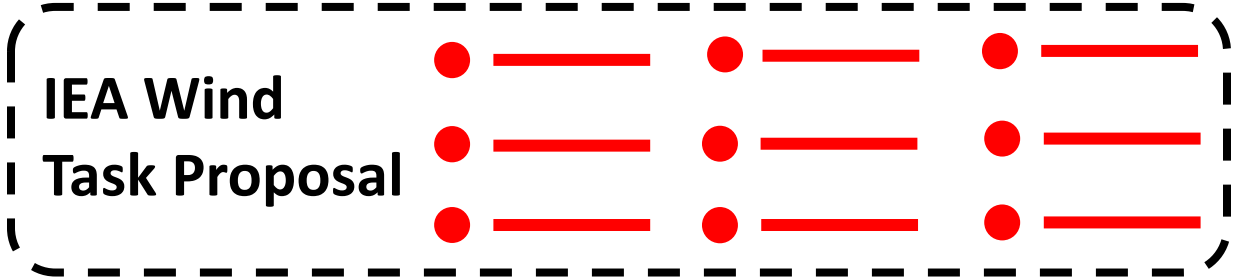



Sign up for the breakout sessions of your choice now!

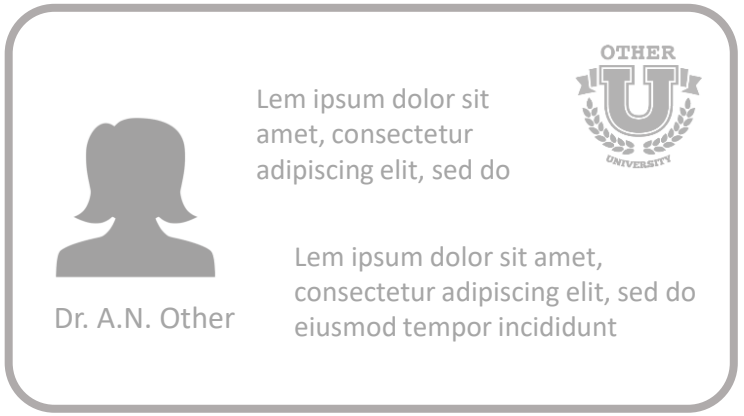
# Meeting Goals



**IEA Wind**
**Task Proposal**



Introductory Slide



# A few Zoom logistics items

- Please adjust your Zoom name to the format *First Last (Affiliation)*
  - e.g. *Nicolas El Hayek (Planair)*
  - Hover over you name/picture, click **"…"** , click "Rename"
  - This will help us organize the breakout groups – sign up online!
  - I will be changing some names in the background (chairs and note takers)

- Please mute your microphone when not speaking

- You can use the chat feature if you need help

| Wednesday, 23 September 2020 | | |
|---|---|---|
| **Introduction Session** | | |
| 13:30 CEST | Check-in | All |
| 13:30 | Welcome and meeting overview | John McCann (or Ignacio Martí) |
| 13:35 | IEA Wind TCP and Task 11 | Nicolas El Hayek, *IEA Wind* |
| 13:40 | Speed-Dating - online meeting ice-breaker<br>*3 min. break-out groups with 3 randomly chosen participants* | |
| 13:45 | Current state the AWE sector: Short presentation for newcomers | Udo Zillmann, *Airborne Wind Europe* |
| 14:00 | Vision(s) for Airborne Wind Energy Sector<br>*Introductory note followed by 20 min. moderated plenary, collecting "visions" from different stakeholders, involvement in the industry.* | Roland Schmehl, *TU Delft* |
| 14:20 | "TEM mission statement" and criteria for selection of topics, level of risk and reward | Jochem Weber, *NREL* |
| 14:30 | Break (5 min.) | |