

PROGRAMME OVERVIEW CWW2022

Tuesday April 5		Wednesday April 6	
08:30			
09:00	ZUIDERDUIN <i>Plenary opening session</i>	LAMORAAL <i>Special session Cumul OWF</i>	ABDIJ <i>W&W BAT</i>
10:00		Product Demo <i>Robin Radar 3D MAX</i>	
10:30	coffee / tea		coffee / tea
11:00		LAMORAAL <i>Species responses (offshore)</i>	ABDIJ <i>Cumulative effects (onshore)</i>
12:00	LAMORAAL <i>Special session MCA</i>	ROOM 522 <i>Uncert. risk assessments (onshore)</i>	ROOM 558 <i>Workshop Regional scale policy offshore</i>
12:15			
12:30	Product Demo <i>Robin Radar 3D MAX</i>	ROOM 559 <i>Product Demo Wildlife Acoustics</i>	
13:00	lunch		
13:30		LAMORAAL <i>Uncert. risk asses. (offshore)</i>	ABDIJ <i>Species responses (onshore)</i>
15:00	ROOM 522 <i>Planning issues</i>	ROOM 558 <i>Workshop Mortality</i>	
15:30	Product Demo <i>Robin Radar 3D MAX</i>	coffee / tea	
17:00	LAMORAAL <i>Dutch Wozep session</i>	EXCURSIONS (Packed lunches or lunch on site)	
18:00	POSTER RECEPTION 1		
19:00	ZUIDERDUIN CONFERENCE DINNER		

PROGRAMME OVERVIEW CWW2022

Thursday 7th April		Friday 8th April	
08:30			
09:00	ZUIDERDUIN <i>Plenary session</i> Beth Scott on marine interactions Lori Anna Conzo on emerging markets	LAMORAAL <i>Outlook future (emerging markets)</i>	ABDIJ <i>Outlook future (offshore)</i>
10:00		ROOM 522 <i>Mitigation</i>	
10:30	coffee / tea	coffee / tea	
11:00		LAMORAAL <i>Special session Emerging markets</i>	ABDIJ <i>Cumulative effects (offshore)</i>
12:00	ROOM 522 <i>W&W (onshore)</i>	ROOM 558 <i>Workshop (Bats)</i>	
12:15			
12:30	Product Demo <i>Robin Radar 3D MAX</i>	ZUIDERDUIN <i>Plenary closure</i>	
13:00	lunch	lunch	
13:30		LAMORAAL <i>Special session Underwater</i>	ABDIJ <i>W&W (emerging markets)</i>
15:00	ROOM 522 <i>W&W (onshore)</i>		
15:30	coffee / tea		
17:00	POSTER RECEPTION 1		
17:30			
18:00			
19:00	BBQ AT THE BEACH		

PROGRAMME

TUESDAY APRIL 5

- 08:00 – 09:00** Registration at hotel desk
- 09:00 – 10:30** Plenary opening session in ZUIDERDUIN
- 10:30 – 11:00** Coffee / tea
- 11:00 – 12:30** **Presentations**

Location: LAMORAAL Special session

- Bridging the wind-wildlife divide: Multi-criteria analysis (MCA) for regional wind power planning and wildlife conservation, *Gesa Geißler; University of Natural Resources and Life Sciences*

Location: ABDIJ Species responses (offshore)

- Estimation of collision mortality of the lesser black-backed gull with an individual based model, *Floor Soudijn*
- Tracking Sandwich Terns in the North Sea reveals distributional overlap with and macro-avoidance of offshore wind farms, *Rob van Bemmelen*
- An improved risk assessment of displacement impacts of offshore wind farms on common guillemots *Uria aalge* and razorbills *Alca torda* during the non-breeding season, *Lila Buckingham*
- Validating collision risk modelling for Whooper Swan at offshore wind farms: overcoming practical difficulties, *Robin Ward*

Location: ROOM 522 Uncertainty in risk assessments (onshore)

- A global review of raptor carcass persistence trials and the practical implications for fatality estimation at wind farms, *David Wilson*
- Improving the detection of Common noctule (*Nyctalus noctula*) in onshore wind parks at nacelle height - comparing radar with ultrasound recordings, *Polina Krapivnitckaia*
- Studying the flight behaviour of black-tailed godwits – visual observations versus the use of a 3D bird radar, *Rogier Verbeek*
- Measuring bat occupancy and abundance using UAV-based line transect surveys, *David Young*

Location: ROOM 558 Workshop

- Regional scale policy development for offshore wind, *RWS/RHDHV*

- 12:30 – 13:00** **Product Demo Robin Radar 3D MAX**
- 12:30 – 13:30** Lunch **Product Demo Wildlife Acoustics** in ROOM 559
- 13:30 – 15:00** **Presentations**

Location: LAMORAAL Uncertainty in risk assessments (offshore)

- Integrating Motus tracking into aerofauna monitoring at offshore wind projects, *Evan Adams*
- Simultaneous measurements of nocturnal bird migration in two offshore wind farms in the Netherlands, *Jacco Leemans*
- Assessing individual movement, habitat use, and behavior of non-breeding marine birds in relation to planned offshore wind development in the eastern U.S., *Julia Gulka*
- From assumption to fact: How three-dimensional tracking of seabird distributions and behaviour can inform future risk assessments for offshore windfarms, *Saskia Wischniewski*

Location: ABDIJ Species responses (onshore)

- Migration timing is more important than flying heights: soaring birds and wind farm mitigation near the gulf of suez (gos), Egypt, *Alvaro Camina*
- Bird contrast sensitivity and wind turbines collisions, *Constance Blary*
- Do vultures display avoidance behaviours in front of wind turbines?, *Yohan Sassi*
- Birds change flight altitude when approaching wind turbines, *Thorsten Balsby*

Location: ROOM 522 Planning issues

- Consideration of ornithological impacts associated with wet-storage strategies for floating wind consents in Scottish waters, *Graeme Cook*
- Science, policy and industry working together in Scotland to develop impact assessment guidance for offshore wind farms and marine birds, *Alexandra Robbins*
- Can a strategic approach improve practices? A case study in NE of Brazil, *Miguel Mascarenhas*
- Regional divergences of the EIA process in Brazil. Case study when licensing wind farms, *Helena Coelho*

- 15:00 – 15:30** Tea / coffee

- 15:00 – 15:30** **Product Demo Robin Radar 3D MAX**

- 15:30 – 17:00** **Dutch Wozep session location: LAMORAAL**

- 17:00 – 18:30** **POSTER RECEPTION**

- 19:00** **Conference dinner**

WEDNESDAY

APRIL 6

08:30 - 10:00 Presentations

Location: ROOM 558
Workshop

- Why mortality thresholds definition is so difficult?, *Miguel Marcarenhas, BE Bioinsight & ECOA*

Location: LAMORAAL
Special session

- Cumulative Impacts of Offshore Wind Energy Development: Problems, Progress, and Future Priorities, *Kate Williams, Biodiversity Research Institute*

Location: ABDIJ
Wind and wildlife interaction in practice (bats)

- Bat activity in windfarms during high wind speed. Is migration a contributing factor?, *Martijn Boonman*
- Species-specific effectiveness of an ultrasonic acoustic bat deterrent using experimental trials in a flight cage, *Sarah Fritts*
- What we know about the efficacy of curtailment after a decade of research and why it matters, *Michael Whitby*
- Acoustic Sensor-based Smart Curtailment: Year 1 Field Results of Turbine Integrated Mortality Reduction (TIMR) Validation Study and Lessons Learned for Future Projects *Christian Newman*

10:00 - 10:30 Coffee / tea

Product Demo Robin Radar 3D MAX

10.30 - 12.15 Presentations

Location: LAMORAAL
Species responses (offshore)

- Telemetry reveals strong impacts of offshore wind farms on common guillemots and northern gannets and differing reactions of black-legged kittiwakes during the breeding season, *Verena Peschko*
- Review of current and planned monitoring of seabird behaviour across operational wind farms, *Tim Kasoar*
- An individual based approach to understanding barrier effects on a seabird colony exhibiting individual foraging site fidelity (IFSF), *Christopher Pollock*
- Investigating avoidance and attraction responses in lesser black-backed gulls *Larus fuscus* to offshore wind farms, *Daniel Johnston*

Location: ABDIJ
Cumulative (population) effects (onshore)

- Life-cycle impacts of onshore wind-power plants on bird richness, *Roel May*
- Cumulative impact of the wind sector on bird populations in Portugal, *Paulo Cardoso*
- Flight height distributions of five European raptor species and their implications for collision risk in relation to wind turbine design, *Tonio Schaub*
- Composition and structure of bat communities in two wind parks in southern Mexico: A multiyear analysis, *Rafael Villegas-Patracá*

Location: ROOM 522
Wind and wildlife interaction in practice (offshore)

- Are seabirds displaced from offshore wind farms? Initial results using a new method, *Mark Trinder*
- Results of Testing - A Multi-Sensor Approach for Measuring Bird and Bat Collisions with Wind Turbines, *Jennifer Stucker*
- Aerial photogrammetry of seabirds from digital aerial video images using relative change in size to estimate flight height, *Kelly Macleod or Martin Scott*
- A study of seabird flight behaviour within an offshore wind farm, *Mike Armitage*

12:15 - 19:00

Excursions

Packed lunches or lunch on site

PROGRAMME

THURSDAY APRIL 7

09:00 - 10:30 Plenary session

Location: ZUIDERDUIN
Plenary session

- Marine interactions – *Beth Scott*
- Emerging markets – *Lori Anna Conzo*

10:00 - 11:00 Coffee / tea

11:00 - 12:30 Presentations

Location: LAMORAAL
Special session

- Emerging markets, *Natural Power/BTO/Waardenburg Ecology*

Location: ABDIJ
Cumulative (population) effects (offshore)

- Quantifying the population-level consequences of displacement from offshore renewable developments on seabirds, *Francis Daunt*
- An assessment of long-term population changes in divers (*Gavia* sp.) in relation to the development of offshore wind farms, *Ansgar Diederichs*
- On the food web ecology of offshore artificial hard substrates, the kingdom of suspension feeders, *Ninon Mavraki*
- Introduction to LiDAR for accurate and precise measurement of bird flight heights, *Anya Wicikowski*

Location: ROOM 522

Wind and wildlife interaction in practice (onshore)

- Airborne wind energy technology – a new challenge for avian collision risk assessment, *Gillian Vallejo*
- Flight behaviour of Eurasian Eagle-owls suggests a low collision risk with modern wind turbines, *Thomas Grünkorn*
- Wind turbines and Honey buzzards in the Netherlands: from science to policy, *Erik Klop*
- Vulnerability of avian populations to wind energy production, *Tara Conkling*

Location: ROOM 558
Workshop

- Don't throw away bat data, *C. Roemer*

12:30 - 13:00 **Product Demo Robin Radar 3D MAX**

12:30 - 13:30 Lunch

13:30 - 15:00 Presentations

Location: LAMORAAL
Special session

- Offshore WIND goes WILD: subsea habitat modifications, *Remment ter Hofstede, Delft University of Technology*

Location: ABDIJ

Wind and wildlife interaction and practice (emerging markets)

- Integrated System for Protection of Birds in Kaliakra SPA, NE Bulgaria – results after four years of application on the food web ecology of offshore artificial hard substrates, the kingdom of suspension feeders, *Ninon Mavraki*
- Reconciling vulture conservation and clean energy production in the Golan Heights, *Filipe Canário*
- Real-time bird detection and collision risk control in wind farms, *Martin Georgiev*
- Standardizing post-construction fatality monitoring data collection and dissemination for emerging-market wind power projects, *Paul Rabie*

Location: ROOM 522

Cumulative population effects (mix)

- Assessing the demographic impact of bird collisions with wind turbines, *Thierry Chambert*
- Method for defining appropriate Acceptable Levels of Impact on bird populations, *Astrid Potiek*
- Seasonal drivers of nocturnal bird migration flight altitudes offshore and implications for wind energy, *Maja Bradarić*
- Hatching a Plan: Tackling the Challenge of Seabird Compensation, *Fraser Carter*

15:00 - 15:30 Tea / Coffee

15:30 - 17:30 **POSTER RECEPTION**

18:00 **BBQ at the beach location: NAUTILUS BEACH CLUB**

PROGRAMME

FRIDAY APRIL 8

09:00 - 10:30 Presentations

Location: LAMORAAL Outlook to the future (emerging markets)

- Winds of change – planning, perspective and partnership as we move forward with wind energy and wildlife interactions in Africa, *Kate L. MacEwan*
- Toward global solutions for reducing the risk of wind energy facilities on bat populations, *Winifred Frick*
- International Horizon Scan of Emerging Environmental Issues for Land-Based and Offshore Wind Energy Development, *Bob Rumes*
- Implementing mitigation measures for collision impacts at a Kenyan wind farm, *Dominic Kimani*

Location: ABDIJ Outlook to the future (offshore)

- Potential ecosystem effects of large-scale implementation of offshore wind in the North Sea, *Luca van Duren*
- PREDICT: Predicting seasonal movements of marine top predators using fish migration routes and autonomous platforms, *Georgina Hunt*
- Nature enhancement and offshore wind - A future filled with opportunity? *Eline van Onselen*
- Scaling up offshore nature enhancement: a framework to define ecological targets and how to reach them most efficiently, *Wouter van Broekhoven*

Location: ROOM 522 Mitigation hierarchy

- Is a curtailment approach purely based on weather variables suitable to reduce collision risk at wind turbines for Red Kites? *Janine Aschwanden*
- Optimal Bat Curtailment, *Christian Newman*
- Kittiwake artificial nest provisioning as a compensation measure for potential collision mortalities from offshore wind turbines: A Hornsea Three case study, *Elizabeth Morgan*
- Development of wind farms in forest habitats - using a mitigation hierarchy to minimize impacts on large carnivores, *Hrvoje Peternel*

10:30 - 11:00 Coffee / tea

11:00 - 12:30 Plenary closure
Steinar Eldøy on scaling up wildlife-friendly energy
Interactive closing medley by SAC
Wrap up by MiER improvisation cabaret

12:30 - 13:30 Lunch

