

# PROGRAMME

## OCTOBER 5<sup>TH</sup>

09:00-10:00 Registration and coffee

<b>10:00-11:00</b>	<b>Opening session – Auditorium 1</b> 'Per Kirkeby' <b>Lauritz B. Holm Nielsen</b> , Rector Aarhus University <b>Lea Kauppi</b> , Chairman of PEER, Director of Finnish Environment Institute <b>Marianne Thyrring</b> , Permanent Secretary, Danish Ministry of the Environment <b>Ronan Uhel</b> , Department Head, European Environment Agency Practical information
<b>11:00-12:00</b>	<b>Plenary session</b> <b>Roger Owen</b> (Invited speaker): Experience from implementing the Water Framework Directive <b>1</b> <b>Stefano Galmarini</b> (Invited speaker): Air quality in Europe – what are the challenges for science and management.
<b>12:00</b>	<b>Lunch</b>
<b>13:00-14:30</b>	<b>Plenary session</b> <b>Doug Evans</b> (Invited speaker): Science based nature conservation in Europe: Lessons from the Habitats Directive <b>2</b> <b>Bill Sutherland</b> (Invited speaker): Biodiversity in an uncertain future - the role of predictive conservation ecology. <b>Andrew Sharpley</b> (Invited speaker): Phosphorus management in agricultural systems. <b>3</b>
<b>14:30</b>	<b>Coffee break</b>

	<b>Contributed session</b>	<b>Special session</b>	<b>Special session</b>	<b>Special session</b>
<b>15:00</b>	<b>Auditorium 1</b> 'Per Kirkeby'  <b>Topic 1 Directives</b> Chair: Poul Nordemann Jensen  <b>Lars Rudfeld</b> (Danish Ministry of the Environment): Management Planning System for Natura 2000 sites <b>4</b>  <b>Lise-Samsoe Petersen</b> (Danish Ministry of the Environment): Challenges in developing pesticide indicators and setting targets <b>5</b>  <b>Henrik Josefsson</b> : The Water Framework Directive – A Directive for the Twenty-first Century? <b>6</b>  <b>Sandra Poikane</b> : Are we measuring what we need to measure? The ecological assessment for management of European marine and fresh waters <b>7</b>  <b>Ilona Bärlund</b> : Ten years of WFD implementation in Europe: a critical review based on the experience made in Germany <b>8</b>	<b>Auditorium 2</b> 'Merete Barker'  <b>Links between biodiversity and soil ecosystem services</b> Chair: Anne Winding  <b>Anne Winding</b> : Ecological Function and Biodiversity Indicators in European Soils <b>9A</b>  <b>Paul Henning Krogh</b> : Ecological properties of earthworm burrows in an organically managed grass-clover system <b>9B</b>  <b>Stefan Geisen</b> : Identification, functional roles and ecosystem services of protozoa in soil <b>9C</b>  <b>Anne Winding</b> : Impact of functional microbial diversity on soil ecosystem services and assessment thereof <b>9D</b>  <b>Mette Termansen</b> : Economic Analysis of Conservation in Soil Biodiversity and Ecosystem Services <b>9E</b>	<b>Auditorium 3</b> 'Eduard Biermann'  <b>Green energy policies.</b> Chair: Daniela Perrotti  <b>Daniela Perrotti</b> : The main scientific challenge for the session, and the European legislation context <b>10A</b>  <b>Stanislas Herion</b> : The French national and regional context: Region Centre – Vallée de la Beauce <b>10B</b>  <b>Daniela Perrotti</b> : The Italian national and regional context: Regione Puglia – Parco Nazionale dell'Alta Murgia : Regione Lombardia – Regione Rurale Padana <b>10C</b>  <b>Marina Frolova</b> : The Spanish example: Comunidad Autónoma de Andalucía – Alpujarra et Valle de Lecrín: Comunidad Autónoma de Castilla y León - Comarca de "La Mudarra" <b>10D</b>	<b>Auditorium 4</b> 'Jeppe Vontillius'  <b>AQUARIUS</b> Chair: Irene Wiborg  <b>Irene Wiborg, Anne Mette Sørensen Langvad, Anna Hanson and Trine Balskilde Stoltenborg</b> : Bridging the gaps between science, regulation and practice in water environment management <b>11</b>
<b>16:45-18:15</b>	<b>Poster session + drinks P38-65</b>			
<b>19:00-19:30</b>	<b>Arrival and drinks Turbinehallerne</b>			
<b>19:30-01:00</b>	<b>Dinner Turbinehallerne</b>			

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**OCTOBER 6<sup>TH</sup>**

08:00-09:00 Registration	Auditorium 2 'Merete Barker'	Auditorium 3 'Eduard Biermann'	Auditorium 4 'Jeppe Vontillius'
	<b>Contributed session</b>	<b>Special session</b>	<b>Contributed session</b>
<b>09:00</b>	<p><b>Topic 2: Biodiversity</b> Chair: Flemming Skov</p> <p><b>Atte Moilanen</b> (Invited speaker): Disentangling the complexity of biodiversity using ecoinformatics</p> <p><b>Carsten Nesshöver</b> (Invited speaker): Improving the science-policy on biodiversity and ecosystem services: a major challenge for the environmental science and policy <b>12</b></p> <p><b>Henrik Enghoff</b>: The blurred baseline: Denmark's unknown biodiversity <b>13</b></p> <p><b>Gerd Lupp</b>: Land Use Management, Ecosystem Services and Biodiversity - Developing Regulatory Measures for Sustainable Energy Crop Production (LÖBESTEIN) <b>14</b></p> <p><b>Toke Thomas Høye</b>: Evaluating and communicating simulated wildlife responses to land-use scenarios <b>15</b></p>	<p><b>Climate models: Uncertainties, effects and adaptation</b> Chair: Jens Christian Refsgaard</p> <p><b>Jens Christian Refsgaard</b>: Climate change adaptation strategies: Water management options under high uncertainty - A Danish example <b>16A</b></p> <p><b>Jay S. Gregg</b>: Development of Decision Support Matrices for Climate Change Adaptation Planning <b>16B</b></p> <p><b>Jørgen E. Olesen</b>: Uncertainties in assessing climate change impacts and adaptation in agriculture <b>16C</b></p> <p><b>Manuel Montesino</b>: Uncertainties in Agriculture Impact Studies under Climate Change <b>16D</b></p>	<p><b>Topic 4: Management tools</b> Chair: Nikolai Friberg</p> <p><b>Brian Kronvang</b> (invited speaker): A hindcast and forecast of catchment management strategies and outcomes for nutrients in Denmark</p> <p><b>Francisca Neumann</b>: Harmonized modelling of nutrient emissions into and loads in European river systems <b>17</b></p> <p><b>Line Block Hansen</b>: Environmental and economic effects of regulating phosphorus use and losses from the agricultural sector - an empiric study <b>18</b></p> <p><b>Laura O. Petrov</b>: Scientists and Stakeholders working together on land use modelling at the regional scale: an input to urban sustainable indicators for Europe <b>19</b></p> <p><b>Andrew J. Wright</b>: The science-policy disconnect: language issues at the science-policy boundary <b>20</b></p>
<b>10:40 Coffee break</b>			
	<b>Special session</b>	<b>Contributed session</b>	<b>Contributed session</b>
<b>11:10</b>	<p><b>Science-based nature management</b> Chair: Morten Tune Strandberg</p> <p><b>Morten Tune Strandberg</b>: Management of Danish inland wet heathland <b>21A</b></p> <p><b>Knud Erik Nielsen</b>: Is current management of semi-natural ecosystems short-sighted and limited, rather than science based and having a long sight? <b>21B</b></p>	<p><b>Topic 3: Low impact - low carbon</b> Chair: Lise Marie Frohn</p> <p><b>Simone Bastianoni</b> (Invited speaker): Environmental sustainability in Europe from an ecosystems perspective - research status and scientific challenges</p> <p><b>Torben Sigsgaard</b> (Invited speaker): Health effects from air pollution - research status and scientific challenges</p>	<p><b>Topic 4: Management tools II</b> Chair: Brian Kronvang</p> <p><b>Anthony Fox</b>: Biodiversity over the horizon: modelling the distribution and abundance of marine waterbirds in the Inner Danish Waters <b>25</b></p> <p><b>Stefan Heinänen</b>: Useful tools for assessing conservation targets and impacts on marine habitats - examples of waterbird populations and marine infrastructures <b>26</b></p>

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Auditorium 1 'Per Kirkeby'	Auditorium 2 'Merete Barker'	Auditorium 3 'Eduard Biermann'	Auditorium 4 'Jeppe Vontillius'	Room 5 'William Scharff'
	<p><b>Christian Damgaard:</b> State-space modeling indicates rapid invasion of an alien shrub in coastal dunes <b>21C</b></p> <p>+ P39-41, P61-62</p>	<p><b>Gert Tinggaard Svendsen:</b> How to promote green industries? – Emission trading, subsidies and innovation <b>22</b></p> <p><b>Jørgen Brandt:</b> Assessment of Health-Cost Externalities of Air Pollution in Denmark and Europe using the EVA Model System <b>23</b></p> <p><b>Elena Boriani:</b> Evaluation of soil ecosystem health and services according to sustainability thresholds for industry impacts <b>24</b></p>	<p><b>Irene Bouwma:</b> Management instruments for Natura 2000 areas: Use or modify the old or develop something new? <b>27</b></p> <p><b>Thomas Thaler:</b> Use of environmental benefits in policy decision process <b>28</b></p> <p><b>Massimo Pizzol:</b> The role of time scale in assessing external costs of metal emissions <b>29</b></p>	
<b>12:50 Lunch</b>				
<b>13:40 Workshop session</b>	<b>Workshop session</b>	<b>Workshop session</b>	<b>Workshop session</b>	<b>Workshop session</b>
<p><b>Data collection and data strategy 30A</b></p> <p>Workshop leader Lise Marie Frohn</p>	<p><b>Evidence based nature management. 30B</b></p> <p>Workshop leader: Peter Borgen Sørensen</p>	<p><b>Nature management in a climate perspective. 30C.</b> Workshop leader: Flemming Skov</p>	<p><b>The battle for land. 30D.</b> Workshop leader: Jim Smart</p>	<p><b>Management tools. 30E</b></p> <p>Workshop leader: Brian Kronvang</p>
<b>15:10 Coffee break</b>				
	<b>Special session</b>	<b>Special session</b>	<b>Contributed session</b>	
	<p><b>The economics of water quality</b></p> <p>Chair: Marianne Zandersen</p> <p><b>Marianne Zandersen:</b> Bio-engineering in the Baltic Sea – value of water quality improvements &amp; risk perceptions <b>31A</b></p> <p><b>Berit Hasler:</b> Integrated modelling to support cost-effective management of nutrient reductions to the Baltic Sea <b>31B</b></p> <p><b>Jim Smart:</b> A translog approach for estimating the costs of improving waste water treatment in catchments draining into the Baltic Sea <b>31C</b></p>	<p><b>Constructed wetlands</b></p> <p>Chair: Carl Christian Hoffmann</p> <p><b>Carl Christian Hoffmann:</b> Comparing two surface flow wetlands for removal of nutrients in agricultural drainage water <b>32A</b></p> <p><b>Karin S. Tonderski:</b> Nitrogen and phosphorus removal in Swedish agricultural wetlands <b>32B</b></p> <p><b>Børje Ekstam:</b> Many plants are wanted, but are they colonizing constructed wetlands? <b>32C</b></p> <p><b>Charlotte Kjaergaard:</b> Drainage filters and constructed wetlands to mitigate site-specific nutrient losses <b>32D</b></p>	<p><b>Topic 1: Directives II</b></p> <p>Chair: Nikolai Friberg</p> <p><b>Ellen M. Basse:</b> A New Regulatory Design used by the EU – with the promotion of renewable energy as an example <b>33</b></p> <p><b>Marlon Boeve:</b> Sustainable urban development: the integrated approach <b>34</b></p> <p><b>Mireille Bogaart:</b> Flexibility in the European legal framework on air quality <b>35</b></p> <p><b>Ursula S. McKnight:</b> Integrated assessment of the impact of aqueous contaminant stressors on surface water ecosystems <b>36</b></p> <p><b>Jonida Abazaj:</b> Environmental Politics and the Need for Reconciliation: The case of the Water Framework Directive and the Renewable Energy Directive <b>37</b></p>	
<b>17:10-17:45 Concluding plenary session: Feedback from workshops</b>				