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Évaluation du Nexus Eau-Energie-Alimentation-Ecosystèmes au niveau du bassin du Système Aquifère du Sahara Septentrional

Synergetic Goals Objectifs Synergétiques

Deuxième Atelier Régional SASS
Évaluation Nexus Eau – Alimentation - Energie -
Ecosystèmes dans le SASS
Hammamet, Tunisie, 18 – 19 Juin 2019

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

Synergetic Goal 1:

Coherent Planning for Sustainable Development in the NWSAS

	Water	Energy	Agriculture	Environment
Governance & international cooperation	2. Reinforce transboundary cooperation for sustainable groundwater resource management.	6. Enhance mechanisms for the coordination of energy development with other sectoral plans , to anticipate tradeoffs and build on intersectoral synergies.	9. Set up agricultural policies oriented toward reasonable, sustainable and productive agriculture .	13. Increase awareness of the trade-offs and synergies between different sectors in public institutions.
Economic & Policy Instruments				14. Upgrade inter-sectoral cooperation based on a detailed water balance of the aquifer that includes sectoral demands as well as environmental needs.
Infrastructure & Innovation				15. Systematize environmental and social impact assessment for all new infrastructure (large and small scale).

Synergetic Goal 2:

Enhanced Local Resilience to Basin Challenges

	Water	Energy	Agriculture	Environment
Governance & international cooperation	<p>1. Enhance local water management including by: revitalising participatory models in oasis and enhancing the enforcement of existing laws on water.</p>		<p>10. Valorize local products and strengthen programs for a more balanced diet while involving young people and women in economic and social development of the oases.</p>	<p>13. Increase awareness of the trade-offs and synergies between different sectors in public institutions.</p>
Economic & Policy Instruments		<p>7. Develop a sustainable program for diversified, multi-purpose renewable energy and the sustainable upscale of small-scale solar irrigation.</p>	<p>11. Promote the circular economy including agroecological practices, by means of ad-hoc economic measures and social instrument.</p>	
Infrastructure & Innovation	<p>4. Strengthening water demand management, including through water saving programs.</p>		<p>12. Enhance innovative practices and techniques for sustainable soil and crop management and invest in their upscaling and dissemination.</p>	

Synergetic Goal 3: Circular Economy through Non-Conventional Water and Renewable Energy

	Water	Energy	Agriculture	Environment
Governance & international cooperation				
Economic & Policy Instruments	<p>3. Set up dedicated policies and related incentives for wastewater reuse</p>	<p>7. Develop a sustainable program for diversified, multi-purpose renewable energy and the sustainable upscale of small-scale solar irrigation.</p>	<p>11. Promote the circular economy including agroecological practices, by means of ad-hoc economic measures and social instrument.</p>	
Infrastructure & Innovation	<p>5. Upscale the use of non-conventional water resources through desalination and wastewater treatment.</p>			<p>15. Systematize environmental and social impact assessment for all new infrastructure (large and small scale).</p>

Session 4

Working Group Discussion

Discussion de Group

Examine the suggested synergies:

- Do you think they can help countries to successfully achieve the synergetic goals?
- Do you see other synergetic goals?
- What combination of solutions is needed to achieve them?

Examinez les synergies proposées:

- Pensez-vous qu'elles peuvent aider les pays à atteindre les objectifs synergétiques ?
- Y at-il d'autres objectifs synergétiques possible ?
- Quelle combinaison de solutions serait nécessaire pour les atteindre ?

Group discussion

- Coherent Planning for Sustainable Development in the NWSAS
 - Add Law enforcement?
 - Rephrase objective to make the scale of action explicit (**transboundary**)
 - Priority for the countries?
 - Add Solution 2 4 and 8, add 10
 - Make it clear that this is about **cross sectoral** coordination
- Enhanced Local Resilience to Basin Challenges
 - Reformulate? Importance of oasis governance beyond participatory
 - Rephrase objective to reflect **inclusive** approach to policy at national level
 - Delete Sol 5
 - Sol 7 needs to be balanced by other solutions to address adverse effects of RE
 - Innovation needed in water not only soil and crop
 - 11 and 12
 - Make the role of **women** more evident in the objective
 - Add 14
 - In 10 mention jobs
- Circular Economy through Non-Conventional Water and Renewable Energy
 - Raising awareness necessary to implement sol 5, as well as improve sanitation
 - Change title = **circular economy in the water, energy, and environment sectors**