

Acronym and title

The title of the project will be used always in capital letters:

AWESOME – Advanced Wind Energy Systems Operation and Maintenance Expertise

Tagline

To educate eleven young researchers in the wind power operation and maintenance (O&M)

One sentence

AWESOME network aims to educate eleven young researchers in the wind power operation and maintenance (O&M) field by constructing a sustainable training network gathering the whole innovation value chain.

Bullet points

By educating eleven researchers in the wind power operation and maintenance (O&M), AWESOME project aims to:

- Develop better O&M planning methodologies of wind farms for maximizing its revenue
- Optimise the maintenance of wind turbines by prognosis of component failures
- Develop new and better cost-effective strategies for Wind Energy O&M
- Construct a sustainable training network gathering the whole innovation chain

Half page

AWESOME “*Advanced Wind Energy Systems Operation and Maintenance Expertise*” is an international collaborative project funded by the European Commission under the Marie Curie programme with a total budget of more than 2 million €.

AWESOME will educate eleven young researchers in the wind power operation and maintenance (O&M) field by constructing a sustainable training network gathering the whole innovation value chain. This research programme tackles the main research challenges in the wind O&M field identified by the European wind academic and industrial community:

1. To develop better O&M planning methodologies of wind farms for maximizing its revenue
2. To optimise the maintenance of wind turbines by prognosis of component failures
3. To develop new and better cost-effective strategies for Wind Energy O&M.

These main goals have been divided into different specific objectives, which will be assigned to the fellows, for them to focus their R&D project. The established training plan answers the challenges identified by the SET Plan Education Roadmap. Personal Development Career Plans will be tuned up for every fellow, being their accomplishment controlled by a Personal Supervisory Team. The training plan includes intra-network activities (such as specific AWESOME courses), as well as network-wide initiatives promoting their participation in summer schools, Joint Industrial Workshops and international conferences.

Each fellow will be exposed to three different research environments from both, academic and industrial spheres. Thus the AWESOME network includes companies, universities, associations and research centers experts in the wind energy sector from Spain, Italy, Germany, UK, Denmark and Norway.