



Overview of the project



This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 642108

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Project name:

AWESOME: Advanced Wind Energy Systems Operation and Maintenance Expertise

Duration: 48 months

EU contribution: 2,862,074.16 €

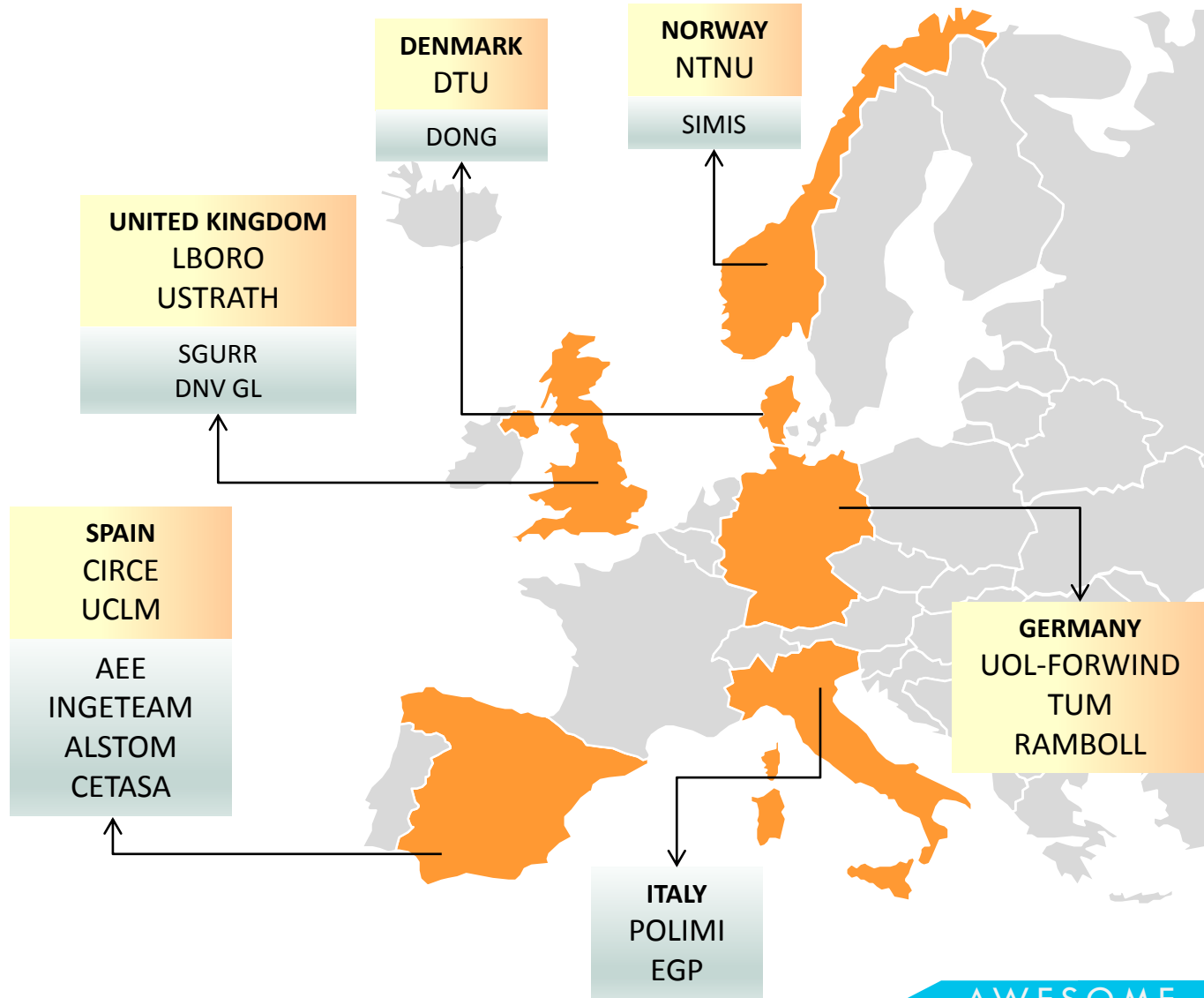
Topic: MSCA-ITN-2014-ETN

Marie Skłodowska-Curie Innovative Training Networks

PROJECT PARTNERS

9 Beneficiaries

10 Partner Organizations



PROJECT BENEFICIARIES



Carl Von Ossietzky Universitaet Oldenburg

www.forwind.de

RAMBOLL

Ramboll Management Consulting GMBH

www.ramboll.de



Technische Universitaet Muenchen

www.tum.de



CIRCE Foundation

www.fcirce.es

Project coordinator



University of Strathclyde

www.strath.ac.uk



Loughborough University

www.lboro.ac.uk



Norges Teknisk-naturvitenskapelige Universitet

www.ntnu.no



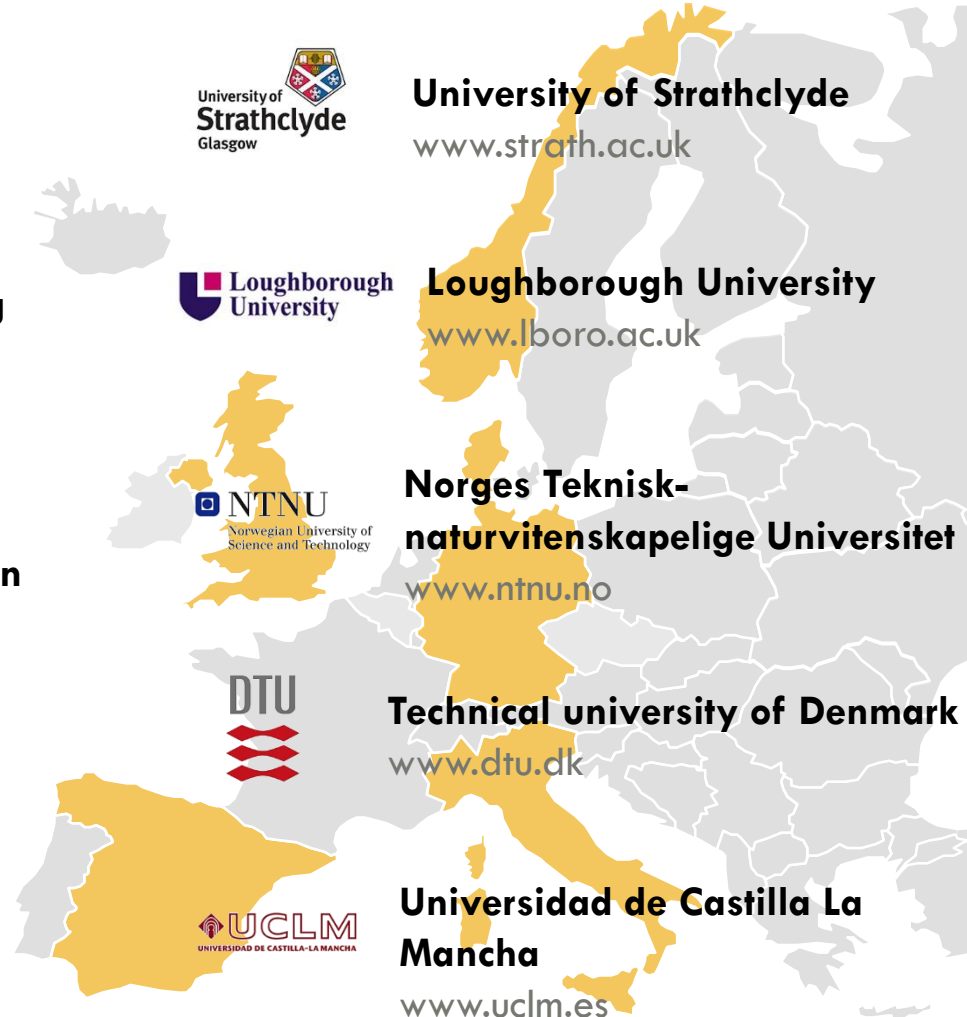
Technical university of Denmark

www.dtu.dk



Universidad de Castilla La Mancha

www.uclm.es



THE CHALLENGES

INDUSTRIAL SECTOR



Wind energy sector: 10% of annual increase in the last 10 years, mainly offshore

Aging of existing onshore parks

O&M costs might have an average share of 20%-25% of total levelised cost per kWh produced

KEY O&M



TPWind platform established that nearly **50,000** additional trained staff will be needed by the industry by 2030

ACADEMIC SECTOR



Networks of universities and other relevant higher education institutions

Programs to be developed linked to the current EAWWE status

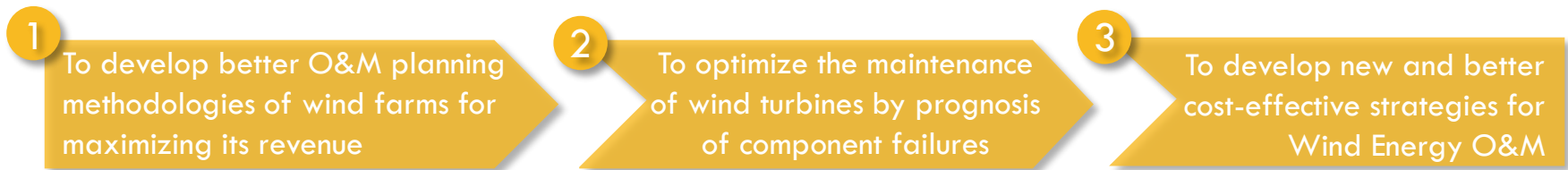
High education programmes, Masters and PhD levels



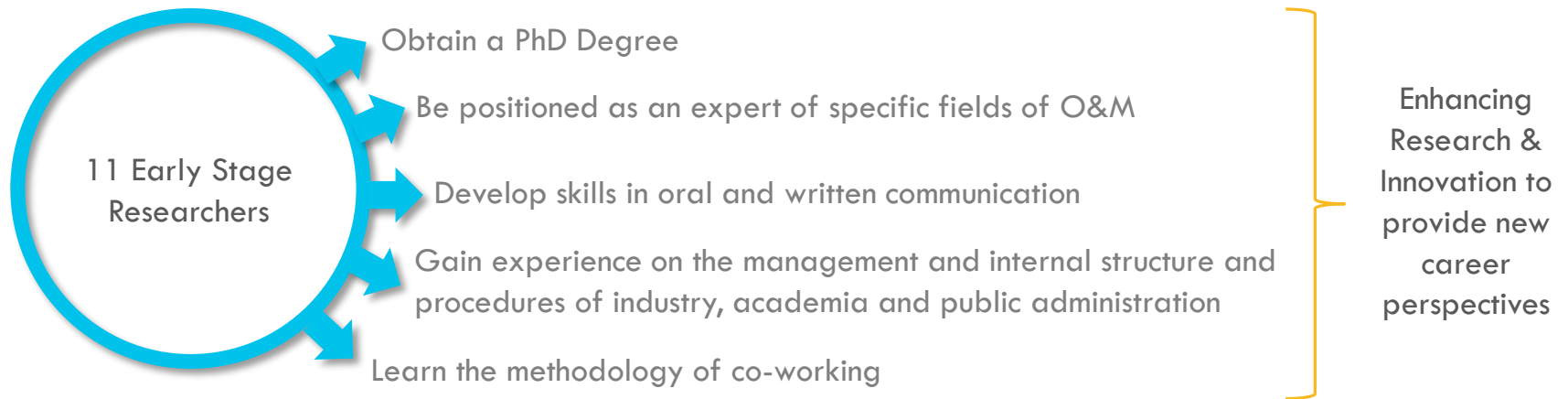
SET PLAN ROADMAP

OBJECTIVES

The main goal of AWESOME is to shape **a critical mass of new expertise** with the fundamental skills required to power the scientific and technological challenges of Wind Energy O&M.



- These main goals have been divided into **eleven specific objectives**, which will be assigned to the fellows, for them to focus their R&D project, PhD Thesis and professional career.
- Each fellow will be exposed to **three different research environments** from both, academic and industrial spheres.
- All the network activities will be developed in accordance with the established in the Ethical Codes and Standards for research careers development, **looking therefore for talent, excellence and opportunity equality**.



Development of Education and Training Network on Wind (SET Plan Roadmap)

- Modular building block on O&M for Erasmus Mundus European Wind Energy Master (EWEM)
- Balance and coordination of the contributions from the academia and the private sector
- Balance between market Research skills and academic core competences



TRAINING ACTIVITIES

Main Training Activities & Events & Conferences	Training level
PhD enrollment	Local training
Academic & Industrial Secondments	Intra-network training
Specific AWESOME Courses	Intra-network training
Scientific Conferences coordinated with EAWE	Inter-network training
Summer schools	Inter-network training
Industrial Workshops	Inter-network training
Training week on the use of SCADA data for condition monitoring	Inter-network training
ForWind Academy	Inter-network training
Workshop on Wind Farm Operation and Control	Inter-network training
International Offshore and Polar Engineering Conference	Inter-network training

THANK YOU VERY MUCH
FOR YOUR ATTENTION

www.awesome-h2020.eu

Any
Questions?