



This project is co-funded by
the European Union



Federal Ministry
for Economic Cooperation
and Development



Issue no. 1 | April 2018

Nexus Dialogues Newsletter



[B]Water-Energy-Food Security Nexus Dialogues[/B]
A service by the Nexus Regional Dialogues Programme

Dear readers,

Welcome to the first Nexus Dialogues Newsletter! This is the first issue of a series of newsletters that will keep you informed about the Water-Energy-Food (WEF) Nexus topic in general and the Nexus Regional Dialogues Programme in particular.

The Nexus approach highlights the interdependencies between water, energy and food security and provides means for ensuring these securities for the sake of human well-being. At the same time, it aims at ensuring the ecologically sustainable use of essential natural resources on which human well-being depends. It is based on an understanding of the synergies and trade-offs between competing uses of water, land and energy-related resources.

The Nexus approach is a fundamental conceptual and practical shift of thinking and acting, from a pure sectoral approach to solutions that embrace a cross-sectoral, coherent and integrated perspective. Accordingly, the Nexus Regional Dialogues Programme seeks to strengthen the political processes needed at the local, regional, national and transboundary levels to meet the increasing demand for water, energy and food. It supports regional stakeholders in developing concrete policy recommendations and action plans, with specific emphasis on multi-sector infrastructure and corresponding capacity development activities.

This issue puts the 8th World Water Forum (WWF8) that took place in Brasília, Brazil from March 18 to 23, 2018, in the spotlight. Under the main theme of “Sharing Water”, the importance of sharing water between its different users was highlighted. Being a cross-sectoral approach, the WEF-Nexus plays a crucial role in equitably and efficiently sharing water and thus has been present in many sessions at WWF8.

The Nexus Dialogues Newsletter intends to keep professionals, scientists, academia, policy advisors and all those interested in the WEF-Nexus informed about the programme’s activities and findings, as well as to give an overview of the current developments in the WEF-Nexus topic.

Our newsletter will be sent every three months. Please feel free to encourage others to subscribe to it, keep an eye on the Nexus Resource Platform and get in touch whenever you want to point us to

new developments.

Enjoy reading!

Dr. Susanne Schmeier, GIZ

REFLECTION ON THE WORLD WATER FORUM 2018

- » Potential Applications and Lessons Learned from Africa
- » Utilities Can Advance as Key Players in the Global Water Management Shift towards a Carbon Neutral Future
- » Reflections and discussions on the WEF-Nexus at the WWF8 from a Latin American perspective
- » It is time to take stock of the situation: Feedback from the 8th World Water Forum of Brasilia

NEXUS REGIONAL DIALOGUE PROGRAMME

- » Second Executive Steering Committee Meeting
- » Human Capacity Building: The Major Pillar within the Nexus Regional Dialogues Programme

GLOBAL NEXUS NEWS

- » Water Cooperation in Central Asia
- » A Platform for Implementing the Global Goals
- » Assessment of the Water-Energy Nexus in the Municipal Water Sector in Eastern Province, Saudi Arabia

Reflections on the World Water Forum 2018

5/5

Potential Applications and Lessons Learned from Africa: Outcomes from the Water-Energy-Food Security Nexus Session at the 8th World Water Forum in Brazil

By Kidanemarian Jembere and Isabel Pasternack



© Tucker Tangeman / Unsplash

Africa's sustainable development largely depends on goods and services derived from its environment and natural resources. As Africa pursues sustainable growth pathways and structural transformation, the management of natural capital and most importantly water, land and energy resources, is critical.

The session "Potential applications and lessons from Africa" at the World Water Forum in Brasília, Brazil on March 20,

2018 focused on sharing experience between different WEF-Nexus initiatives in the African continent, especially focusing on the Southern African Development Community (SADC) and the Niger Basin in West Africa.

4/4

[Read the full article on the Nexus Platform »](#)

1/1

Utilities Can Advance as Key Players in the Global Water Management Shift towards a Carbon Neutral Future - Results from the WaCCliM Project and other Pioneers

By Simone Ballard



© Corinne Trommsdorff / IWA

During the forum, there were several key takeaway messages for future directions in strategy and mobilisation. Cooperation, co-creation, and cross-sectoral engagement are critical components of successfully taking progressive action plans forward. The water-energy-food (WEF) nexus will be taking a priority spot in shaping the mitigation and adaptation strategies of the future. A good example is the WaCCliM project. It is a joint initiative between the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) and the International Water Association (IWA). This project is part of the International Climate Initiative (IKI).

1/1

[Read the full article on the Nexus Resource Platform »](#)

2/2

Reflections and discussions on the WEF-Nexus at the WWF8 from a Latin American perspective

By Isabel Pasternack, Susanne Schmeier, Reinaldo Penailillo



© Tânia Rêgo, Agência Brasil Fotografias / flickr

President Michel Temer highlighted in his inauguration speech, the importance of the World Water Forum as a place for exchanging experiences and mutual learning. This is essential for the sustainable development of all countries facing severe water-related challenges. However, how was the WEF-Nexus reflected and discussed from a Latin American perspective at the WWF8?

In the session "Water-Food-Energy Nexus in Large Infrastructures", the Sao Francisco River in Brazil was showcased. There an innovative production system was shown which was coupled with the hydraulic infrastructure. Appropriate irrigation planning and the reuse of treated wastewater were highlighted in the session Water for food security and rural development in the Americas.

1/1

[Read the full article on the Nexus Resource Platform »](#)

2/2

It is time to take stock of the situation... Feedback from the 8th World Water Forum of Brasilia



© Alistair MacKenzie / Unsplash

The International Network of Basin Organizations (INBO), the Global Alliances for Water and Climate (GAfWaC), the International Network of Water Training Centers (INWTC) and their many partners, including UNESCO, UNECE, OECD, IOWater, REBOB, LANBO, ANBO, BAFWAC, EMWIS, in particular, were given the coordination of about ten thematic sessions, which have been mobilizing for more than a year a large international community for their preparation, and also a strong participation in the related sessions and also in the two Forum "Regional" and "Citizens" processes. This is a summary of the outcomes.

[Read the full article on the Nexus Resource Platform »](#)

Nexus Regional Dialogue Programme

1/1

Nexus Dialogue Programme: Second Executive Steering Committee Meeting

By Isabel Pasternack, Susanne Schmeier, Tina Schmiers



2/2

© Tina Schmiers / giz

[B]"The ultimate goal is not about the Nexus, but about water, energy and food security in the countries." (Daniela Krahl, BMZ)[/B]

The second Executive Steering Committee Meeting of the Nexus Regional Dialogues Programme took place in Brussels on the 1 - 2 March 2018. The general objective of the meeting was to present the outcomes and impacts of the activities within the different regional dialogues, to discuss challenges and common issues as well as to find entry points and synergies to improve and strengthen cooperation and collaboration among the different regions and partners with view on a potential Phase II.

5/5

[Read the full article on the Nexus Resource Platform »](#)

Human Capacity Building: The Major Pillar within the Nexus Regional Dialogues Programme

By Ruth Erlbeck, Ralph Trosse, Nisreen Lahham and Maarit Thiem



© Asim Bharwani / flickr

Capacity Building has been identified as a major driver for advancing the implementation of the Nexus approach and thinking at national and regional level. Hence, the Nexus Regional Dialogues programme designed and developed a Nexus training specifically tailored to the needs expressed by representatives of sectoral ministries and regional partner organisations.

4/5

[Read the full article on the Nexus Resource Platform »](#)

Global Nexus News

1/1

Water Cooperation in Central Asia

Interview with Benjamin Pohl, adelphi



© kvitlauk / flickr

In this interview, Benjamin Pohl, Senior Project Manager at adelphi, talks about the benefits and challenges of an increased water cooperation in the Central Asian context. He points out different aspects and entry points that could foster an enhanced political and inter-sectoral dialogue in the region. He states: [SPAN style='font-size:14px']"The costs of the status quo of water management in Central Asia are very significant, but we can currently observe a lot of progress and optimism on water cooperation in the region." [I][SPAN]

1/1

[Read the full article on the Nexus Resource Platform »](#)

1/1

A Platform for Implementing the Global Goals

By Raya Marina Stephan, Rabi H. Mohtar, Bassel Daher, et al.



1/1

5/5

[Read the full article on the Nexus Resource Platform »](#)

Tight interconnections exist between water, energy, and food systems. As stresses on these resource systems continue to increase, there is a growing need to better quantify and understand the trade-offs associated with their future planning and management. The water-energy-food (WEF) Nexus offers an approach to achieving water, energy and food security, helping ensure access for basic human needs.

1/1

Assessment of the Water-Energy Nexus in the Municipal Water

Sector in Eastern Province, Saudi Arabia

By Homoud Al-Mutraf, Waleed Al-Zubari, Alaa El-Sadek and Ibrahim Abdel Gelil



© Susanne Feldt / Unsplash

This paper performs an assessment of the water-energy nexus in the municipal sector of the Eastern Province of Saudi Arabia, where the electric energy footprint in the water value chain (groundwater, desalination and wastewater treatment) and the water footprint in electric energy generation (thermal power plants) are quantified using data for the year 2013.

2/2

[Read the full article on the Nexus Resource Platform »](#)

nexus



» [Follow us on Twitter](#)

» [2/2 Follow us on LinkedIn](#)

» [Follow us on Facebook](#)

1/2

2/3 [Contact](#)

3/4 [Disclaimer](#)

[Recommend this newsletter](#)

www.giz.de



1/5

1/1



[CONTENTSWITCH-INLINE] **Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH**

Registered offices
Bonn and Eschborn, Germany

Friedrich-Ebert-Allee 36 + 40
53113 Bonn, Germany
T +49 228 44 60-0
F +49 228 44 60-17 66

Dag-Hammarskjöld-Weg 1 - 5
65760 Eschborn, Germany
T +49 61 96 79-0
F +49 61 96 79-11 15

E info@giz.de
I www.giz.de

Registered at

Local court (Amtsgericht) Bonn, Germany: HRB 18384
Local court (Amtsgericht) Frankfurt am Main, Germany: HRB 12394

VAT no. DE 113891176
Tax no. 040 250 56973

Chairman of the Supervisory Board

Martin Jäger, State Secretary

Management Board

Tanja Gönner (Chair)
Dr Christoph Beier (Vice-Chair)
Dr Hans-Joachim Preuß [CASE TARGETGROUP='0'] **Deutsche
Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH**

Registered offices
Bonn and Eschborn, Germany

Friedrich-Ebert-Allee 36 + 40
53113 Bonn, Germany
T +49 228 44 60-0
F +49 228 44 60-17 66

Dag-Hammarskjöld-Weg 1 - 5
65760 Eschborn, Germany
T +49 61 96 79-0
F +49 61 96 79-11 15

E info@giz.de
I www.giz.de

Registered at

Local court (Amtsgericht) Bonn, Germany: HRB 18384
Local court (Amtsgericht) Frankfurt am Main, Germany: HRB 12394

VAT no. DE 113891176
Tax no. 040 250 56973

Chairman of the Supervisory Board

Martin Jäger, State Secretary

Management Board

Tanja Gönner (Chair)
Dr Christoph Beier (Vice-Chair)
Dr Hans-Joachim Preuß[/CASE][/[CONTENTSWITCH-INLINE](#)]

In charge of this newsletter:

Dr. Susanne Schmeier, susanne.schmeier@giz.de

Editor(s):

Isabel Pasternack, isabel.pasternack@giz.de
Maarit Thiem, maarit.thiem@giz.de
Michael Stoyke, Dr. Gerhard Rappold (Thought/Providers)

With contributions from:

Simone Ballard, Ruth Erlbeck, Kidanemarian Jembere, Nisreen Lahham,
Isabel Pasternack, Reinaldo Penailillo, Gerhard Rappold, Susanne
Schmeier, Tina Schmiers, Michael Stoyke, Maarit Thiem, Ralph Trosse

Photo Credits:

Title graphic by Bert Odenthal ©
using photos by:
© mimacz – fotolia (sun)
© Tim UR – adobe (rice)
© CGtextures.com (water splashes)

[B]The Nexus Regional Dialogues Programme Newsletter is published by GIZ on behalf of the European Union and the Federal Ministry for Economic Cooperation and Development.

[/B]The Nexus Resource Platform is a global Nexus information hub operated by the Global Nexus Secretariat as part of the Nexus Dialogues Programme. The Secretariat provides support to the Regional Nexus Dialogues and ensures knowledge exchange and global analysis on the topic across the participating regions and beyond.