

Workshop Title	Regional strategies and advanced groundwater management to sustain freshwater supply in coastal regions under stress of salinization
Topic	<p>O 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: climate change, sea level rise, overexploitation of (ground)water resources, salinization, droughts</p> <p>Solutions: regional adaptation strategies, advanced groundwater management, managed aquifer recharge, brackish groundwater abstraction and use, water reuse.</p>
Session Chair	<p>Name: Klaasjan (K.J.)</p> <p>Surname: Raat</p> <p>Affiliation: KWR Water Research Institute</p> <p>The Netherlands</p> <p>Klaasjan.raat@kwrwater.nl</p>
Session Description	<p>Session description (up to 50 words)</p> <p>Coastal zones worldwide are under stress of overexploitation and salinization, threatening water supply to cities, industry and agriculture. This workshop discusses strategies and innovative technological concepts to manage groundwater resources, increase regional resilience and sustain freshwater supply. Examples from the Netherlands and Mediterranean are presented and evaluated with the participants.</p>
Learning Outcomes	<ol style="list-style-type: none"> 1. Insight into the growing impact of salinization on freshwater reserves in coastal zones. 2. Insight into the options to mitigate salinization of coastal aquifers through sustainable groundwater management (regional scale). 3. Insight into technological options and innovations to support sustainable groundwater management in coastal zones. <p>Up to 50 words (in total).</p>

<p>Structure (interaction required!)</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Speakers <input type="checkbox"/> Panel discussion <input type="checkbox"/> Training <input checked="" type="checkbox"/> Roundtables discussion <input type="checkbox"/> World café <input type="checkbox"/> Other. Which? <p>Part #1: We present regional adaptation strategies and technological innovations for sustainable groundwater management and water supply in coastal areas, based on practical cases from the Netherlands and the Mediterranean. Part #2: Small group discussions on application of strategies and technological concepts to other locations. Groups are chaired by the speakers and the session chair. Discussion of implementation barriers (technical, environmental, legal, governance) and knowledge gaps experienced / identified by the participants. In this way, participants develop ideas for strategies to improve groundwater management and increase regional resilience in their own (coastal) region. Part #3: chair / speakers will wrap-up the results of the discussions in a leaflet, which will be shared with all participants shortly after the conference.</p>
<p>Speakers</p>	<ol style="list-style-type: none"> 1. Dr Gertjan Zwolsman, Dunea, The Netherlands (managed aquifer recharge, brackish groundwater use, regional strategies) 2. Beatriz de la Loma González, MSc., Cetaqua (Centro Tecnológico del Agua), Spain (saltwater intrusion barriers) 3. Koen Zuurbier, PWN, The Netherlands (aquifer storage and recovery, brackish groundwater, regional strategies) 4. Mediterranean case #2 (to be confirmed; water reuse, managed aquifer recharge)

<p>Preferred Room Layout</p>	<p> <input type="checkbox"/> Theatre Style <input checked="" type="checkbox"/> Roundtables <input type="checkbox"/> Other. Which ----- </p>
<p>Preferred Supporting Materials</p>	<p>Screen, beamer, flipovers (one for each table)</p>