

Workshop Title	<p>title</p> <p>Nature-based solutions improving water quality, for healthy and resilient water systems for people and nature</p>
Topic	<p>X Improving water quality</p> <p>X Resilient water systems</p> <p>O Circular solutions: Reuse, Recover and Recycle</p> <p>O Transitions in water, agro/food and energy</p>
Leading Challenges and Solutions	<p>Challenges and solutions</p> <p>Water systems, including groundwater, are under heavy pressure in large parts of the world. Both the quantity and the quality are deteriorating under climate and global changes. As a result, nature areas are drying up and becoming polluted. Moreover, the availability of sufficient water for drinking water preparation and other uses, such as for agriculture, cannot be guaranteed. Healthy (ground)water systems are valuable for humans and nature. Protection and restoration of resources require adaptation of water and land use. Taking into account larger fluctuations in (ground)water levels and combining measures for both quantity and quality are important.</p> <p>This session is about nature-based solutions and strategies for improvement of the quality of water systems for people and nature.</p>
Session Chair	<p>Hilde Passier Deltares Netherlands hilde.passier@deltares.nl</p>
Session Description	<p>Session description (up to 50 words)</p> <p>The workshop on 'Nature-based solutions for healthy and resilient water systems for people and nature' will consist of two parts:</p> <p>In part 1 speakers will introduce the topic from different points of view (cities, rural areas, different climates). In part 2 there will be practical interaction on cases that apply and test nature-based solutions.</p>

Learning Outcomes	<p>1. Learning outcome 1</p> <p>The deterioration of (ground)water systems due to human activities and climate change</p> <p>2. Learning outcome 2</p> <p>Possible nature-based approaches to improve status of (ground)water systems, to make them healthy and resilient</p> <p>3. Learning outcome 3</p> <p>Knowledge exchange from real life cases with nature-based strategies and solutions</p> <p>Up to 50 words (in total).</p>
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Structure (interaction required!)	<p><input checked="" type="checkbox"/> Speakers</p> <p><input type="checkbox"/> Panel discussion</p> <p><input type="checkbox"/> Training</p> <p><input checked="" type="checkbox"/> Roundtables discussion</p> <p><input type="checkbox"/> World Cafe</p> <p><input type="checkbox"/> Other. Which?</p> <p>Speakers followed by panel discussion and interaction with the audience</p>
Speakers	<p>1. Ainhoa Gaudes Saez, Leitat, Spain: Nature-based Solutions: source or sink for alternative water sources in a context of climate change.</p> <p>2. Jan Staes, Universiteit Antwerpen, Belgium: Nature based solutions for protecting and restoring water resources</p> <p>3. Stefano Gamberoni, Joachim Rozemeijer, Nanne Hoekstra</p>

	<p>(Deltares): Workshop on 'Designing nature based solutions to improve water quality</p> <ul style="list-style-type: none"> <li>-The setting: integrated approach for Nature Based Solutions in the soil and water system (Stefano Gamberoni)</li> <li>-Nutrient capture in reactive barriers in soil and buffer zones in the Netherlands (Joachim Rozemeijer)</li> <li>-Reducing diffuse groundwater pollution via extensive methods inspired by remediation of historical pollution (Nanne Hoekstra)</li> </ul>
<p>Preferred Room Layout</p>	<p><input type="checkbox"/> Theatre Style</p> <p><input checked="" type="checkbox"/> Roundtables</p> <p><input type="checkbox"/> Other. Which</p> <p>-----</p>
<p>Preferred Supporting Materials</p>	<p>Screen, beamer, markers, paper, post-its, etc</p>