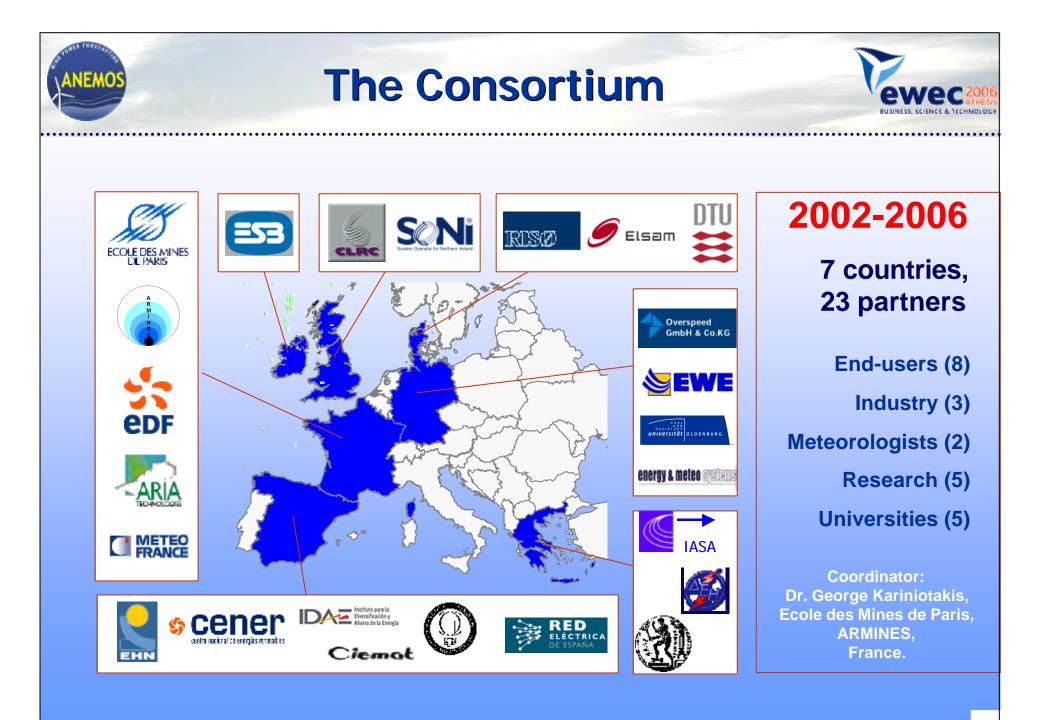


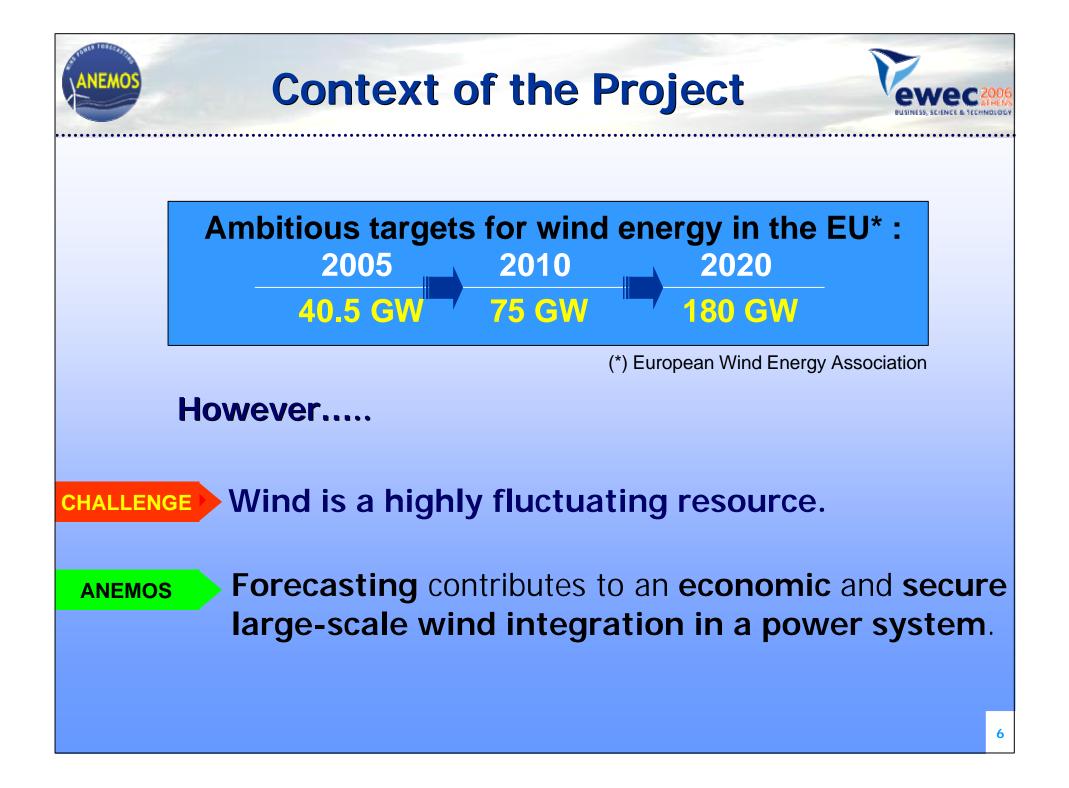
ROPEAN

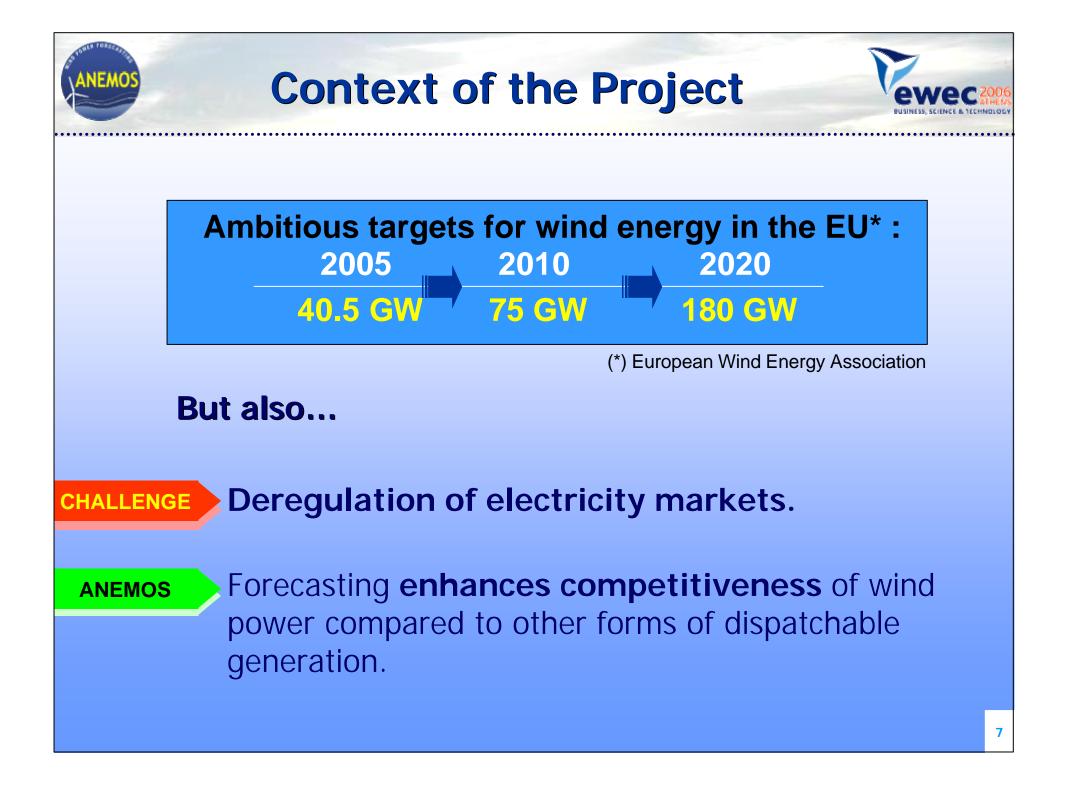
Next Generation Wind Power Forecasting. Overview of the Anemos Project.

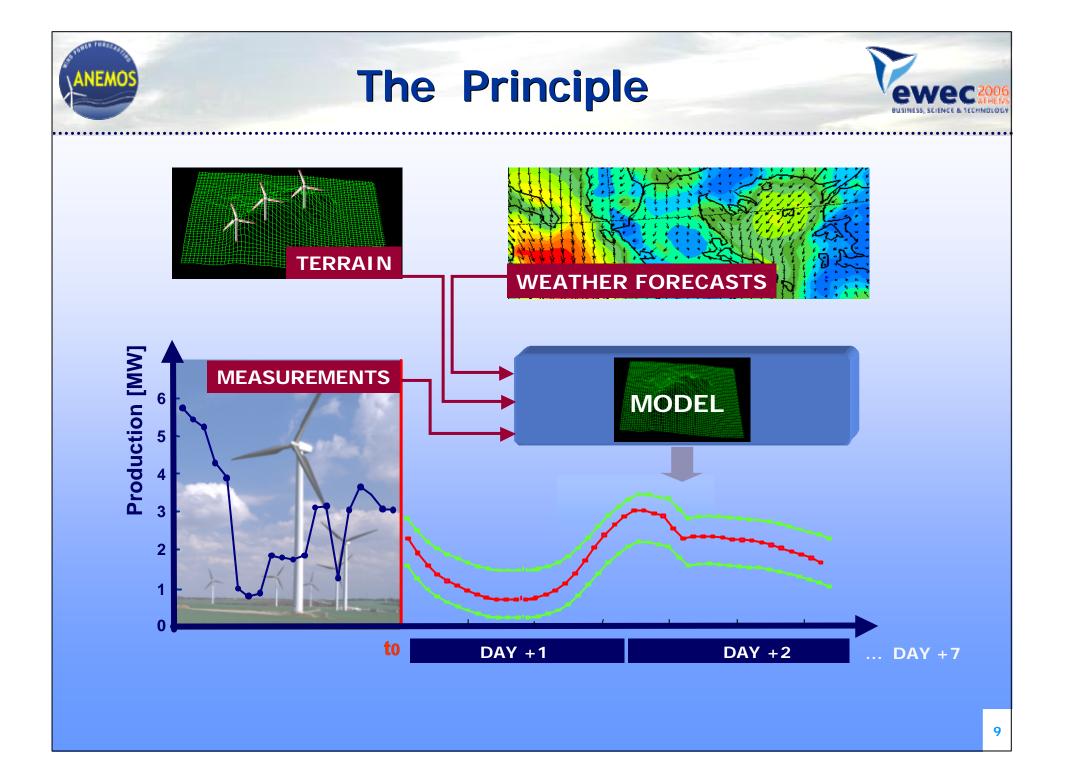
George Kariniotakis, Ecole des Mines de Paris, France georges.kariniotakis@ensmp.fr

European Wind Energy Conference Athens, 27 Feb. – 2 Mar. 2006.









## **The Project Objectives**



Accurate short-term forecasting of wind parks production up to 2-3 days in advance especially for:

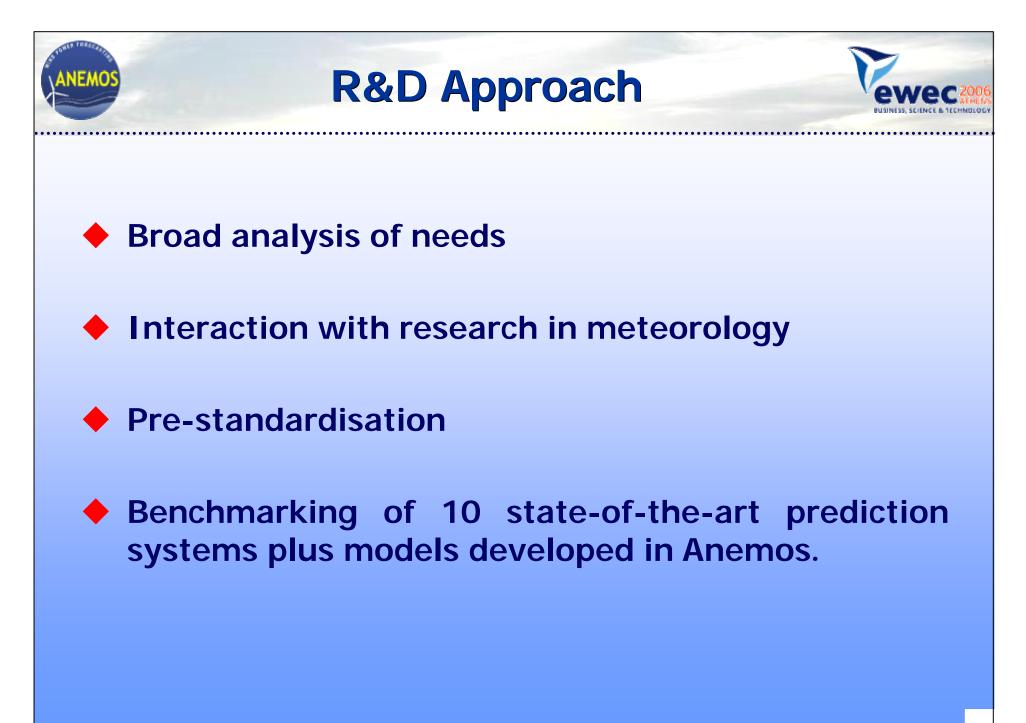
- > complex terrain (not easy to predict...),
- > extreme weather conditions (cut-off risk)
- ➤ offshore (high impact to the grid)

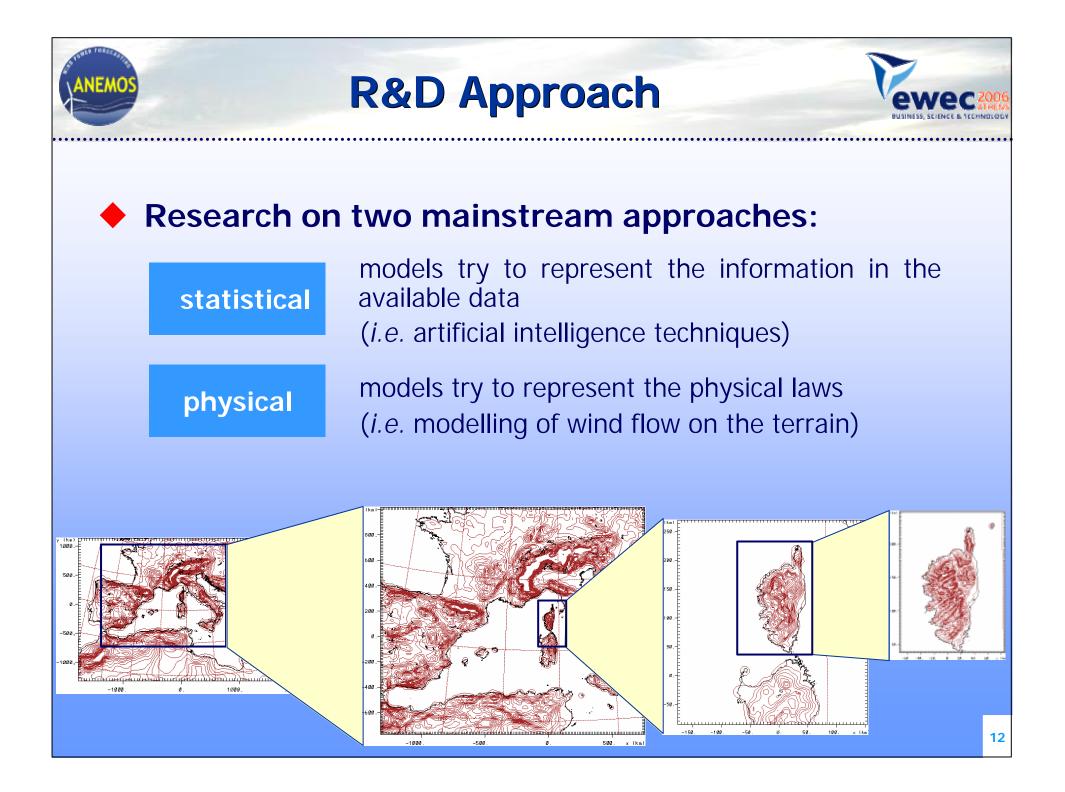


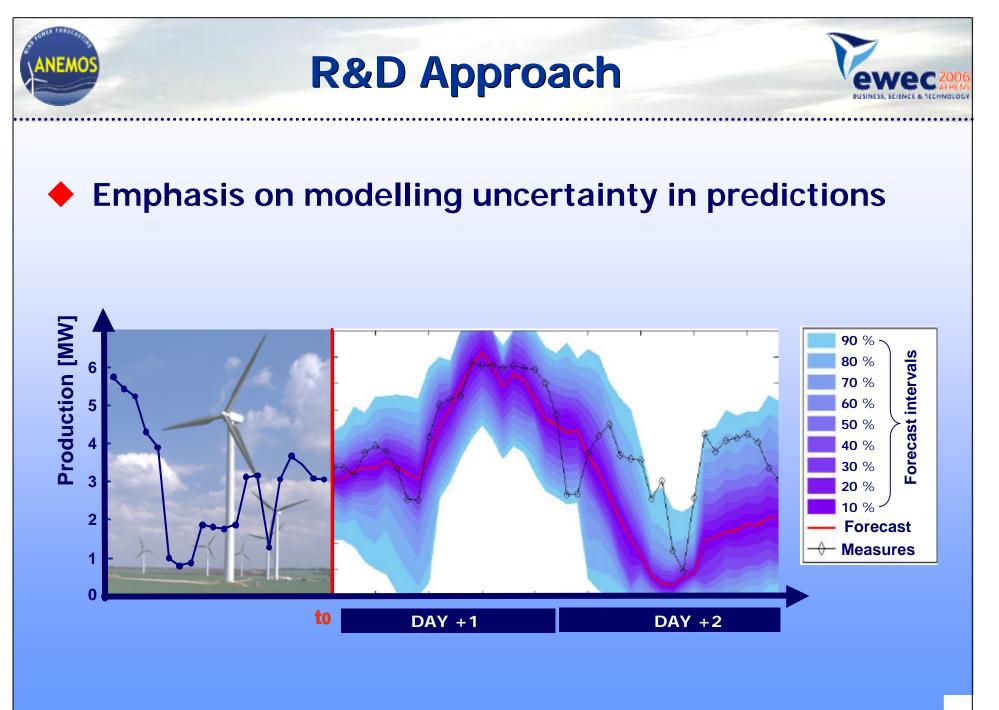


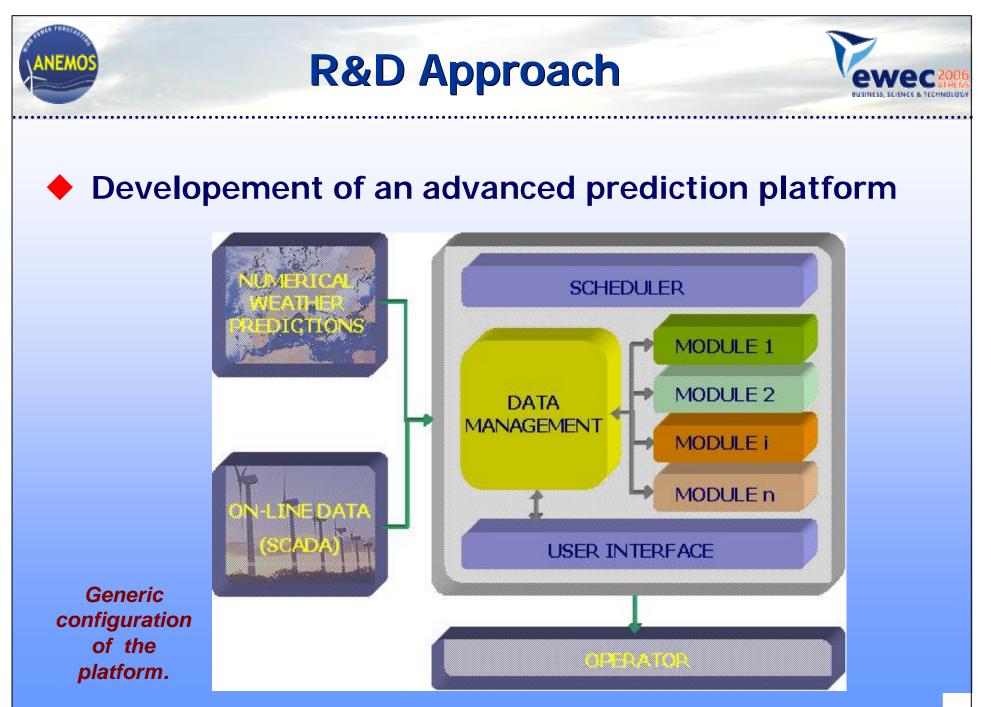
Demonstrate the economic and technical benefits from the use of wind prediction tools at national, regional or single wind farm level.

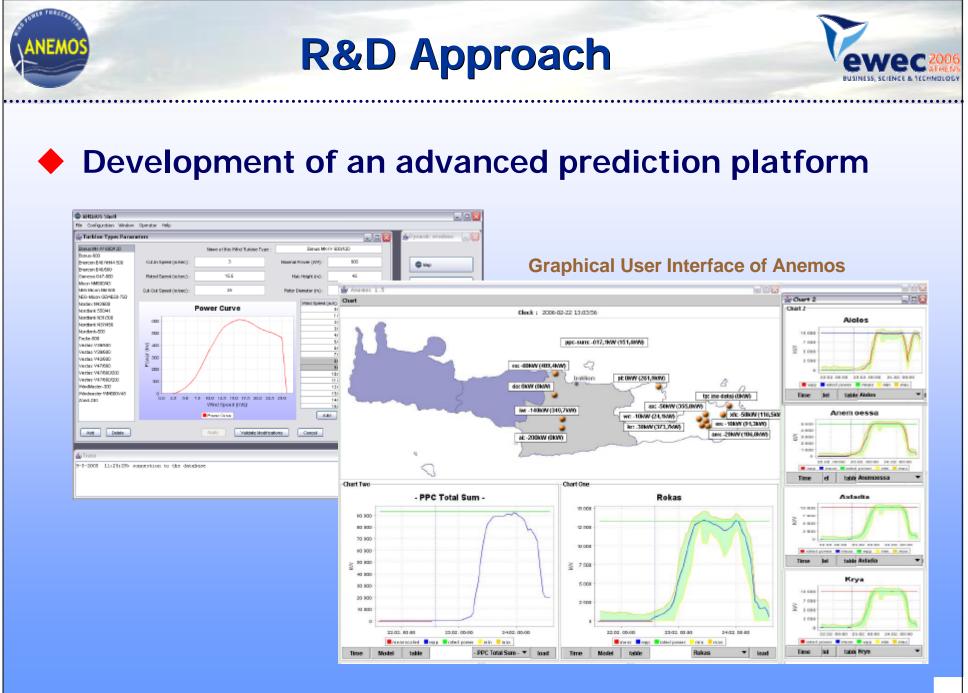


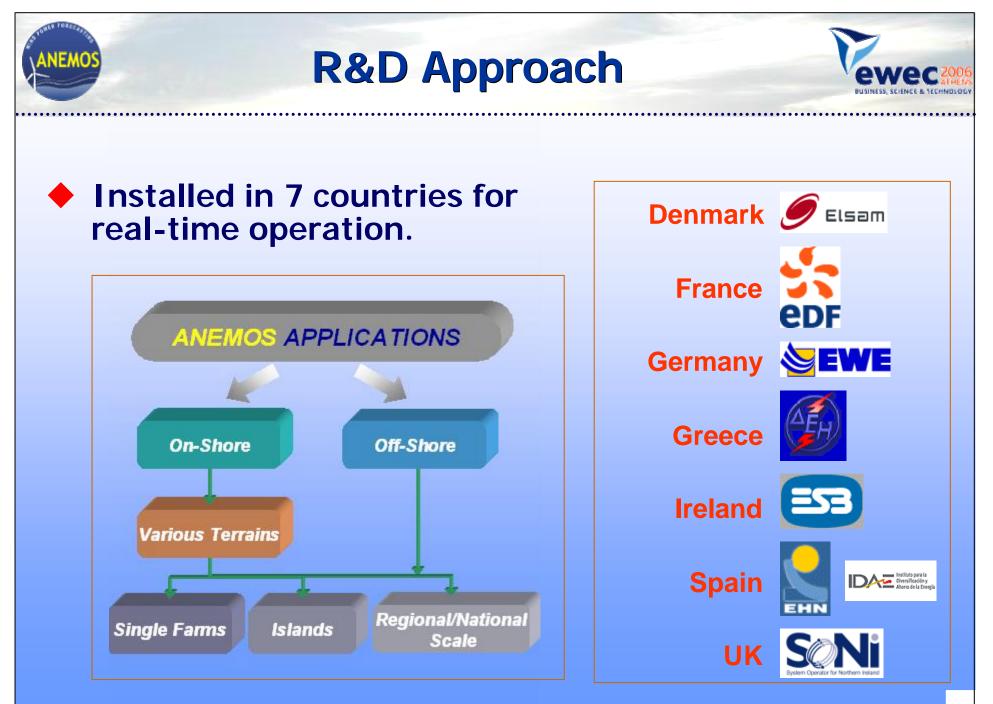


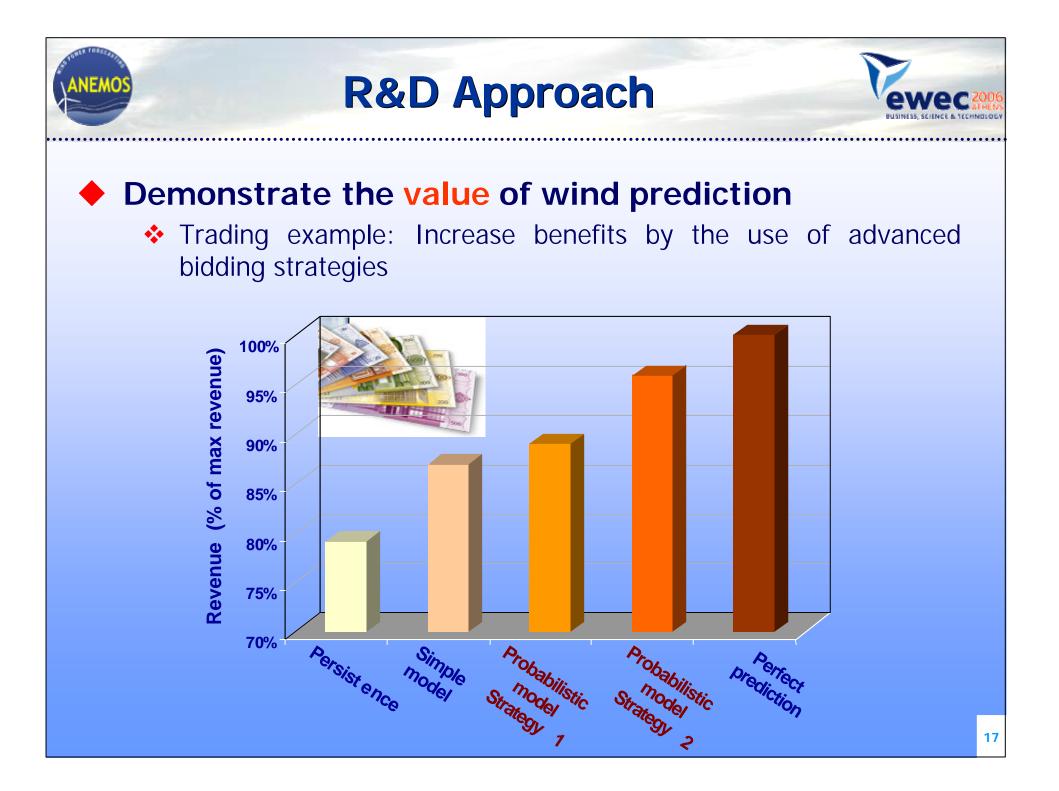


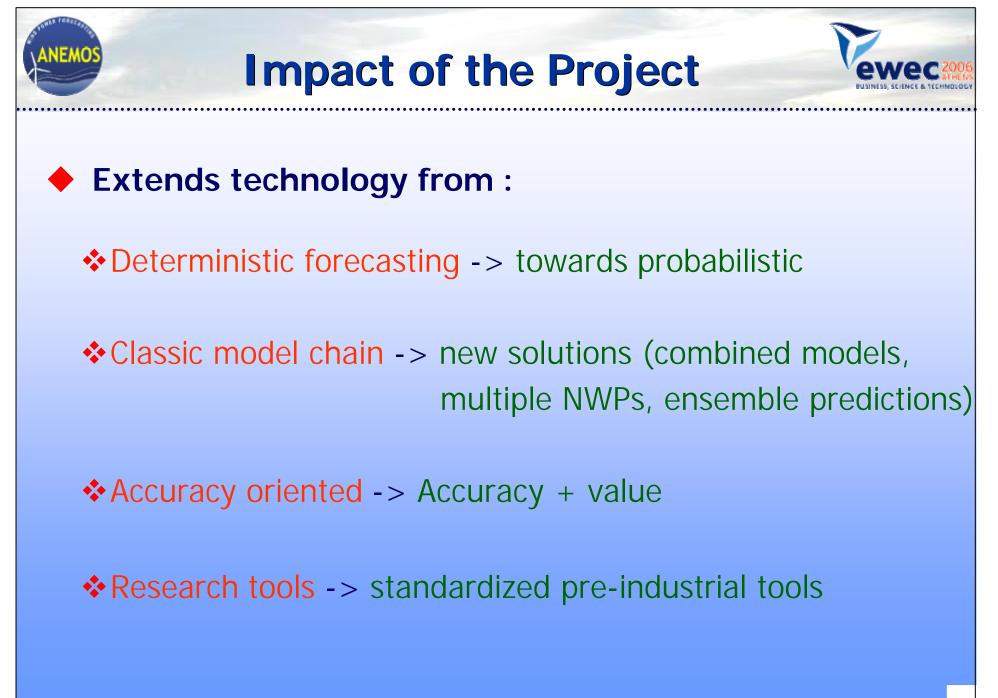


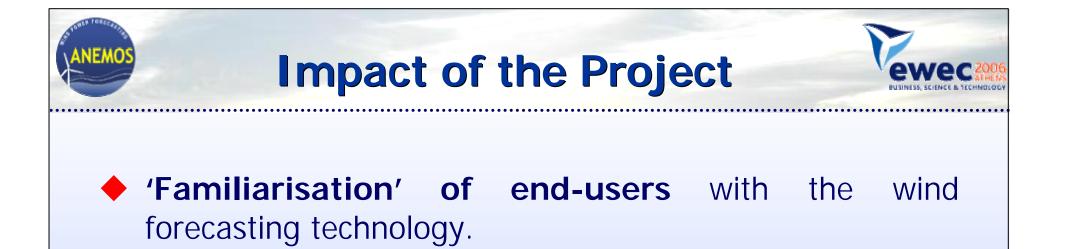




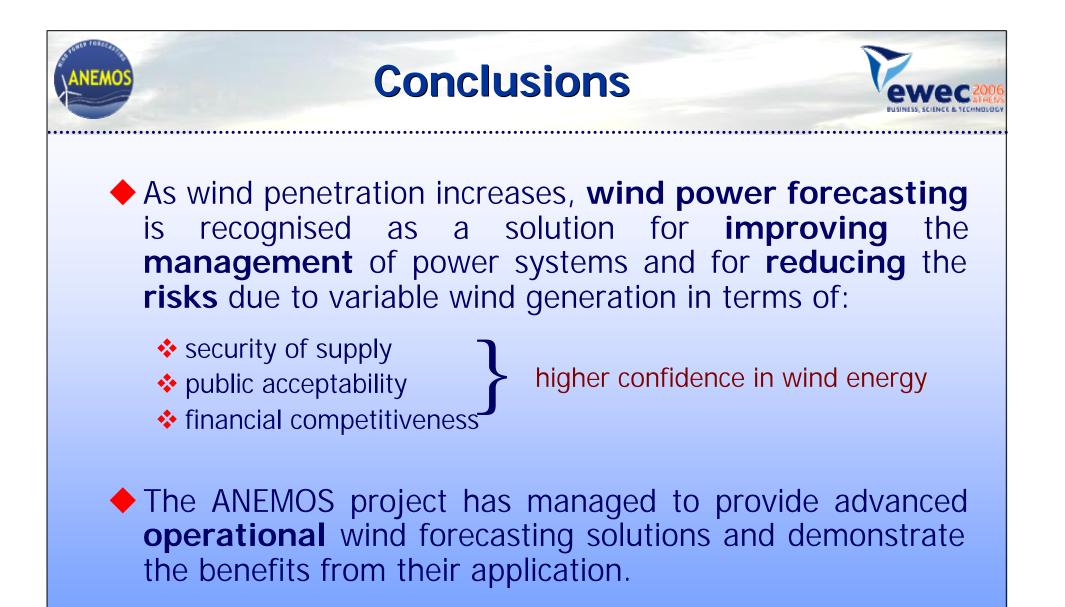




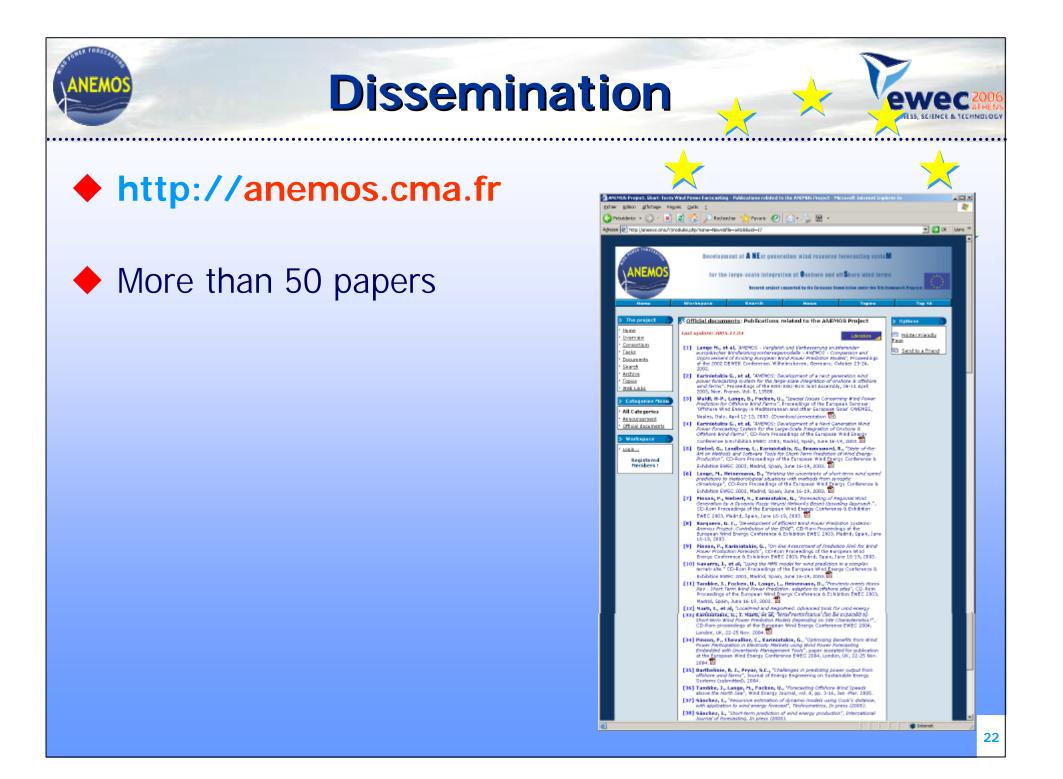


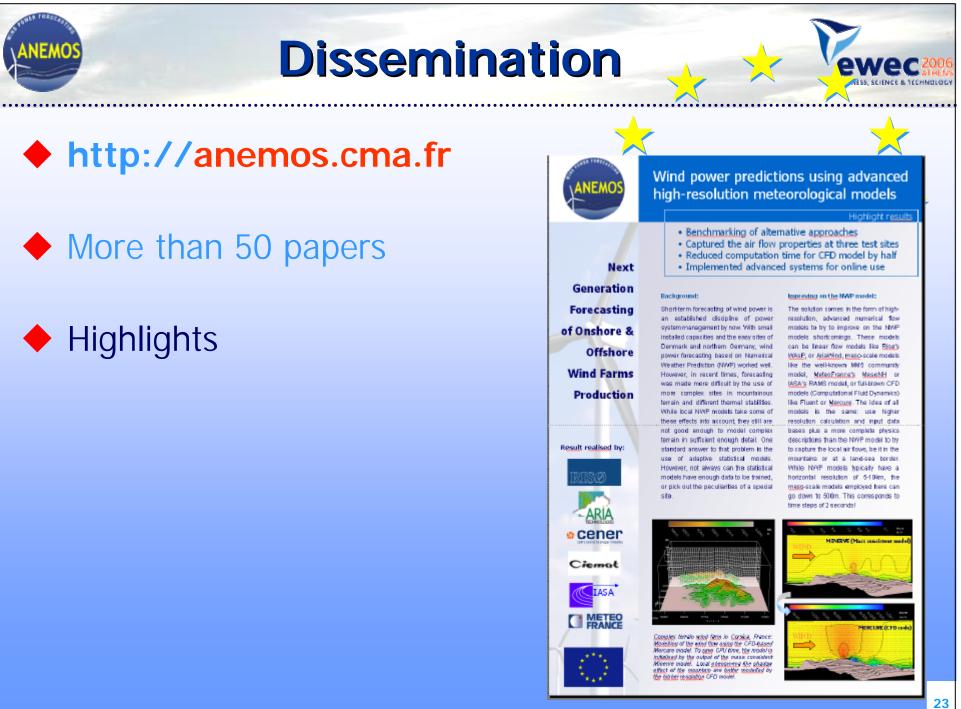


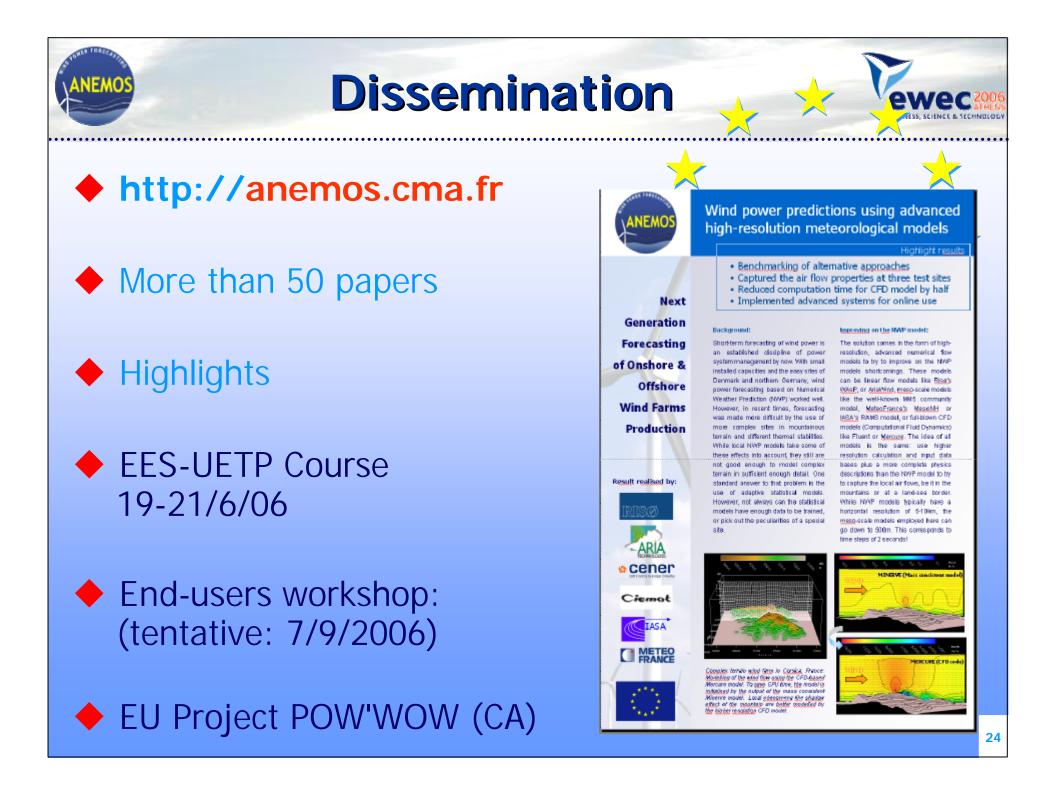
- Accurate 'mapping' of the wind forecasting technology useful for developping grid and market regulations.
- New actors in the marketplace that commercialise the tools:
  - two new spin-off created in DE and DK by partners of ANEMOS
  - Interest from non-EU countries for the ANEMOS products.
  - First commercial installation of Anemos agreed.













## The future of wind is...

## in the forecast