

# AGENDA



2014 UN-Water Annual  
International Zaragoza Conference

Preparing for World Water Day 2014:  
**Partnerships for improving  
water and energy access,  
efficiency and sustainability**



## Venue:

Confederación Hidrográfica del Ebro. Sala del Consejo.  
Paseo Sagasta 24-28  
50071 Zaragoza. Spain

**13 - 16 January 2014**

## Organizers:



[www.un.org/waterforlifedecade/water\\_and\\_energy\\_2014/](http://www.un.org/waterforlifedecade/water_and_energy_2014/)

## 13 JANUARY

**13:00-14:00: Registration at the venue**

**14:00-15:00: Official welcoming**

**Chair: Xavier de Pedro, President of the Ebro River Basin Authority**

- Video message: Michel Jarraud, UN-Water Chair
- Alfredo Cajal, Director of Water Institute, Regional Department of Agriculture, Government of Aragon, Spain
- Jose Ignacio Llorents, President of the Commission of Agriculture, Food and Environment, Spanish Congress
- Jerónimo Blasco, Councillor, Municipality of Zaragoza
- Liana Ardiles, Water Director, Government of Spain.

**15:00-17:30: Setting the Scene**

**Chair: Josefina Maestu, Director UNW-DPAC**

**15:00-15:20:** Water and energy challenges. Michela Miletto, WWAP

**15:20-15:45:** Policy and Governance Response. Kathleen Dominique, OECD

**15:45-16:10:** Interlinkages and trade-offs between water and energy. Diego Rodriguez, The World Bank

**16:10-16:30:** Partnerships. Kees Leendertse, Cap-Net, UNDP

**16:30-16:45:** World Water Day 2014. Zafar Adeel, UNU

**16:45-17:15:** Overview of the Conference. Josefina Maestu, UNW-DPAC

**19:30: Welcome reception by the Mayor of Zaragoza**

## 14 JANUARY

09:30-10:00: Overview of the day: Josefina Maestu

### 10:00-13:00: The Business Case for Integrated Energy-Water Planning and Investments

#### Convened by the World Bank

**10:00-10:30: Thirsty Energy Initiative: An Overview.** **Diego Rodriguez**, Senior Economist, Department of Transport, Water and Information Communication Technology (TWIWA), The World Bank

#### **10:30-11:00: Technical Considerations**

What are the research centers doing, for reaching out to governments? How showing that different technical approaches to tackle the water-energy challenge is impacting policies, planning and investments?

- **Anna Delgado**, Energy and Water Specialist, Department of Transport, Water and Information Communication Technology (TWIWA), on complexities and challenges of determining water use by different power generation technologies.
- **Michael Hightower**, Distinguished Member of the Technical Staff, Energy Systems Analysis Department, Sandia Laboratories, USA. The Water-Energy Initiative in the US, highlighting tools, frameworks and partnerships developed to mitigate sectoral tensions and to engage the energy community in the dialogue.
- **Adrian Stone**, Energy Systems Analysis Planning Programme, Energy Research Center, University of Cape Town. New ongoing work in South Africa to mainstream water constraints into energy optimization planning models.

### 11:00-11:30: Coffee break

#### **11:30-12:00: Private Sector Innovations – Companies' Role in Ameliorating Energy-Water Stresses**

What are the main challenges companies face in reaching out to governments regarding the energy-water nexus policies? How can the business community help showing governments that water constraints in the energy sector can drive innovation and partnerships for a sustainable development of the resources? How is the private sector helping making the case to adapt policies, planning and investments with energy and water uncertainty in the future?

- **Laurent Bellet**, Water and Energy Specialist, Electricité de France (EDF). The Water for Energy Framework (W4EF) Initiative and discussing EDF's efforts on this issue.
- **Pol Adarve**, Deputy Strategic Relations of Abengoa. The company's experience and efforts to reduce water-related impacts in arid countries such as Morocco and South Africa.

#### **12:00-12:20: Managing the water and energy challenge at a national scale**

How Governments enhance integrated water-energy planning to reduce vulnerability of water and energy investments? What can Governments do to ensure sustainable development? Why is this an important issue and why are partnerships important for countries?

- **Annuikka Lipponen**, Environmental Affairs Officer, Economic Commission for Europe (UNECE). Presents a case on the Pilot Assessment of the Water-Food-Energy-Ecosystems Nexus in the Alazan/Ganikh Basin.
- **Kelly Kryc**, Department of State, US Government, presents how the US Government has been incorporating the nexus in their practice. What has taken to do so.

- **Maria Sicilia Salvadores**, Ministry of Industry and Energy of Spain: National energy planning and integration of water issues.

**12:20-12:50: General discussion and concluding remarks. Diego Rodriguez**, The World Bank

**12:50-13:20: Side Event 1. World Water Day 2014 Teaser: UNU and UNIDO**

13:20-14:30: Lunch

**14:30-18:00: Industry partnerships to ensure water and energy efficiency and sustainability**

**14:30- 16:00: Panel 1 UNIDO-Industry Partnerships. Convened by UNIDO**

**14:30-15:00: Overview** of UNIDO-Industry Partnerships: **Igor Volodin**, Water Management Specialist, Technical Cooperation Division of UNIDO.

**15:00-15:30: Panel Discussion moderated by Igor Volodin**

- **Igor Volodin**, Water Management Specialist. Technical Cooperation Division of UNIDO. Results from partnerships in MED TEST (Transfer of Environmentally Sound Technologies) and integrated-approaches for elimination of pollution from land-based industrial activities within the Mediterranean regions.
- **Barbara Kreissler**, Industrial Development Officer in the Business, Investment and Technology Services Branch of UNIDO. UNIDO Business Partnerships are intended to act as a forum to catalyze, mobilize and mainstream action on Green Industry around the world.
- **Christian Susan**, Industrial Development Officer, UNIDO and **Mr. Wouter de Groot**, CSR and Risk Manager at Carlsberg Supply Company. Partnership between UNIDO and Carlsberg/Baltika Breweries' comprehensive investment programme.

**15:30-16:00: Open discussion and conclusion**

16:00-16:30: Coffee break

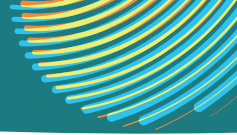
**16:30-18:00: Panel 2 UNEP – Industry and other stakeholders partnerships. Convened by UNEP**

**16:30-17:00: Shaoyi Li**, Head, Integrated Resources Management Unit, Sustainable Consumption and Production Branch, Division of Technology, Industry and Economics, United Nations Environment Programme (UNEP., **Overview** of lessons learnt from industry partnerships on water and energy (including brief presentations by panelists)

**17:00-17:30: Panel Discussion moderated by Shaoyi Li**

Why do we need robust partnerships to address the water-energy nexus issues? What are the challenges and opportunities for partnerships to be effective and successful on the water-energy nexus? What are building blocks (key elements) for partnerships to plan and implement concerted actions? Concrete suggestions to forge and promote partnerships?

- **Iris Cheng**, Climate and Energy Campaigner, Greenpeace. Coal's water use: Case studies from South Africa and India, highlighting the importance of partnerships for effective water planning and transparency in the energy sector which is crucial for effective energy and water nexus decision-making.
- **Alistair Wyness**, Group Water Expert, BP. A BP-funded multi-disciplinary research programme investigating the effects of natural resource scarcities on patterns of energy supply and consumption.



- **Mr. Simon Howard**, International Hydropower Association provides a globally-relevant, multi-stakeholder supported, assessment methodology, to continuously improve sustainability in the hydropower sector. It removes the need for individual criteria-setting at organization, sector, country and regional levels by providing an internationally-applicable language with which to assess hydropower.
- **Robert Schröder**, Policy Officer, European Commission, DG Environment, Unit C.1 Protection of Water Resources. European Innovation Partnership on Water a project that identifies key barriers to innovation in the field of water and developed action plans to implement ways of removing these barriers through promoting Public Private Partnerships.

**17:30-18:00: Open discussion, conclusion and the way forward: Shaoyi Li and Josefina Maestu**

**18:00-19:00: Side Event 2. Panel discussion on challenges for water and energy in Spain, convened by Ebro River Basin Authority:** with the participation of Jose Maria Marcos (UNESA); Jose Luis Perez (Aragon-Cataluña Channel); Gabriela Mañueco (Acuamed); Ines Torralba (Ebro River Basin Authority), Alfonso Andres (INCLAM)

**19:00: Transportation from the venue of the River Basin Authority to the visit**

**19:30: Words from the President of the Aragon Parliament and Visit to the Aljafería Palace**

## 15 JANUARY

**08:30-09:00: Informal side breakfast meeting on legal aspects on water and energy, by Elena Lopez Gunn (Botin Foundation) and Antonio Embid (Zaragoza University). In "Sala de los Glaciares" –main venue–**

**09:00-09:30: Recap and overview of the day, Josefina Maestu**

**09:30-13:00: Local Partnerships on W&E**

**09:30-11:00: Panel 1 Partnerships between water and energy utilities. Convened by Aquafed**

**09:30-10:00: Overview:** Water and energy utilities Partnerships. **Jack Moss**, Aquafed.

**10:00-10:30: Panel Discussion moderated by Jack Moss**

- **Sahil Chadli**, Director of INDH-INMDE. Water, energy, wastewater & waste in Casablanca. Synergies and challenges in the multi-service contract for the City of Casablanca, Morocco; challenges faced in cooperating for devising and implementing a pro-poor approach in a rapidly developing city environment.

- **Dominique Gatel**, Veolia Water. Operational Water & Energy efficiency. Recent developments in technologies and management approaches that seek to develop the water-energy nexus in municipal and industrial water and wastewater management. Partners and challenges for cooperation.
- **Ignacio Lozano**, Canal Gestión Madrid Water Company. Relations with energy utilities in integrated management of water and energy in Madrid.

**10:30-11:00: Open discussion, and conclusion**

**11:00-11:30: Coffee break**

**11:30-13:00: Panel 2. Partnerships of Local and Sub national authorities with other actors. Convened by ICLEI**

**11:30-12:00: Overview:** Partnerships between Local Authorities and other actors. **Barbara Anton**, ICLEI

**12:00-12:30: Panel Discussion moderated by Barbara Anton**

- **Hongpeng Liu**, Chief of Energy Security and Water Resources Section, Environment and Development Division, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP). Pro-poor public private partnership (5P) cooperation built on the expertise of each partner that best meets clearly defined public and community needs through the appropriate allocations of resources, risks and rewards.
- **Victor Viñuales**, (ECODES) and **Jeronimo Blasco/Javier Celma** (Municipality of Zaragoza). Promotion of the adoption of water and energy efficient technologies and practices by households, SMEs and Local Authorities in cities.
- **Alice Bouman**, President of Women for Water Partnership, Partnership experiences involving women in communities for improving access to water considering energy efficiency.

**12:30-13:00: Open discussion and conclusions**

**13:00-14:45: Lunch**

**14:15-14:45: Side Event 3 World Water Week 2014 convened by SIWI**

**14:45-18:00: Policy Research and Innovation partnerships for W&E**

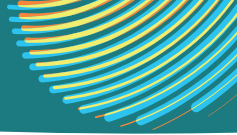
**14:45-16:15: Panel 1 Partnerships on policy research on water and energy. Convened by UNU**

**14:45-15:15: Overview:** Lessons from partnerships on Policy Research, **Zafar Adeel**, UNU.

**15:15-15:45: Panel Discussion moderated by Zafar Adeel**

What are the key knowledge gaps in the water-energy nexus? How does the sectoral asymmetry further amplify these gaps? What are some good (and perhaps bad) examples and initiatives from the research community that address the challenges and inform the policy formulation at the water-energy nexus? What lessons can be learnt? What new modalities can be emphasized to build new partnerships between the scientific community, governments, private sector and other actors?

- **John Payne**, Independent Consultant. Focus on the knowledge gaps observed for initiatives that operate on the water-energy nexus, particularly in the private sector.



- **Zelalem Gebrehiwot**, East African Power Pool (EAPP). Mr. Gebrehiwot will address the research undertaken in the energy sector, and related elements to the water sector. He will particularly focus on “water-smart” energy and the research needs for making such efforts sustainable.
- **Dr. Yasutoshi Shimizu and Dr. Kanako Toyosada (TOTO)**. Both representatives from TOTO will speak about the potential for linked water-energy management through new approaches for sanitation. They will address research opportunities being pursued on this topic in the academia.
- **Alberto Garrido**, University of Madrid and Botin Foundation, Policy research on water and energy scenarios in Latin America

**15:45-16:15: Open discussion and conclusion**

**16:15-16:30: Coffee break**

**16:30-18:00: Panel 2 Innovation partnerships on water and energy. Convened by WWAP**

**16:30-17:00: Overview**, Lessons on partnerships for innovation, and way forward, **Engin Koncagul**, Programme Specialist, WWAP (including remarks from Paolo Fulignati).

**17:00-17:30: Panel Discussion moderated by Engin Koncagul/Michela Miletto**

- **Paolo Fulignati**, Vulcanology Full Professor, Dept. Earth Sciences, University of Pisa, Italy. A science-based tool for integrating geothermal resources into regional energy planning in Umbria, Italy.
- **Enrique Playan**, Joint Programming Initiative of the European Union. This initiative deals with research, development and innovation in the field of water and hydrological sciences. The availability of water in sufficient quantities and adequate quality is indeed a public issue of high priority and addresses a pan-European and global environmental challenge.
- **Carlos Levinton**, Center of Experimentation of the University of Buenos Aires. The partnerships initiative is transferring dry sanitation to the communities with a system using solar energy for drying up excreta and transforming it into fertilizers with no pathogens.
- **Mark Smith**, IUCN.

**17:30-18:00: Open Discussion and Conclusion by Michela Miletto**

**18:00-18:30: Lessons learnt and roadmap to World Water Day**

Moderator: **Josefina Maestu**.

Panel: **Zafar Adeel, Diego Rodriguez, Igor Volodin, Jack Moss, Barbara Anton, Michela Miletto, Shaoyi Li, Hongpeng Liu Tomas Sancho, Alice Bouman, Annukka Lipponen**

**18:30-19:30: Side Event 4 Panel discussion on managing the nexus on water and energy in Spain, convened by the Ebro River Basin Authority and the World Council of Civil Engineers:** with the participation of Manuel Omedas (Ebro River Basin Authority); Mariano Sanz (CIRCE); Clemente Prieto (Iberdrola); Alberto Estallo (ELEC NOR); Tomas Sancho (World Council of Civil Engineers), Gonzalo Piernavieja (Technological Institute of the Canary Islands)

**19:30: Farewell drinks and dinner**



## 16 JANUARY

### Field visits (optional)

#### 09:00 in Zaragoza

Technical visit: **The Ebro River-Basin Authority and its Automated System for Hydrological Information (SAIH)**

[http://www.un.org/waterforlifedecade/water\\_and\\_energy\\_2014/technical\\_visit\\_saih.shtml](http://www.un.org/waterforlifedecade/water_and_energy_2014/technical_visit_saih.shtml)

#### 10:00 in Zaragoza

Technical visit: **Eco-City of Valdespartera and Sustainable Town Planning Center** organised by the Municipality of Zaragoza

**10:00:** Pickup at Ebro River Basin Confederation, Zaragoza, Spain

**10:30 to 11:30:** Tour

**12:00:** Arrival at Ebro River Basin Confederation, Zaragoza (or Hotels/Train Station)

#### In Madrid (organized transport to and from Train station)

Technical visit: **Canal Gestion**

**12:00:** Bus will pick up participants from Atocha Train Station, Madrid, Spain

**12:30-13:30:** Site visit

**14:00:** Bus arrival at Atocha Train Station

Visit to the new main control center of Canal Gestion, the public company that manages the water supplies for all the region of Madrid, Spain. The center has a capacity to analyze 10,000 data per minute and enables real-time awareness of supply and treatment status, water quality and the situation at groundwater collection points.

[http://www.un.org/waterforlifedecade/water\\_and\\_energy\\_2014/technical\\_visit\\_canal\\_gestion.shtml](http://www.un.org/waterforlifedecade/water_and_energy_2014/technical_visit_canal_gestion.shtml)

#### From Zaragoza: Photovoltaic Water Pumping. Villar de los Navarros.

**13:00:** Bus will pick up participants from the venue: Confederación Hidrográfica del Ebro (CHE), Zaragoza

**14:30-15:30:** Technical Visit

**17:00:** Arrival at Confederación Hidrográfica del Ebro (CHE), Zaragoza.

[http://www.un.org/waterforlifedecade/water\\_and\\_energy\\_2014/technical\\_visit\\_photovoltaic\\_water\\_pumping.shtml](http://www.un.org/waterforlifedecade/water_and_energy_2014/technical_visit_photovoltaic_water_pumping.shtml)