# New Perspectives on the Water-Energy-Food Nexus

**27-28 November 2014**

**OECD Conference Centre, Paris (CC9)**

**Agenda (As at 24/11/2014)**

**Thursday 27 November**

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<td>09:15</td>
<td>Welcoming remarks and keynote speech: Mr. Angel Gurría, Secretary-General, OECD</td>
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<td>09:30 – 11:00</td>
<td>Water, energy, food: Risks and trade-offs for sustainable growth</td>
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**Focus**

In the run-up to Rio+20, the Bonn 2011 Nexus Conference contributed to a better understanding of the interdependencies between the water, food, and energy security and highlighted the need for more systemic thinking to identify synergies and trade-offs between different sectors, interest groups and development goals. High-level government and private sector representatives will discuss current and future risks associated with the nexus across the economy, as part of the Global Dialogue on Water Security and Sustainable Growth. The session will start with a presentation of preliminary messages related to the nexus from the Expert Task Force on Water Security and Sustainable Growth. The panel will then discuss how trade-offs between water, energy and food affect economic growth, and how they could be addressed.

**Co-chairs**

- Mr. Angel Gurría, Secretary-General, OECD and Dr. Ursula Schaefer-Preuss, Chair, Global Water Partnership

**Speakers**

- Representing the Expert Task Force on Water Security and Sustainable Growth
  - Professor David Grey, Visiting Professor of Water Policy, School of Geography and Environment, University of Oxford
  - Professor Jim Hall, Director of Environmental Change Institute, University of Oxford
  - Dr. Claudia Sadoff, Lead Economist, Water, World Bank

**Panellists**

- Professor Bendito Braga, President, World Water Council
- Dr. Kim Chang-Gil, Research Director, Department of Natural Resources and Environmental Research, Korea Rural Economic Institute (KREI) and Chair of the OECD Joint Working Party on Agriculture and Environment (JWPAE)

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1 The Global Water Partnership (GWP) and the Organisation for Economic Co-operation and Development (OECD) have launched a Global Dialogue on Water Security and Sustainable Growth to highlight the evidence of the different development paths that countries can follow, based upon their water resource endowment. The Global Dialogue on Water Security and Sustainable Growth is co-chaired by Angel Gurría, Secretary-General of the OECD and Ellen Johnson Sirleaf, President of Liberia. The Expert Task Force on Water Security and Sustainable Growth is comprised of a multi-disciplinary team of economists, water managers and scientists that support the High Level Panel and country consultation processes.
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<td>11:00 – 11:30</td>
<td>Coffee break</td>
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<td>11:30 – 13:00</td>
<td>Integrating the nexus into national planning</td>
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<td><strong>Focus</strong></td>
<td>There is a clear need to move away from a “silo” approach to more integrated policy making in the areas of climate, water, energy and land-use policies. Governments will play a key role in integrating the nexus into national strategies and policy frameworks. Yet in most governments, responsibilities for water, food and energy security are placed in separate ministries. The inter-linkages of the nexus increase the already complex task of co-ordination and co-operation among government entities. This session will explore how governments are integrating the nexus into national planning and development efforts. It will also highlight the governance structures that have emerged at a national level to promote an integrated nexus approach across sectors and what lessons can be learned.</td>
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<td><strong>Chair</strong></td>
<td>Ambassador Noé van Hulst, Permanent Representative of the Netherlands to the OECD</td>
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<td><strong>Panellists</strong></td>
<td>Mr. Mike Muller, Commissioner, National Planning Commission, South Africa</td>
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<td>Mr. Mikkel Hall, Deputy Director, Climate Change Adaptation, Water Sector and Groundwater, Ministry of Environment, Denmark</td>
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<td>Mr. Sulton Rahimov, First Deputy Minister for Energy and Water Resources, Tajikistan (TBC)</td>
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<td><strong>Questions</strong></td>
<td>How have national policies integrated the nexus in national development planning?</td>
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<td>Have existing governance structures for water, food and energy been reformed or adapted due to greater incorporation of the nexus in national policy making?</td>
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<td>13:00 – 14:30</td>
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**Side Event Lunch:** "New Perspectives on the Water-Energy-Food Nexus in Eastern Europe, Caucasus and Central Asia (EECCA)" (by invitation only, Château Room D)

The lunch will explore the potential for a new nexus-oriented approach in the EECCA region that can provide an informed and transparent framework for determining trade-offs to meet water demands without compromising sustainability and exceeding environmental tipping points. The lunch will be opened by selected speakers followed by a discussion. The discussion will aim to take stock of the ongoing work on water-energy-food in EECCA, and to identify key challenges and possible short- and medium-term steps to promote country dialogues on the nexus at the national and regional level.

This event is organised the Environment Action Programme (EAP) Task Force. For additional information or request an invitation please contact Mr. Shukhrat ZIYAVIDDINOV (Email: Shukhrat.ZIYAVIDDINOV@oecd.org; Telephone: +(33-1) 45 24 93 03).
### 14:30 – 16:00 Regional and local perspectives on the nexus

**Focus**
Understanding the challenges and trade-offs associated with the nexus at the local, regional and trans-national level would help develop integrated management and governance across sectors to identify mutually beneficial responses. This session will showcase existing initiatives to minimise trade-offs and realise synergies between the nexus at different levels of governance and will highlight the need for consistency between the different levels of governance.

**Chair**
- Mr. Luiz de Mello, Deputy Director, Public Governance and Territorial Development, OECD

**Panellists**
- Mr. Peter Gammeltoft, Independent Expert
- Mr. João Gilberto Lotufo, Director, National Water Agency (ANA), Brazil
- Mr. Nguyen Tuan Anh, Deputy Director, Dept. of Science, Education, Natural Resources and Environment, Ministry of Planning and Investment, Viet Nam

**Questions**
- What are the tensions between national planning related to water, energy and food security and local priorities and how can they be overcome?
- What initiatives can governments initiate to promote an integrated perspective across different levels of government and across borders?

### 16:00 – 16:30 Coffee Break

### 16:30 – 18:00 Understanding the long-term trends and interactions

**Focus**
Climate, energy, water and land-use systems are closely integrated. Yet, most related decision- and policy-making is informed by relatively disconnected assessments of the individual resource systems. Furthermore, global mega-trends such as climate change and population growth affect all aspects of the nexus. A systems approach, where long-term projects reflect the interactions between different sectors as global and regional flows, could be a relevant way to provide a better understanding of the interaction between the three legs of the nexus, and the impact on economic growth of long-term common trends, not least climate and demographic pressures. This session will provide an overview on the current knowledge, technical capacity and challenges to make long-term projections of the interactions of water, energy and food in a context of increasing pressures from global trends.

**Chair**
- Dr. William (Bill) Cosgrove, Former Director, Water Futures and Solutions Project, International Institute for Applied Systems Analysis (IIASA)

**Speaker**
- Mr. Ton Manders, Deputy Head, Department of Climate, Air and Energy, PBL Environmental Assessment Agency, Netherlands

**Panellists**
- Dr. Raimund Bleischwitz, BHB Billiton Chair in Sustainable Global Resources, University College London (UCL) Institute for Sustainable Resources, University College London
- Dr. Laura Cozzi, Deputy Head, Directorate for Global Energy Economics, International Energy Agency (IEA)
- Mr. R. Alexander Roehrl, Senior Economic Affairs Officer, Division for Sustainable Development, United Nations Department of Economic and Social Affairs
Questions

- Which elements of the nexus are most important for economic growth and how do global long-term trends affect the nexus?
- What are the most important knowledge gaps in creating plausible long-term projections and how can they be overcome?

18:00 – 20:00  Cocktail in the Château (Room Roger Okrent)

Friday 28 November

28 November | Agenda Item
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09:30 – 11:00 | Getting the incentives right for investment

**Focus**
Investment financing needs for water infrastructure, agriculture and energy have generally been considered separately to date. Economic instruments provide incentives to use water, energy, and food more efficiently and to promote investment in resource-efficient options. Removing harmful subsidies and aligning incentives across the three dimensions of the nexus is key to getting the appropriate levels of investment, innovation and resources. This session will discuss which incentives and regulations can maximise cross-sectoral synergies among the water, energy and food sectors and promote innovation in business value chains.

**Chair**
- Ms. Carmel Cahill, Senior Counsellor, Trade and Agriculture Directorate, OECD

**Panellists**
- Mr. Antoine Badinier, Deputy Director, Engineering and Hydropower Division, EDF
- Ms. Sasha Koo-Oshima, Senior International Water Policy Advisor, Office of Water, Environmental Protection Agency (EPA), United States
- Dr. Christopher Napoli, Senior Research Associate, KAPSARC
- Mr. Ronald Steenblik, Senior Policy Analyst, Trade and Agriculture Directorate, OECD

**Key questions**
- How can economic instruments be used more consistently to encourage innovation and investment in more resource efficient water, energy, and food infrastructure?
- How can policy makers identify and create the right incentives for the private sector to invest?

11:00 – 11:30  Coffee Break

11:30 – 13:00  Mainstreaming the nexus in investment and development

**Focus**
Private investors can help to mainstream the nexus in their investment process and in the value-chains of their investments. Project financiers can also promote consideration of water, food and energy sustainability into project design and development. Existing asset owners are already using their position as shareholders to push for greater reporting and disclosure that integrates nexus considerations. For example, according to CDP, last year institutional investors representing USD 57 trillion in assets called for greater transparency on corporate water issues from over a thousand companies. This session will examine investor experience with evaluating and promoting the nexus throughout the investment and asset management process.
### Chair
- Dr. Simon Buckle, Head, Climate, Biodiversity and Water Division, Environment Directorate, OECD

### Panellists
- Ms. Rina Bohle Zeller, Head of Public Affairs – Central Europe, Vestas
- Mr. Pedro Faria, Technical Director, CDP
- Ms. Yasmin Siddiqi, Principal Water Resource Specialist, Asian Development Bank (ADB)
- Dr. Philippe Rohner, Senior Investment Manager, Pictet Asset Management

### Key questions
- How do project financiers evaluate water, energy and food and their interactions in the project development and planning process?
- What could be done to improve existing reporting, disclosure or risk tools to promote greater consideration of the interactions between water, food and energy scarcity?

### 13:00 – 14:30
- Lunch

### 14:30 – 16:25
#### The nexus in the post-2015 development agenda

**Focus**
This session will explore how the nexus approach could inform ongoing discussions regarding the Sustainable Development Goals (SDGs). In the outcome document of the Rio+20 conference, water, energy and land feature as priority areas for the formulation of SDGs. The sustainable use and management of water, energy and land resources are recognised as being a first step towards poverty eradication and sustainable development. The inclusion of water, energy and land issues in the [outcome document](#) of the Open Working Group (July 2014), tasked to propose a preliminary set of goals for the post-2015 period is an important first step. The document includes both stand-alone water, energy and land-related goals, but also recognises the cross-cutting nature of these issues by including indicators in a number of other relevant goals (e.g., on poverty, infrastructure or cities). The session will explore what the proposed SDGs cover, and their implication for the nexus.

### Chair
- Adj. Prof. Dr. Hildegard Lingnau, Senior Counsellor, Director’s Office, Development Cooperation Directorate, OECD

### Speaker
- Mr. Erik Solheim, Chair, OECD Development Assistance Committee (DAC) and United Nations Environment Programme Special Envoy for Environment, Conflict and Disaster

### Panellists
- Dr. Albert Butare, Africa Energy Service Group, Co-Chair of the Bonn 2011 Nexus Conference and former Minister of Energy and Water, Rwanda
- Mr. Henry de Cazotte, Post-2015 Co-ordinator, Ministry of Foreign Affairs, France
- Dr. Uschi Eid, Chair, United Nations Secretary General’s Advisory Board on Water and Sanitation (UNSGAB)
- Dr. Ania Groblicki, Executive Secretary, Global Water Partnership

### Key questions
- How can inter-linkages between water, energy and food be addressed within the overall framework proposed by the Open Working Group?
- Which information, approaches and tools are necessary to support nexus action in the follow-up process in the implementation-phase of the post-2015 agenda?

### 16:25 – 16:30
**Closing remarks:** Mr. Anthony Cox, Deputy Director, Environment Directorate, OECD