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Federal Ministry
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The Nexus Regional Dialogue in the MENA Region

Main achievements and outcomes of phase I

3rd Executive Committee Meeting
Nexus Regional Dialogue Programme
6 June 2019





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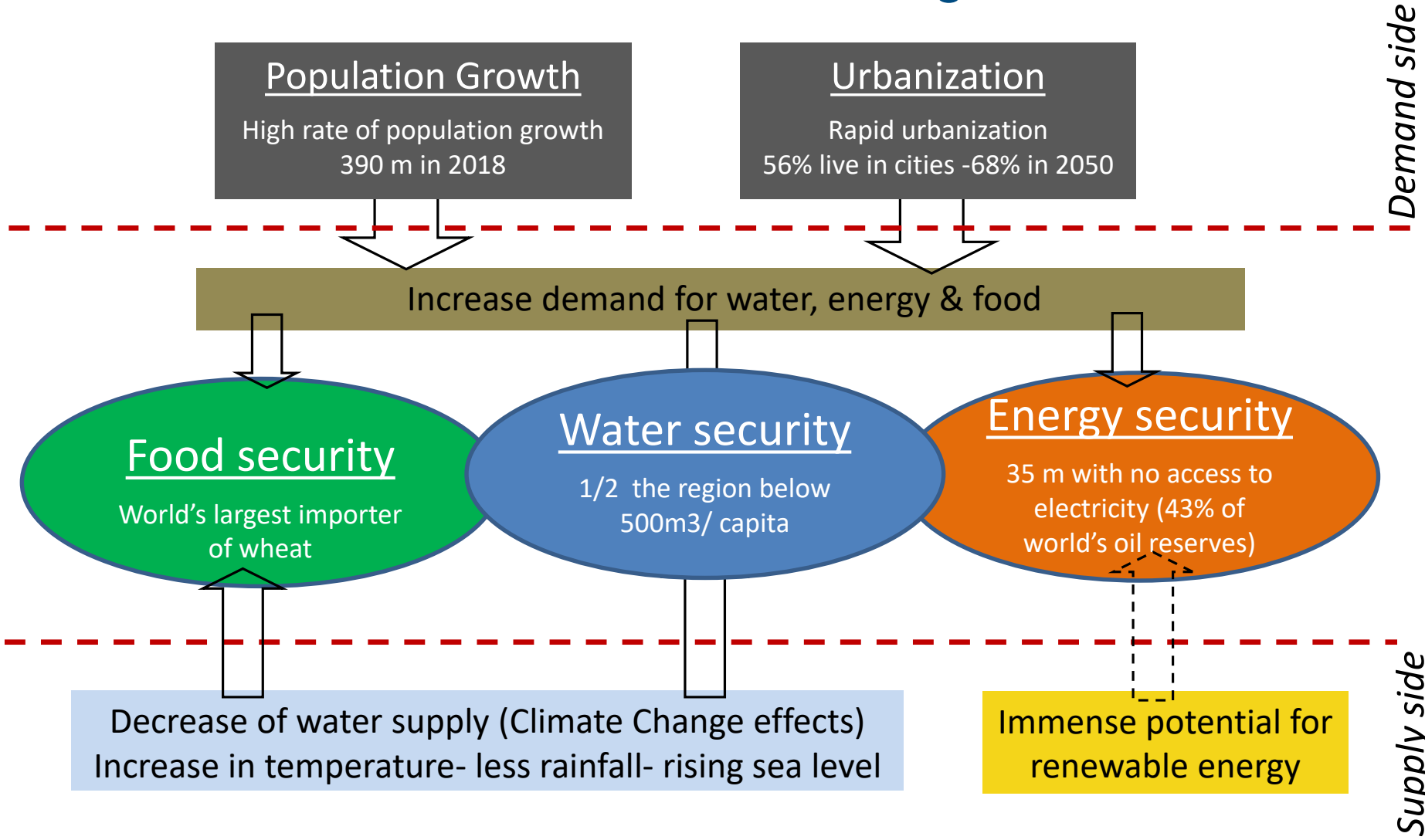


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WEF Nexus in the MENA Region



Nexus Themes in the MENA Region

Renewables rapidly taking off

- Solar pumping irrigation systems
- Solar desalination

Preserving scarce water resources

- Off shore agricultural investment
- Wastewater treatment for irrigation

Securing states' funds for imported energy

- Biofuel from agricultural residues
- Energy recovery from WW treatment



Fujairah desalination plant - UAE



Kherbet El-Samra WWTP - Jordan



Kenana sugar company- Sudan

Nexus Regional Dialogue in the MENA Region

Started in 2016

Partner: League of Arab States
22 countries



Arab Ministerial Water Council

Nexus is well known on policy level
regional/Int. organizations working on Nexus



Nexus water centric → Involved agric. Sector

Initiated collaboration

Nexus at policy level → promoted Nexus at municipality level.

Nexus missing in urban development → Initiating Urban Nexus dialogue.

Small range of implemented Nexus projects → Proposed Nexus inf. projects

Main Achievements and Outcomes of Phase I

Supported LAS; the main counterpart: 6 policy briefs- Political endorsement

Trained 157 pro. (31% female) from 15 countries

Carried out 2 Nexus country assessments

- 1st joint meeting between 22 Ministers of water and 22 Ministers of Agriculture-2018: Nexus W&F security
- Water Council attend meetings of energy council.
- Nexus in: Arab Water Strategy – Arab Agr. Strategy.
- Tunisia: Urban Nexus with MINARET- Nexus projects in implementation: Jordan- Lebanon-Tunisia municipalities.
- Beirut with ESCWA: Eur/German Nexus case studies- proposed projects for the Action Plan.
- Khartoum: Nexus Assessment tools: request from AOAD for a regional Nexus capacity building for the agr. sector.
- Tunisia: FAO-national ministries- proposed projects/AP.
- Sudan: AOAD, IFPRI, Humb. Univ., Khart. Univ.-proposed projects/AP- collaboration between WEF ministries- network initiated.

Main Achievements and Outcomes of Phase I

Carried out 2 small Nexus applications

- Solar Energy Farming in Jordan input for the Action Plan.
- Impacts of SPIS in Tunisia: with FAO- cooperation agreement signed- regional SPIS dialogue (AOAD/LAS).

Developed a regional Nexus Action plan

- Countries expression of interest: Egypt- Tunisia- Jordan-Morocco.
- Requests from regional/ International organizations for partnership: WB- FAO- AOAD- NL Embassy- IWMI.

Additional Achievements

Participated in CWW: SPIS plenary session- Urban Nexus pres.

Request from the Egyptian Ministry of Water for an Urban Nexus training with the Ministry of Housing, Ministry of Agriculture and Ministry of Energy.

Participated in ESCAP Urban Nexus workshop in Bangkok

A south-south dialogue on Urban Nexus proposed in collaboration with ESCAP- ESCWA.

Nexus Action Plan- MENA

Nexus is well-known from a theoretical perspective: academics- policy makers- donors - A small range of projects are implemented using Nexus approach.

“A growing number of completed Nexus pilot projects and derived successful Nexus business cases will enhance private and public sector participation and thus increase WEF securities”.

Nexus investment projects

- 19 Projects: Regional- Jordan- Lebanon- Tunisia-Morocco- Sudan
- Scale: small -medium- large projects: 40K – 5m EUR

Framework Conditions

- 10 projects: Regional- sub-regional (Chad, Egypt, Libya and Sudan)- Jordan- Egypt- Sudan- Lebanon

Supporting activities

- 6 projects: Regional- Egypt

Selection of projects: demand from partners & org.- outcomes of NRD studies & WSs

Partners expressed commitment: Egypt- Tunisia- Sudan-Morocco- AOAD

Org. showed interest in collaboration: WB- NL Embassy- FAO- IWMI

Nexus Context /Topics in MENA Action Plan

High rate of pop. growth+ rapid urbanization

- Introducing Urban Nexus in the urban planning/ housing sector

Very scarce water resources

- Wastewater treatment for irrigation
- Water harvesting

Renewables rapidly taking off/RE potentials

- Solar pumping irrigation systems
- Solar desalination
- Solar water heaters

Good Nexus practices

- Replicating in other countries
- constructed wetland
- WWTP – energy recovery

Private sector not involved in Nexus

- Nexus finance facility
- Strengthening SPIS market
- Training for PV start ups

Nexus not involved in env./ ecosystem

- Nexus to conserve ecosystems
- Nexus as part of SEIA

Lessons Learnt

- **Small size PPP** could be an entry point to make WEF Nexus a business case- **Awareness and incentives** should be created among private investors for WEF Nexus projects.
- Private sector in MENA is active in the **energy sector** and could be the entry point for implementing WEF Nexus projects.
- **Financial institutions lack knowledge** on Nexus yet ready to be involved in Nexus projects: capacity building and Nexus examples are needed
- **Demonstration of success stories** and quantification of financial gains from Nexus approach is the best buy in for policy makers.
- **Policy-related activities; cross-ministerial Nexus processes** should be complemented with Nexus projects demonstrating benefits for all stakeholders to create acceptance for institutional changes.



Next Steps- 2019

- **Sharing the Action Plan** with partners, regional organizations, donors, dev. Banks- Preparation of proposed projects for bankability.
- **Involving the Housing sector in Urban Nexus:** Urban Nexus training for the MWI, Ministry of Housing, MoA, and MoE at the Cairo Water Week.
- **Promoting the Nexus approach to the agricultural sector** on regional level: Nexus training with AOAD.
- **Disseminating outcomes of NRD studies:** participation in FAO/AOAD regional dialogue on SPIS- lessons learnt from the region on water governance (prob. with IWMI).
- **South-South Dialogue on Urban Nexus** with ESCAP, ESCWA, HABITAT.



Thank You!

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