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Nexus Dialogues Newsletter



Water-Energy-Food Security Nexus

A service by the Nexus Dialogue Programme

Dear readers,

Welcome to our fifth edition of the Nexus Regional Dialogues Newsletter on the Water, Energy and Food Security (WEF) Nexus! This time we changed the outline by organizing the news and updates of the Nexus Regional Dialogues Programme around the regions.

The newsletter starts off with a highlight from November 2019 in Brussels, where the Nexus Regional Dialogues Programme organised a Workshop on request of EU DG DEVCO for EU delegations working in 16 countries. The training introduced participants to the WEF Nexus approach and provided the opportunity to apply 'Nexus thinking' to case studies.

It also features summaries of two WEF Nexus Virtual Forums that were held in Latin America. In the first event, participants learned about the potential benefits of using solar powered irrigation systems (SPIS) and its relation to water usage efficiency. The second forum evolved around synergies between WEF sectors and their role in transboundary water resource management.

Other highlights of the last three months were the publication of a Study on the Synergies of the Water, Energy and Food Sectors in Sudan as well as a Regional Dialogue Event in Kairo, Egypt, on the Benefits, Risks, Policy Options and Innovative Financing Models of Solar Powered Irrigation Systems.

In Niger, the Nexus Regional Dialogues Programme jointly organized a Nexus conference with the FREXUS Project (Project on the WEF Nexus in fragile contexts) in November 2019 on how to prevent conflicts rooted in natural resource governance in the Sahel region. Experts from 13 countries developed recommendations concerning management of land, water and ecosystems as well as violent extremism prevalent in the region.

We are also happy to announce that in this fifth edition, we showcase a successful WEF Nexus demonstration project on the restoration of traditional wells for livestock farming, initiated by the Nexus Regional Dialogues Programme in collaboration with CAREC in Turkmenistan, Central Asia.

Get all **5/6**s, publications, research and **1/3** other resources directly and stay updated by following us on **2/2**ter @NexusPlatform or Facebook @nexusresourceplatform and regularly check news on the Nexus Resource Platform .

Enjoy reading our WEF Nexus news and updates!

Best regards

Sarah Beerhalter

(Team Leader of the WEF Nexus Component, GIZ)

NEWS FROM THE NEXUS REGIONAL DIALOGUES PROGRAMME GLOBAL

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- » Nexus Interview // Roger Cremades about the new publication "Ten principles to integrate the water-energy-land nexus with climate services for co-producing local and regional integrated assessments"

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- » Nexus Publication // Increasing Returns on Investment Opportunities by applying a Nexus Approach: Best practice Nexus Case Studies

News from the Nexus Regional Dialogues Programme Global

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Nexus Blog // The Nexus Serious Game: A hands-on experience of the Nexus Regional Dialogues Programme



The Nexus Regional Dialogues Team had the chance to play the Nexus Serious Game, which realistically reproduces the complex matrix of water, energy and agricultural resources inputs, outputs and effects.

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Nexus Workshop // Water, Energy and Food: EU Delegations



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The Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH organised upon request of the EU International Cooperation and Development (DG DEVCO) a training on the WEF Nexus for representatives of EU Delegations in 16 countries. The event was held on the 5th and 6th of November 2019 in Brussels and aimed to inform the delegation about the WEF Nexus approach for future projects in their respective countries.

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Nexus Interview // Roger Cremades about the new publication “Ten principles to integrate the water-energy-land nexus with climate services for co-producing local and regional integrated assessments”



In this interview, the Nexus Resource Platform speaks to Roger Cremades, co-author of the new publication “Ten principles to integrate the water-energy-land nexus with climate services for co-producing local and regional integrated assessments.” Amongst other, he speaks about opportunities and challenges of the proposed ten principles in their application in practice.

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

News from the Nexus Regional Dialogues Programme Latin America

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Nexus Blog // Outcomes of the third Nexus Latin America Virtual Forum



How can the Nexus perspective help to find synergies between the water, agriculture and energy sector and mitigate potential risks for a sustainable water basin management? The third Regional Virtual Forum of Nexus in Latin America and Caribbean was dedicated to shed light on that, by bringing together expert panelists from Latin America and Europe and more than 80 participants from over 70 organizations, including the public and private sector, academia, and civil society.

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

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Nexus Virtual Forum // Solar Powered Irrigation Systems: Opportunities and Challenges

The second virtual forum revealed how the WEF Nexus approach tackles the challenges and opportunities for a sustainable usage of SPIS and how it can help to mitigate the risks of overexploitation of water resources. Four panelists shared their experiences and lessons learned from SPIS implementation in Tunisia and Chile and presented the GIZ SPIS Toolbox to 30 participants from various countries and organizations in the region.



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News from the Nexus Regional Dialogues Programme MENA

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Nexus Workshop // Integration of Water and Agriculture Sectors: Concepts and Application



The Nexus Regional Dialogues Programme MENA and the Arab Organization for Agricultural development (AOAD) organized a WEF Nexus Workshop on the integration of water and agriculture sectors in Cairo, Egypt, on the 22nd - 23rd of December 2019. The main objectives of this workshop were to introduce the WEF Nexus approach and

applications in the region, to discuss the mechanisms of how to apply the approach in Egypt, and to conduct an interactive group work on case studies. The participants were high-level governmental officials working on water and agriculture, environment and energy, in addition to participants representing Academia and NGOs.

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Nexus Regional Dialogue MENA // Benefits, Risks, Policy Options and Innovative Financing Models of SPIS



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More than 40 experts from Egypt, Tunisia, Jordan, Sudan and Yemen gathered on the 8th and 9th December in Cairo for the regional dialogue “Solar Powered Irrigation Systems in the Arab Region: Benefits, Risks and Policy Options”, organized by the Nexus Regional Dialogue (NRD)- MENA, FAO, the Arab Organization for Agricultural Development (AOAD) and the League of Arab States (LAS). The experts debated and formulated recommendations on SPIS in the Arab region by discussing inter alia the following questions:

1. What are the real risks and benefits of SPIS in the region?
2. What are the current policies, laws, regulations and subsidy systems for SPIS, their impacts, bottlenecks and needed amendments to manage the risks and realize the potential of SPIS?
3. How to best harness the potential of solar irrigation to improve livelihoods of farmers and improve WEF security?
4. How can the risk of groundwater depletion be addressed effectively?
5. What types of capacity development programs are needed to support farmers, empower women and promote gender equity?

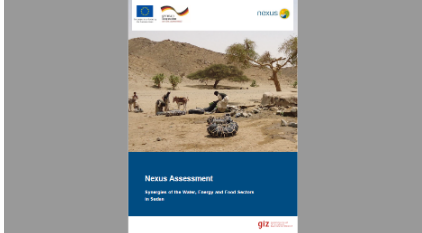
Read about the potential answers in the full article.

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

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Nexus Assessment // Study on the Synergies of the Water, Energy and Food Sectors in Sudan



assessment study for Sudan. It identified the WEF Nexus a priority approach in Sudan, suggested operational guidance to align national strategies, policies and implementation plans within a national Nexus framework, identified opportunities to apply the Nexus approach, including institutional settings and capacity building needs, and

suggested a series of WEF Nexus projects in Sudan.

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News from the Nexus Regional Dialogues Programme Niger Basin

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Nexus Blog // Opportunities for mutual learning? The Grand Ethiopian Renaissance Dam and Fomi Dam: transboundary relations and Nexus thinking across the Sahel



©GIZ

More than 500 million people in Sub-Saharan Africa still do not have access to electricity. Population growth coupled with industrialisation is resulting in a steeply growing demand for energy. Often, hydropower is a key element of generating energy. However, the generation of hydropower is only one aspect of a dam, in most cases, multi-purpose dams are planned and implemented, specifically for irrigation and the regulation of the water flow, although they are often financially not as attractive as a single purpose dam for generating energy. In the planning phase of such a dam, the WEF Nexus approach plays a significant role, as the provision of energy is interchangeably linked with the food and water security of neighbouring countries. This article takes a closer "WEF Nexus look" at two dams located on the eastern and western part of the Sahel: the Grand Ethiopian Renaissance Dam (GERD) and the Fomi Dam in Guinea.

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

Nexus Conference // Prevention and management of conflicts related to natural resource governance in West Africa

More than 150 experts from 13 countries convened between the 12th and 14th November in Niamey for the international conference “Prevention and management of conflicts related to natural resource governance in West Africa: challenges and opportunities”, organized by the Civil Peace Service and the Frexus project of the GIZ. The experts debated and formulated recommendations on three main themes: land governance and agro-pastoral conflicts in West Africa, conflicts in and around protected areas, and the prevention of conflicts related to extremism and natural resource governance in a deteriorating security context.



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News from the Nexus Regional Dialogues Programme Central Asia

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Nexus Blog // Livestock farming in the desert? How the Water, Energy and Food Nexus approach can enhance adaptation to climate change in Turkmenistan



©CAREC

How can ancient wells be restored and old pastures be reintroduced for farming? This demonstration project, initiated by the Nexus Regional Dialogues Programme in Central Asia in joint collaboration with the United Nations Development Programme, developed solutions to enhance the water, food and energy security in remote desert areas of Turkmenistan.

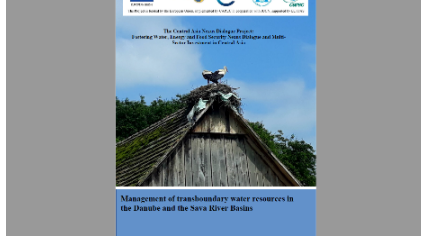
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Publication // Management of transboundary water resources in the Danube and the Sava River Basins

This study conveys knowledge and information on the management of transboundary water resources by acknowledging the importance of the WEF Nexus in the



Danube and Sava River Basins. It narrates the institutional and legislative frameworks within the sectoral characteristics on the management of two River Basins: the Danube River Basin, which is the largest and the most international one in Europe, and the Sava River Basin, which serves as the greatest tributary to the Danube River.

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Nexus Conference // EU fosters multisectoral thinking and investment for sustainable development in Central Asia



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The closing conference for the EU-funded “Central Asia Nexus Dialogue” was held November 18th in Ashgabat - Turkmenistan to present the results of the project. Aimed at increasing the understanding of the WEF Nexus approach, the project fosters multi-sectoral thinking and cooperation among Central Asian countries, leading to the development of an Investment Portfolio of WEF Nexus project ideas.

3/3 [Read the full article on the Nexus Resource Platform »](#)

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Nexus Publication // Increasing Returns on Investment Opportunities by applying a Nexus Approach: Best practice Nexus Case Studies



This new publication by IUCN, Regional Office for Eastern Europe and Central Asia (ECARO) and the Regional Environmental Centre for Central Asia (CAREC) presents several case studies from different regions, which showcase how increased returns on investment opportunities can be achieved by applying a WEF Nexus approach.

3/3 [Read the full article on the Nexus Resource Platform »](#)

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ensures knowledge exchange and global analysis on the topic across the participating regions and beyond.

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