Conference Agenda

Monday, March 9

18:00 - 21:00

Conference Reception

Day 1 Tuesday, March 10

08:00 - 09:00

Registration/ Coffee & Pastries

	Convener: Johann Kö	ppel <u>Plenary Hall A</u>
09:00 - 09:15	Opening & Welcome	
09:15 - 09:45	State Secretary Jochen Flasbarth	Federal Ministry for the Environment, Nature Conservation, Building and Nuclear Safety (BMUB)
09:45 - 10:25	Edward B. Arnett	A global perspective – Bats and wind energy development
10:25 - 11:05	Отто Нйррор	What we (should) know about offshore bird migration

11:05 - 11:25

Coffee Break/ Poster/ Innovation Exposition (20 min)

11:25 - 12:55	Session 1a: To	ols & Technology	Session 7b: Pla	Session 7b: Planning & Siting			
	Chair: Cindy H	ull <u>Session Hall C1</u>	Chair: Rowena	Langston	Session Hall B		
	Christian Voigt	Using miniaturized GPS to monitor the movement of bats in proximity to wind turbines	Marc Reichenbach	Wind turbines and bi many – a review of c knowledge, new insign remaining gaps	urrent		
	Aya Taniguchi	Can video image of bird strike contribute to elucidation of collision mechanism?	Maarten Platteeuw	Towards an instrume scribing and assessin effects of offshore w birds, bats and marin in the southern Nort	g cumulative ind farms on ne mammals		
Masca (Ana Ter	Miguel Mascarenhas (Ana Teresa Marques)	From gigantic databases to targets of interest: using machine learning techniques to filter radar databases	Alkis Kafetzis	Wind farms in areas thological value - cor tions, challenges: The Thrace, Greece	nflicts, solu-		
	Chris Thaxter	GPS telemetry reveals within-wind farm behavior of Lesser Black- backed Gulls during the breeding season	Benedict Gove	Wind farms and Bird analysis of the effect farms on birds, and b guidance on integrat and impact assessme	es of wind best practice red planning		

12:55 - 13:55

Lunch Break/ Poster/ Innovation Exposition (60 min)

13:55 - 15:25	Session 2a: Species Behavior & Behavioral Response Chair: Roel May			Session 6b: Monitoring Approaches & Long-term Effects Chair: Andrew Gill Session Hall I		
	Alvaro Camiña	Reduced effect of the Golden Eagle (atos) in Spain and E	Aquila chrysae-	Jennifer Dannheim	Lessons learned from the benthic monitoring evaluation in alpha ventus	

	Klaus Hochradel	Bats are attracted to wind tur- bines – determining the distribu- tion of bats by a stereo thermal camera system	Holger Janßen	Offshore wind farms in the south- western Baltic Sea: A model study of regional impacts on oxygen conditions and on the distribution and abundance of the jellyfish Aurelia aurita
	Cris Hein	Monitoring Bat Activity and Behavior at Wind Turbines Using Thermal Imagery and Ultrasonic Acoustic Detectors	Hendrik V. Winter	Evaluating the effects of offshore wind farms on fish: experiences from the Netherlands
	Hermann Hötker	Red Kites and wind farms – telemetry data from the core breeding range	Debbie Russell	The effects of construction and operation of wind farms on harbour seals (<i>Phoca vitulina</i>).

15:25 - 16:05 Coffee Break/ Poster/ Innovation Exposition (40 min)

	conce breaky restery minovation exposition (40 min)					
16:05 - 17:35	Session 3a: Co	ollision Risk & Fat I B. Arnett	ality Estimations Session Hall C1		litigation, Compens ffectiveness of Mea Smallwood	
	Jay Diffendorfer	•	impacts of future velopment on birds United States	Oliver Behr	'Bat-friendly' ope turbines – the cur knowledge and pl dures in Germany	rrent status of lanning proce-
	Thomas Grünkorn		an mortality rates I turbines in north-	Virginia Morandini	Avian mortality in State of the Art in	
	Regina Bispo	Enhancing the s carcass removal birds at wind fa	trials for bats and	Joana Bernardino (Anabela Paula)	Compensation so with wind farm's the challenges of theory to practice	impacts on birds: moving from
	Sabrina Weitekamp	Predictive mode ical data – collis relation to flight German wind fa	activity in 55	Ricardo Tomé	Radar assisted shi mand ensures zer mortality at a win a migratory flywa	ro soaring bird and farm located in
17:35 - 17:45	Announcemer	nts & Closing		Announceme	nts & Closing	

17:45 - 21:00

Poster Reception/ Innovation Exposition/ Light Refreshments

Day 2 Wednesday, March 11

08:30 - 09:00

Coffee & Pastries

			Session 4b: Landscape Features & Gradien Chair: Christian Voigt Session		& Gradients <u>Session Hall B</u>	
09:00 - 09:05	Welcome & Ai	nnouncements		Welcome & A	nnouncements	
09:05 - 10:20	Allix Brennink- meijer			Fabio Bontadina	Massive bat migration across the Alps: implications for wind energy development	
	Hanjo Steinborn	Impact of wind tur land birds	bines on wood-	Hendrik Reers	Bat activity at nad forests	celle height over
	Sonja Krüger	Using spatial analyses of Bearded Vulture movements in southern Africa to inform wind turbine placement		Petra Bach	Activities and fatalities of Nath us's Bat at different wind farm Northwest Germany	

10:20 - 10:40

Coffee Break/ Poster/ Innovation Exposition (20 min)

10:40 - 12:50		itigation, Compensa fectiveness of Meas Scheidat		Session 3b: Collision Risk & Fatality Estimations Chair: Kjetil Bevanger Session Hall B		
	Michael Bellmann	Is there a State-of- ing Noise Mitigation reduce Pile Driving	on Systems to	Julie Beston	Factors affecting as levels at onshore w the United States	•
	Philipp Stein	Measurements of emissions and soil during monopile ir combinations of in noise mitigation sy	vibrations nstallation with ndependent	Martin Perrow	Avoidance of an of farm by a breeding implications for the newables industry	seabird has
	Alexander Schubert	Noise mitigation re effects of pile drivi porpoises	•	Matthew Merrill	Methodology to as wildlife from wind opment	· ·
	Eva Philipp	Mitigation of piling construction of off farms – special foo Tysk	fshore wind	Manuela Huso	Evidence of Absence of Evidence? Inferr When X=0	
	Heidi van der Meij	FaunaGuard imple Dutch North Sea; e an acoustic porpoi device validated	effectiveness of	Timothy Coppack	Avian collision risk avoidance rates de existing offshore w	termined at an
	Ursula Verfuss	Does noise mitigat Population conseq noise on marine m and without the ap noise reduction m	uences of piling nammals with oplication of	Hein Prinsen	Wind farm impact overview from ons ies and application procedures in the I	hore field stud- in legislation

12:50 - 13:50

Lunch Break/ Poster/ Innovation Exposition (60 min)

	Convener: Me	Plenary Hall A			
13:50 - 14:30	Cindy Hull	Wind energy down under:	what have we le	earnt?	
14:30 - 15:10	Andrew Gill	Filling gaps in understandir marine animals and offsho			s between
15:10 - 15:20	Change of roo	ms			
15:20 - 16:30	Session 6a: Monitoring Approaches & Long-term Effects Chair: Hans Buser Session Hall C2		Session 2b: Species Behavior & Behavioral Responses Chair: Ommo Hüppop <u>Session Hall E</u>		
	Thoralf Hoth	Are offshore wind farms the wishing table for fish? – How demersal fish species benefit from Biofouling?	Jared Wilson	Estimating the effort season displacement effects from offshorn on seabird demog	ent and barrier ore wind farms
	Pavel Zehtindjiev	Bird migration monitoring in the Saint Nikola Wind Farm territory, NE Bulgaria, and analysis of poten- tial impact after five years of operation	Reinhold Hill	After construction migration patterns wind farm	· ·
	Fiona Mathews	A nationwide assessment of the impacts of wind turbines on bats	Elisabeth Debusschere	Offshore pile-drivi fish, a destructive	0 , 0

16:30 - 17:00

Coffee Break (30 min)

	Convener: JO. Helld	in Plenary Hall A
17:00 - 17:40	Roel May	Avoid being trapped: Theoretical foundations for avian responses to wind
		turbines
17:40 - 18:20	Kjetil Bevanger	Facts on bird collisions with power lines – have we taken it on board to understand and mitigate bird wind-turbine conflicts?
18:20 - 18:30	Closing & Announcem	nents

18:30 - 22:00

Conference Dinner

Day 3 Thursday, March 12

08:30 - 09:00

Coffee & Pastries

	Session 7a: Planning & Siting			Session 1b: Tools & Technology			
	Chair: JO. Helldin		Session Hall C2	Chair: Marc Re	eichenbach	Session Hall B	
09:00 - 09:05	Welcome & Ar	nnouncements		Welcome & Ar	nouncements		
09:05 - 10:55	Tristram Allinson			Rowena Langston	Exploring the utility telemetry in wind e ronmental impact a	nergy envi-	
	Deron Lawrence	•					
	Ulla Mörtberg	Wind power plann the treatment of b ecosystem service	iodiversity and	Karen Krijgsveld	Bird collisions at OV wind farm measure		
	Veronika Braunisch	A spatial concept f power developme gered species' hab ning the precautio with evidence.	nt in endan- itats: Underpin-	Görres Grenzdörffer	A bird's-eye view of energy and wildlife: sampling design for surveys	optimizing the	
	Karin Sinclair	WREN – A New Int Collaborative Und tional Energy Ager	er the Interna-	Caroline Höschle	Applying the wirelessystem (WDS)-a reastoring tool for porparound construction	l-time moni- oise activity	

10:55 - 11:15

Coffee Break/ Poster/ Innovation Exposition (20 min)

	Convener: Johann Köppel <u>Session Hall C2</u>	Convener: Mi	chelle Portman Plenary Hall A	
11:15 - 12:35	WREN Panel (80min)	Short Presentations & Debate (80min)		
	WREN – Working Together to Resolve Environ- mental Effects of Wind Energy	Lothar Bach	The importance of offshore bat investigation in wind farm planning	
	VISION IEA Wind Task 34 – WREN is the leading international forum for supporting deployment of wind energy technology across the globe through a better understanding of environmental issues, efficient monitoring programs, and effective mitigation strategies.	Adeline Bas	Ecological Equivalency and Offsetting in the context of Offshore Wind Farms: Myth or Reality? A discussion on the practice of offsetting through the example of offshore wind farms projects in France.	

https://www.ieawind.org/task_34.html	Finlay Bennet	Cumulative effects assessment and the precautionary principle: what goes up must come down. The Scottish regulatory experience with offshore wind and declining seabird populations
This international panel will focus on the risks and challenges associated with the implementation of adaptive management and how to manage those challenges. The panel will discuss current adaptive management research being conducted in different countries and focus on how adaptive management is implemented from a biological, operational, and financial perspective.	Robert Furness	Cumulative impacts of offshore wind farms on seabird populations: when will compensation for impacts on SPA features be required?
	Colin Galbraith	The Scottish Wind farm Bird Steering Group: A model for Best Practice and collaborative research?
	Jesper Kyed Larsen	Beyond monitoring – understanding impacts
	Alessandra Maciel	Development of wind energy and environmental impacts in Brazil

12:35 - 13:35

Lunch Break/ Poster/ Innovation Exposition (60 min)

	Convener: Rowena Langston Plenary Hall	
13:35 - 14:15	Shawn Smallwood	What comes next? - The challenges of repowering
14:15 - 14:55	Johann Köppel	What have we learnt so far? A synoptical perspective on wind energy's wild- life implications
14:55 - 15:35	Summary (Session Chairs)	
15:35 - 15:50	Poster Award	
15:50 - 16:05	Announcements & Closing (Convener: Johann Köppel)	

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