

# Tracking bird migration over the seas: Fundamental patterns and their applications for offshore wind farms



4-5 February 2019

Vertretung des Landes Schleswig-Holstein beim Bund  
In den Ministergärten 8  
10117 Berlin

## Monday, 4 February 2019

- 12:00 *Welcome coffee, soup, registration*
- 13:00 **Stefan Garthe**  
Welcome and introduction
- 13:10 **Henning von Nordheim**  
Keynote of the Federal Agency for Nature Conservation
- 13:30 **Phil Taylor**  
The Motus Wildlife Tracking network:  
A collaborative network for the study of wildlife movement
- 14:20 **Vera Brust**  
Songbird migration and offshore wind farms – a radiotelemetry approach
- 15:10 *Coffee break*
- 15:50 **Sander Lagerveld**  
Coastal and offshore bat migration at the southern North Sea
- 16:30 **Tony Fox**  
Waterbird migration and mounting human pressures: the importance of understanding population dynamics
- 17:20 **Volker Dierschke**  
Bird migration crossing the German North Sea and collision risk at offshore wind farms: Can we predict periods of high sensitivity?
- 17:50 **Maren Rebke**  
Long-term monitoring of nocturnal flight calls: Do migrating birds react to illuminated anthropogenic structures offshore?
- 18:20 *End of day 1*
- 18:40 *Social dinner*
- 21:00 *Conference building closes*

## Tuesday, 5 February 2019

- 08:30 *Welcome coffee*
- 09:00 **Richard Phillips**  
Individual foraging and movement strategies in seabirds
- 09:50 **Stefan Garthe**  
Movements of seabirds and coastal birds: Long-distance migration, foraging flights and offshore wind farms
- 10:35 **Philipp Schwemmer**  
Flight heights and spatio-temporal patterns of Curlew migration across North Sea and Baltic Sea
- 11:00 *Coffee break*
- 11:30 **Wolfgang Fiedler**  
Trackers – Banders – Citizen Scientists: the interplay between animal tracking, bird ringing and the public in the example of White Stork tracking
- 12:10 **Stefan Garthe & Ommo Hüppop**  
Final discussion and outlook
- 12:30 *End of conference, lunch break*

Further information and registration:

<http://www.ftz.uni-kiel.de/en/research-divisions/ecolab-marine-animal-ecology/bird-migration-conferences>

# Bird migration and offshore wind farms: Do multi-sensor systems help to answer important knowledge gaps?



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## Tuesday, 5 February 2019

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|-------|--|-------|--|
| 13:30 | <b>Reinhold Hill</b><br>Welcome and introduction   | 15:45 | <b>Abel Gyimesi</b><br>Measuring and predicting bird migration at rotor height   |
| 13:40 | <b>Manfred Zeiler</b><br>Keynote of the Federal Maritime and Hydrographic Agency of Germany  | 16:05 | <b>Henrik Skov</b><br>Multi-sensor system provides evidence of seabird avoidance and collision risk at offshore wind farms |
| 13:50 | <b>Ralf Aumüller</b><br>Evidence and gaps in the study of bird-turbine interactions: Examples from the North Sea                         | 16:35 | <b>Aonghais Cook</b><br>How can we use technology to better assess collision risk?   |
| 14:10 | <b>Sibylle Giraud</b><br>An outlook on the different generations of bird radars  | 17:15 | <b>Reinhold Hill &amp; Markus Molis</b><br>Final discussion and outlook  |
| 14:30 | <b>Agustín Riopérez</b><br>DTBird, advantages and limitations for offshore bird monitoring and mortality mitigation                      |       |  |
| 14:50 | <b>Jochen Bellebaum</b><br>Estimating collision risk and avoidance at off-shore wind farms with IR-sensitive cameras and advanced radars |       |  |
| 15:10 | <i>Coffee break</i>  |       |  |

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