



# LAERO PhD Day

## PROGRAM SCHEDULE

Starting at 2 pm.

### Presentations

Detection and analysis of 350,000 convective cores	Florian Méquignon
Deep convection over Corsica: the influence of topography, valleys and vegetation	Gabriel Hausknost
Downscaling and boundary-layer dynamics: towards a realistic turbulence modelling	Axelle Sigot
Turbulence parameter measurements using a wind lidar	Nayl Loisel
Boundary layer rolls in wind storms	Johan Hedman
A newly developed sea spray microphysics scheme and its impact on tropical cyclones	Hélène Gonthier
Investigation of aerosol-cloud interactions during Hurricane Humberto: a case study with EarthCARE ATLID data and MesoNH simulations	Gaspard Fourmi
The Role of deep convection and Lightning-NO <sub>x</sub> on aerosol life cycle in the Amazon	Isabella Valenti
Gas (CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, NO) exchanges between soil and atmosphere along an ecoclimatic gradient in West African savannas	Moussa Zoure

**Coffee break & posters**