SIWI WORLD WATER WEEK

Wetlands INTERNATIONAL

Global Water Partnership Mediterranean

a water secure world

SWWW 2018 – MENA Focus Days :
Session : Benefits for Ecosystems and Wetlands through the Nexus

Sustainable management of wetlands in the MENA region through the Nexus approach

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Outline :

- What are the Nexus thinking Drivers ?

- What Nexus is about ?

- How the Nexus approach benefits to ecosystems and wetlands ?

- What are the challenges ?

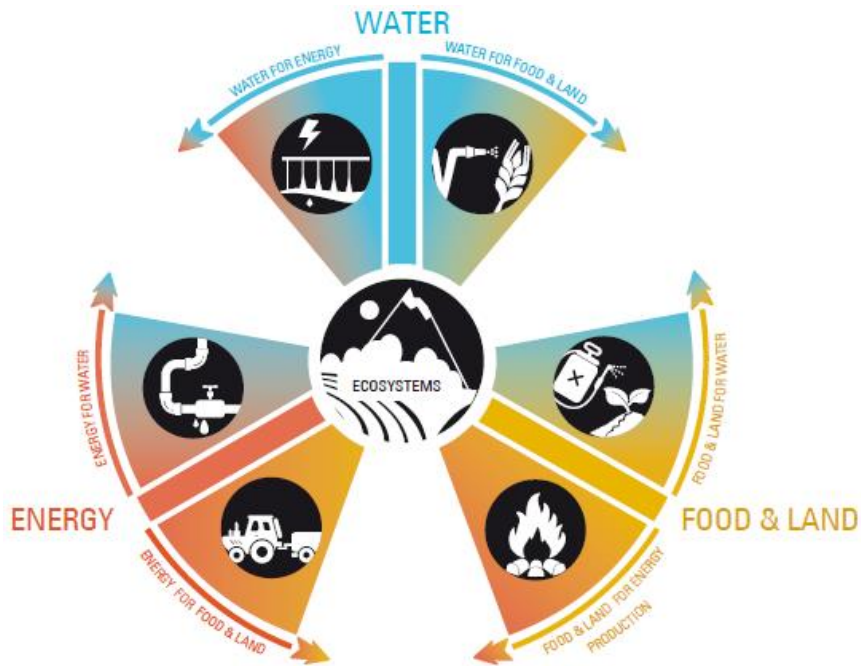- What initiatives to advance the Nexus agenda in the region ?

- Conclusions

Facts :

➢ Agriculture accounts for 70% of global water withdrawal

➢ Food production and supply chain accounts for about 30% of total global energy consumption

➢ 75% of all industrial water withdrawals are used for energy production

➢ 90% of global power generation is water-intensive

➢ Deterioration of wetlands worldwide, in particular coastal wetlands, is reducing the capacity of ecosystems to purify water

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Projections :

➢ Global water demand will increase by 55% by 2050, mainly because of growing demands from manufacturing (400% increase)

➢ Global food production would need to increase by 50% by 2050

➢ Water withdrawals for energy production could increase by 20% by 2035

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Nexus is about interlinkages

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UNECE, 2015

⇒ better understand inter-sector and inter-resources dynamics

⇒ Explore synergies /adverse impacts across sectors

⇒ Identify solutions allowing balance between different needs based on compromise and trade-offs negotiations

⇒ Make policies and actions more coherent across sectors

- End goal : sustainable and integrated management of natural resources

- IWRM can serve as the Nexus 'water path'

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Benefits for Ecosystems and Wetlands

⇒ Conceptual framework that helps to think across sectors and position ecosystems on the heart of the discussions

⇒ Enforces to examine the issues/solutions beyond the one sector : examine different scenarios for the various sectors while evaluating the direct and indirect effects between these sectors

⇒ Facilitates finding solutions based on transparent evaluation of trade-offs

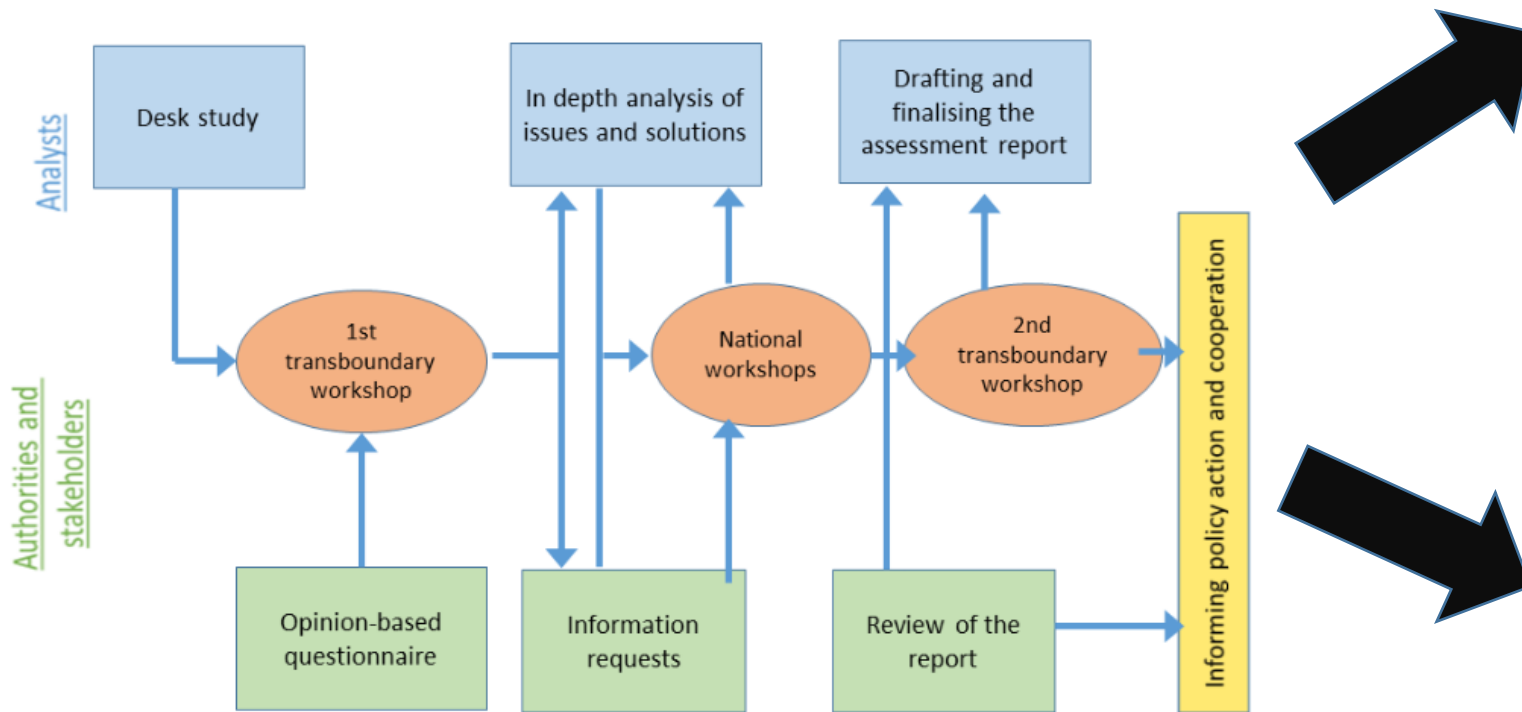⇒ Informed stakeholder dialogues to promote nature based solutions

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Challenges

$\Rightarrow$ Lack of political willgness to have Nexus dialogues

$\Rightarrow$ Demanding stakeholders dialogues (high number of stakeholders, conflicting intersts)

$\Rightarrow$ Limited knowledge of stakeholders : disinterest to the dialogues

$\Rightarrow$ Convening power and leadership for the decision making

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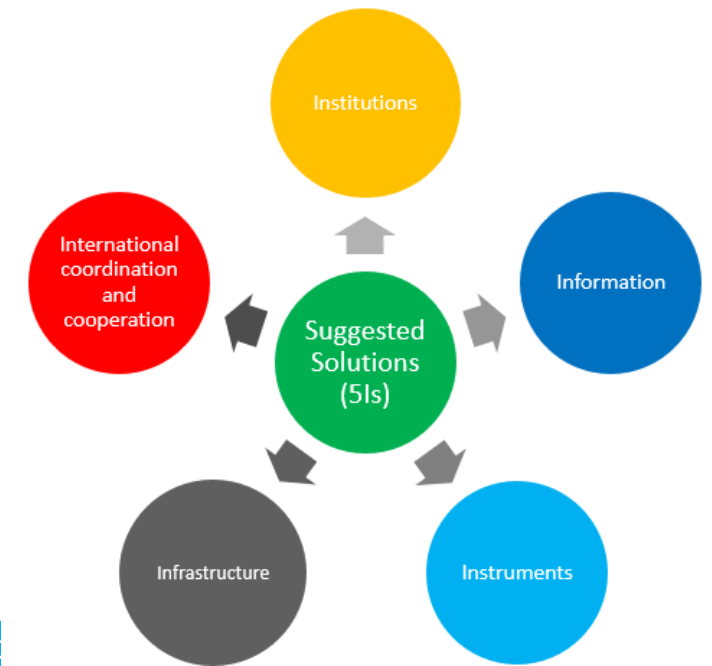
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Advancing the Nexus Agenda in the region

Nexus Dialogue on the NWSAS : Algeria, Libya, Tunisia

- Partners : GWP-Med, UNECE and OSS

- SIDA support in synergy with WACDEP

	Water	Energy	Land/Agriculture	Ecosystem services
Water		*Energy (ENE) to Water (WAT) 1 * ENE to WAT 2 Etc.	* Land/Agriculture (AGR) to WAT 1 * AGR to WAT 2 Etc.	*Ecosystem (ECO) to WAT 1 Etc.
Energy	*WAT to ENE 1 * WAT to ENE 2 Etc.		* AGR to ENE 1 Etc.	*ECO to ENE 1 Etc.
Land/Agriculture	*WAT to AGR 1 * WAT to AGR 2 .	*ENE to AGR 1 * ENE to AGR 2		*ECO to AGR 1 * ECO to AGR 2
Ecosystem services	*WAT to ECO 1 * WAT to ECO 2	* ENE to ECO 1 Etc.	* AGR to ECO 1 * AGR to ECO 2 Etc.	

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Capacity Building Platform on Water Management and Abstraction

- **Partners : WI, GWP-Med ,IUCN Med, IUCN ROWA, MedWet, Tour du Valat, WWF-NA**

- **MAVA Foundation support**

Aims to promote sustainable water use by bringing wetland needs and their contributions to society into dialogues around water allocation and management, through :

- Knowledge platform development with focus on IWRM and IRBM implementation mobilizing Nexus

- Empowering CSOs to influence the policy, planning related to water investments and to engage with private sector

- Enabling water basin agencies and governmental bodies to fully integrate an ecosystems approach and WEFE Nexus in planning

Communication campaign on the value of coastal wetlands

- **Partners : MedWet, GWP-Med, Birdlife, IUCN-Med, PAP-RAC, WI, Diversearth, MedINA, Plan Bleu, WWF MedPO; MEDPAN, Tour du Valat**

- **MAVA Foundation support**

Aims to improve knowledge about the functions and values of Mediterranean coastal wetlands as well as the benefits of an integrated land/sea interface management

http://offyourmap.org/

POLICY BRIEF

"Water, Wetlands and Nature-based Solutions in a Nexus Context in the Mediterranean"

Conclusions

Global Water
Partnership
Mediterranean

⇒ Nexus supports resource securities: water as the entry point

⇒ Achieve policy coherence towards sustainable development

⇒ Inclusive multi-stakeholders dialogues platforms

⇒ Co-optimized solutions (technology, nature based-solutions, …)

⇒ Innovative financial mechanisms (foster private sector participation,…)

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