

# A package of solutions for the nwsas: how did we get here?



1. We have identified the main challenges and intersectoral linkages in the 1st Transboundary Workshop
2. We have defined key objectives and we have detailed many solutions and actions for different sectors
3. We have discussed solutions in National Consultations: prioritization, implementation, past experiences
4. We have combined **one package of (15) solutions for the NWSAS**: these are implementable and high-priority

	Water	Energy	Agriculture	Environment
Governance & international cooperation	<p><b>1.</b> Enhance <b>local water management</b> including by: revitalising <b>participatory</b> models in oasis and enhancing the enforcement of <b>existing laws</b> on water.</p> <p><b>2.</b> Reinforce <b>transboundary cooperation</b> for sustainable groundwater resource management.</p>	<p><b>6.</b> Enhance mechanisms for the <b>coordination of energy development with other sectoral plans</b>, to anticipate tradeoffs and build on intersectoral synergies.</p>	<p><b>9.</b> Set up <b>agricultural policies</b> oriented toward <b>reasonable, sustainable and productive agriculture</b>.</p> <p><b>10.</b> Valorize <b>local products</b> and strengthen programs for a more <b>balanced diet</b> while involving <b>young people and women</b> in economic and social development of the oases.</p>	<p><b>13.</b> Increase <b>awareness of the trade-offs and synergies</b> between different sectors in public institutions.</p>
Economic & Policy Instruments	<p><b>3.</b> Set up dedicated <b>policies and related incentives</b> for <b>wastewater reuse</b> in agriculture and urban areas.</p> <p><b>4.</b> Strengthening <b>water demand management</b>, including through water saving programs.</p>	<p><b>7.</b> Develop a sustainable program for diversified, <b>multi-purpose renewable energy</b> and the <b>sustainable upscale of small-scale solar irrigation</b>.</p>	<p><b>11.</b> Promote the <b>circular economy</b> including <b>agroecological practices</b>, by means of ad-hoc <b>economic measures and social instrument</b>.</p>	<p><b>14.</b> Upgrade <b>inter-sectoral cooperation</b> based on a detailed <b>water balance of the aquifer</b> that includes sectoral demands as well as environmental needs.</p>
Infrastructure & Innovation	<p><b>5.</b> Upscale the use of <b>non-conventional water resources</b> through desalination and wastewater treatment.</p>	<p><b>8.</b> Improve the reliability of the <b>electricity grid in the rural area</b>, thereby enhancing the integration of renewables for remote and multiple uses.</p>	<p><b>12.</b> Enhance <b>innovative practices and techniques for sustainable soil and crop management</b> and invest in their upscaling and dissemination.</p>	<p><b>15.</b> Systematize <b>environmental and social impact assessment</b> for all new <b>infrastructure</b> (large and small scale).</p>