



World Water Week in Stockholm

The Water-Energy Nexus in the context of Green Growth

- Date/Time: 2 September, 2014, 14:00-17:00
- Venue: Stockholmmässan, Room T4
- Convenors: The National Committee for the 2015 World Water Forum Korea; K-water and World Water Council
- Co-convenors: Asian Development Bank (ADB); International Union for Conservation of Nature (IUCN); Organisation for Economic Cooperation and Development (OECD) and World Bank (WB)

BACKGROUND

Water is essential element to generate all forms of energy, facilitate transport system and drive economic activity. Energy is also required to extract, treat and distribute water. This tradeoff relationship is defined as the 'Water-Energy Nexus'. As population and economies grow, overuse of water resources and demands on energy put additional pressure on environmental sustainability thereby, threatening livelihoods of people. Climate change and related extreme weather which are already causing prolonged floods and droughts, exacerbate the challenges we have to address.

In the light of this background, the concept of Green Growth has emerged as a new growth paradigm in 2010 to ensure environmental sustainability, simultaneously promote economic development. Adopting Green Growth policy can be the cornerstone to solve current water and energy challenges. As an initiator of discussions on Green Growth, the Government of Korea is undertaking a collaborative research project entitled, "Water and Green Growth" with the World Water Council. The objective of this research is to provide policy framework that emphasizes on the role of water in realizing Green Growth.

Taking into account water as important component to implement Green Growth, the efforts to find effective policy instruments will be required in the national, regional and international level. To put Green Growth in practice, water-centered policies can be the first step to address water scarcity and energy security and move forward to Green Growth.

PURPOSE OF THE SEMINAR



In response to unsustainable business-as-usual approach behaviors, the Green Growth initiative has emerged as a pathway to sustainable development. In order to propel the implementation of Green Growth, acknowledging water as essential component will pave the way for finding effective instruments in policy making context.

The seminar titled '**The Water-Energy Nexus in the Context of Green Growth**' aims to 1) take a role as a platform for discussion on the water and energy nexus; 2) explore coherence between the water and energy polices; and 3) highlight the centrality of water to implement Green Growth.

At the seminar, international water experts have a chance to examine the importance of water in the context of Green Growth. The ADB, IUCN, OECD, WB, and K-water will also share practical experience and knowledge with different perspectives based on several cases which demonstrate good practices that facilitate implementation of Green Growth at a different level.

EXPECTED OUTCOMES

The expected outcomes of this seminar are:

- (a) Being aware of the importance of an integrated approach to deal with water and energy sectors;
- (b) Discussing different points of view and policy instruments to implement Green Growth which are focused on the water; and
- (c) Sharing knowledge and experiences on the Green Growth policies through expert panel discussion consisting of experts from international organizations such as ADB, IUCN, OECD, WB etc.

SEMINAR SCHEDULE (TENTATIVE PROPOSAL)

Time	Program
14:00-14:06	<p>Welcoming Address</p> <ul style="list-style-type: none"> ▪ Prof. Benedito Braga (President, World Water Council) 3' ▪ Dr. Byung-Man Choi (Executive Director, K-water Institute) 3'
14:10-15:20	<p>Session 1: Integrated Policy to realize Green Growth</p> <p>The session aims to identify the importance of coherence between water and energy sectors to implement Green Growth. Taking into account the water and energy with integrated approach, it paves the way for the Green Growth policy to be implemented efficiently. Lastly, water polices will be highlighted as a policy instrument, to address water and energy crises.</p> <p>Presentation</p> <ul style="list-style-type: none"> ▪ Thirsty Energy (<i>Dr. Diego Rodriguez, World Bank</i>) 10' ▪ Understanding nature in the Water-Energy Nexus (<i>Dr. Mark Smith, IUCN</i>) 10' ▪ Policy instruments to implement Green Growth: Water policy reforms (<i>Dr. Xavier Leflaive, OECD</i>) 10' <p>Q&A and Panel Discussion (Moderator : <i>Dr. Torkil Jønch-Clausen, DHI Group</i>) 40'</p> <p>Panelists:</p> <ul style="list-style-type: none"> ▪ <i>Mr. Richard Taylor, International Hydropower Association</i> ▪ <i>Mr. Jean Comby, Electricité de France</i> ▪ <i>Mr. Anthony Jude, Asian Development Bank</i> ▪ <i>Mr. Christopher Napoli, KAPSARC</i>
15:20-15:50	Coffee Break
15:50-16:50	<p>Session 2: Putting Green Growth in practice</p> <p>The session focuses on the practical cases which have focused in the Asia-Pacific region. The aim of the Water and Green Growth project is to find out effective policy instruments to implement Green Growth. The session explores the possibility of application of Water and Green Growth to solve water and energy problems in the regional and international level.</p> <p>Presentation</p> <ul style="list-style-type: none"> ▪ Case study of Korea: Integrated approach for Green Growth (<i>Mr. Taesun, SHIN, K-water</i>) 15' ▪ Case study of Nepal : Rural electrification project (<i>Prof. Phoebe Koundouri, LSE</i>) 15' ▪ Case study of India : Water management in Gujarat (<i>Ms. Marcia Brewster, Nautilus</i>) 15' <p>Q&A and Open discussion (Moderator : <i>Dr. Alfred Duda , World Wildlife Fund</i>) 15'</p>
16:50-17:00	<p>Closing Remarks</p> <ul style="list-style-type: none"> ▪ Prof. Dogan Altinbilek (Vice president, World Water Council) 10'