



Dear Colleagues,

It is our pleasure to invite you to the **Webinar “Meso-microscale coupling for wind resource assessment in complex terrain: a critical discussion from the modelling, HPC and industrial point of view”**, an event the Barcelona Supercomputing Center will host within the frame of the [Enerxico project](#), a Europe-Mexico collaboration that aims to develop performance simulation tools that require exascale HPC and data intensive algorithms for different energy sources, among them wind energy production.

The webinar will take place on **16 April 2021** at 2:30pm (CEST) and will comprise a first section with three panelists presenting state-of-the-art results on this topic (20’ presentation plus 10’ open questions). Later there will be a panel discussion, focusing on the importance and future of an application like this for the industry. The discussion will spin around current industry best practices for wind modelling, the potential impact of HPC use in modelling accuracy, or the future of wind modelling within the new scenario of constant and quick renewable energy growth.

AGENDA

2:30 - 3:00 On the coupling of meso-microscale models by means of forcing terms: the ENERXICO experience. Oriol Lehmkuhl, Senior Researcher at Barcelona Supercomputing Center.

3:00 - 3:30 Off-line mesoscale-microscale coupling for wind energy resources using a simple approach. Andrea N. Hahmann, Senior Scientist at the Technical University of Denmark.

3:30 - 4:00 Meso to micro dynamic offline coupling – The tendencies approach. Dalibor Cavar, Senior Research Scientist at the Technical University of Denmark.

4:00 - 5:00 Roundtable discussion

- **Oriol Lehmkuhl**, Senior Researcher at Barcelona Supercomputing Center.

- **Andrea N. Hahmann**, Senior Scientist at the Technical University of Denmark.
- **Dalibor Cavar**, Senior Research Scientist at the Technical University of Denmark.
- **Javier Sanz**, Senior Data Scientist at Siemens Gamesa.
- **Circe Triviño**, Head of Section Energy&Analytics Iberia & Latinamerica at DNV GL.

We warmly welcome you to attend the webinar. You may find the registration link [here](#) and locate more information [here](#).

We look forward to seeing you soon!

ENERXICO team