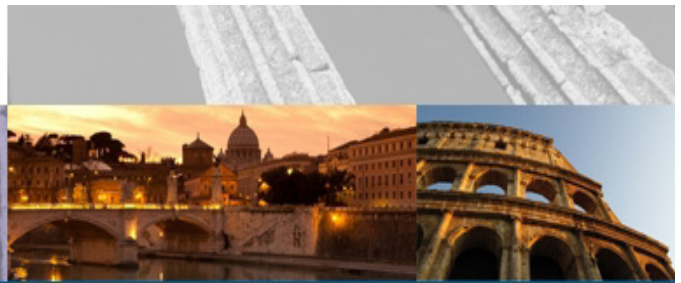


ROME



GLOBAL WATER SUMMIT 2012

BRAVE NEW WORLD

Sunday 29th April

FROM 5.30PM: REGISTRATION IN THE "SALONE DEI CAVALIERI" BALLROOM FOYER

FROM 7.00PM: CONFERENCE WELCOME DRINKS IN THE CAVALIERI HOTEL'S "TERRAZZA DEGLI ARANCI"

Day 1: Monday 30th April

9.00 AM: CONFERENCE WELCOME

Welcoming address from **Corrado Sommariva**, President of the IDA

9.15 AM: KEY NOTE SESSION

From revolutions in the Middle East and North Africa to turmoil in the world economy and the continued rise of the BRIC nations, 2011 was a year of momentous change, and the consequences will be felt throughout the global water sector. Our keynote session brings together a series of high level speakers from the epicentre of these great world events. What sort of future can we expect for the world, and for the water industry in particular? Chaired by **Usha Rao-Monari**, Global Head, Water and Waste, IFC.

John Lipsky, Former Managing Director, The International Monetary Fund - *"Beyond the Crisis of Public Finances"*

The crisis in public finances is the biggest issue facing the global water sector today. 90% of water infrastructure is financed by public authorities, and many of them are being dragged down by growing debts and stagnant revenues. John Lipsky was at the helm of the global financial system last summer when the crisis first struck. He here he gives his view of what happened, how the crisis will be resolved, and how this may change the public funding of water infrastructure forever.

Dr Mihir Shah, Head of Water Resources, Rural Development and Decentralised Governance, The Planning Commission, Government of India - *"Planning India's Water Future."*

Dr Shah has been tasked by India's Prime Minister with developing a new national strategy for sustainable water resource management for India. This strategy represents a paradigm shift in the management of water resources on the sub-continent. Here Dr Shah outlines his vision for the future of water provision and use for India's 1.2 billion inhabitants.

Frank Rijsberman, Director, Water, Sanitation & Hygiene Program at the Gates Foundation - *"The Future of Global Sanitation: Reinventing the Toilet"*

2.6 billion people around the world do not have access to a sanitary toilet, and half the hospital beds in the developing world are filled with patients suffering from the diseases this causes. But to develop traditional sanitation for a problem of this scale requires huge amounts of infrastructure, and huge amounts of water. The Gates Foundation believes it has found the solution: to reinvent the toilet.

10.30 AM: COFFEE BREAK

11.00 - 12.30 PM: NETWORKING ROUND TABLES

The conference speakers and specially invited guests host tables of ten to lead discussions on their areas of expertise. Introduce yourself around the table. Listen to the presentation. Take part in the discussion and move on. After three half-hour sessions you will have made the new contacts you need to make the most of the conference. Tables include:

● **Dobromir Simidchiev**, Deputy Minister of Regional Development, Bulgaria - *"Private Investment in Bulgaria's Water Sector."*

● **Afonso Lobato de Faria**, President, Aguas de Portugal - *"An Overview of the Portuguese Water Sector."*

● **Rossana Brantes Abarca**, Public Policy and Environment Issues Analyst, The Chilean Copper Commission (COCHILCO) - *"Water and Mining in Chile."*

● **Gerald Razafinjato**, CEO Sandandranano, Madagascar -

"Entrepreneurship and Water in Madagascar."

● **Eduardo Ismodes Cascon**, Chairman, SEDAPAL, Peru - *"Desalination and PPPs in Peru."*

● **Dr Shah Nawaz Sinha**, Water Desalination and Reuse Center, KAUST Saudi Arabia - *"New Directions in Desalination Research"*

● **Taqsem Khan**, CEO Dhaka WASA - *"The Dhaka WASA Turnaround Program."*

● **Sue Murphy**, CEO, Water Corporation, Australia, - *"Securing Australia's Water Future."*

● **Michael Deane**, Executive Director, NAWC - *"Is it Finally Time for Private Capital in the U.S.?"*

● **Rafiq Hussein**, Deputy Secretary General, Union for the Mediterranean - *"The Union for the Mediterranean and the International Water Sector."*

● **HE Mohammed Al-Mahrouqi**, Chairman, Oman Public Authority of Electricity and Water - *"Water in Oman."*

● **Shayo Holloway**, Group Managing Director, Lagos State Water Corporation - *"The Water Supply*

Challenge in a Developing Mega-City."

● **Guy Horowitz**, Chairman, The Smart Water Networks Forum - *"Smart Networks in Developing Countries."*

● **Dr Latif Rashid**, Senior Advisor to the Iraqi President, Former Minister of Water Resources, Iraq - *"The Future of Water in Iraq."*

● **Ashot Baghdasaryan**, Senior Financial Economist, COWI - *"Kazakhstan's PPP Program."*

● **Michael Schneyderman**, CEO, Rosvodokanal - *"The Water Mar-*

ket in Russia.”

- **Tom Rooney**, Founder, Water-Find, “Water Trading in Australia.”
- **Kathy Shandling**, Executive Director, International Private Water Association (IPWA) - “The Water and Energy Nexus.”
- **Julia Bucknall**, Water Anchor, The World Bank and **Usha Rao-Monari**, Global Head, Water and Waste, IFC - “World Bank and IFC Initiatives in Water.”
- **Maurice Neo**, Managing Director, Singapore PUB - “Water Solutions for Liveable and Sustainable Cities.”
- **Sahachai Hengtrakool** MD, Thai Tap - “Business Continuity for Water Utilities during Natural Disasters.”
- **Dr David Lloyd Owen**, Director, Envisager - “Assessing the Real Needs for Infrastructure Invest-

ment in the Water Sector.”

- **Olivier Prigent** and **Giulio Boccaletti**, McKinsey & Co - “New Directions in Utility Management.”
- **Wan Yusheng**, Director of Water Resources Committee, Ministry of Water Resources, China - “Unconventional Water Resources in China.”
- **Sophie Trémolet**, Trémolet Consulting - “Models for Private Finance in Urban Sanitation in Developing Countries.”
- **Dale Bishop**, President and CEO, Hydra Renewable Resources - “Wastewater as a Resource.”
- **Tony Ripley**, Water White Paper & Water Bill Team, Department for Environment, Food and Rural Affairs (DEFRA), Government of the United Kingdom - “Planning the UK’s Water Future.”
- **Dave Penrice**, CEO, Aqua

Capital Management - “The Water Rights Market.”

- **Stephen Khor**, General Director, Binh An Water - “PPPs in the Vietnamese Water Sector.”
- **Kenneth von Schaumburg**, Co-Chair, Environment, Energy & Natural Resources, Clark Hill, Former Deputy General Counsel to US EPA - “The Future of Fracking in the US.”
- **Felix Stroe**, President, Aqua Management Solutions, and **Miguel Jurado** Vice-President of Aqualia - “New Challenges in Central & Eastern Europe”
- **Steve Maxwell**, TechKNOWLEDGEy Strategic Group, “Merger and Acquisition Trends in Water.”
- **Alex Miles**, Chief Investment Officer, Kingfisher Capital - “Investing in Water.”
- **Michel Canet**, Executive Vice-

President, Veolia Water Solutions & Technologies - “Minimizing the Carbon Footprint of Desalination.”

- **Bastien Simeon**, Global Head of Water, KPMG - “Performance Contracts: the Future of PPP?”
- **Bob Sheppard**, Senior Advisor to the Global Clearinghouse for Development Finance - “New Strategies for Accessing Development Finance.”
- **GWI Research Team** - “The Top Three Industrial Water Markets: Opportunities in Oil and Gas, Mining and F&B.”
- **Moti Shiri**, VP for Planning and Development, Mekorot - “Wastewater Management and Reuse in Israel”.

12.30 - 2.00 PM: LUNCH

2.00 PM: SECURING THE MIDDLE EAST’S WATER FUTURE

Some countries in the Middle East and North Africa have entirely new governments in 2012, while others are quietly making fundamental changes to the way their relationship with water works. We bring together senior officials to explain how the intimate relationship with their water resources will develop and change as we head into the future. Speakers include **HE Mohammed Al-Mahrouqi**, Chairman, Oman PAEW, **Rafiq Hussein**, Deputy Secretary General, the Union for the Mediterranean, **Hon. Miguel Moratinos**, former Minister of Foreign Affairs, Spain and Senior Diplomatic Advisor of the Qatar National Food Security Program, **Prof. Walid Abderrahman**, Chairman & CEO of Miahona, and **Dr Latif Rashid**, Senior Advisor to the Iraqi President, and former Minister of Water Resources, Iraq. Chaired by **Shannon McCarthy**, Deputy Center Director, The Middle East Desalination Research Center.

2.00 PM: INSPIRATION FROM INDUSTRY

As pressure on the world’s water resources grows, industry is being forced to be ever more proactive in its relationship with and consumption of water. We ask what municipal utilities can learn from the best practices in sustainability from the food and beverage, mining, and oil and gas industries. Speakers include **Rossana Brantes Abarca**, Public Policy and Environment Issues Analyst, The Chilean Copper Commission (COCHILCO), **Gerrit Veenendaal**, General Manager, NieuWater B.V., and **Bob Bailey**, Water President at CH2M Hill, **Dr. Ilham Kadri**, General Manager EMEA and Commercial Director EMEA, Dow, as well as representatives from the Food and Beverage Industry. Chaired by **Bertrand Garnier**, Technical Director, Ondeo Industrial Solutions and **Cristina Vignano**, Ondeo Industrial Solutions, Italy.

3.30 PM: TEA BREAK

4.00 - 5.30 PM: NETWORKING ROUND TABLES

A second session of our Round Table Networking. Our most popular Round Tables will present a second time, and will be joined by a series of new presenters. Tables include.

- **Katja Hansen**, Senior Researcher and Cradle to Cradle Chair, Erasmus University - “An Introduction to Cradle to Cradle.”
- **Ramon Alikpala**, Chairman, Metropolitan Waterworks and Sewerage System, Philippines - “Opportunities for International Investors in the Philippines Water Sector.”
- **Joppe Cramwinckel**, Director, Water, The World Business Council for Sustainable Development - “Measuring Risk in Industrial Water.”
- **Leow Peen Fong**, Executive Director, Economic and Social Regulatory Department, National Water Services Commission of Malaysia (SPAN) - “Water Sector Reforms in Malaysia.”
- **Ali Redha Hussein**, Director, Water Transmission, the Electricity and Water Authority Bahrain - “Water in Bahrain.”
- **Walt Schultz**, CEO, Hydration Technology Innovations (HTI) LLC - “New Applications for Forward Osmosis in the Oil and Gas Market.”
- **Khoo Teng Chye**, Executive Director, The Centre for Liveable Cities - “Sustainability in Cities.”
- **Alan Thomson**, Managing Director, ADSSC - “Wastewater Treatment in Abu Dhabi.”
- **HE Loay Al Musallam**, CEO National Water Company, Saudi Arabia - “Next Steps for the NWC.”
- **Dr Rebhy El Sheikh**, Deputy Chairman, Palestinian Water Authority - “Strategic Palestinian Water Options.”
- **Dr. Abdullah Al Alshaikh**, Deputy Governor for Planning and Development, SWCC, Saudi Arabia - “The Latest Developments at SWCC.”
- **John Ringham**, CEO, South Australia Water and **Max Borchardt**, GWI Australia Editor - “A Brave New World for Water in Australia.”
- **Bastien Simeon**, Global Head of Water, KPMG - “Performance Contracts: the future of PPP?”
- **Robin Simpson**, Senior Policy Advisor to Consumers International - “Should Consumers Demand Higher Water Prices?”
- **Steve Grossman**, Executive Director of the Ohio Water Development Authority (OWDA) - “Lessons on Water Funding from the US State Revolving Fund Model.”
- **Sayed Hasnain**, Deputy Managing Director, Karachi Water and Sewerage Board - “Water and Wastewater Projects in Karachi.”
- **Tom Rooney**, Founder, Water-Find - “Water Trading in Australia.”
- **Dr Vasile Ciomos**, President, The Romanian Water Association - “Merger and Corporatization of Utilities in the Romanian Water Sector.”
- **Olivier Prigent** and **Giulio Boccaletti**, McKinsey & Co - “New Directions in Utility Management.”
- **Tawanda Nyandoro**, Acting Group Strategy Executive, Rand Water - “Growth Opportunities in South African Water and Sanitation Sector.”
- **Minister Fergus O’Dowd, T.D.** Minister of State, Department of Environment, Ireland, and **Maria Graham**, Principal Officer, Water Services Investment Section, Department of the Environment, Ireland - “Opportunities in the Irish Water Sector.”
- **Mark Lane**, Pincent Masons - “The EU Water Framework Directive.”
- **Steve Maxwell**, TechKNOWLEDGEy Strategic Group, “Merger and Acquisition Trends in Water.”
- **Alex Miles**, Chief Investment Officer, Kingfisher Capital - “Investing in Water.”
- **Kathy Shandling**, Executive Director, International Private Water Association (IPWA) - “The Water and Energy Nexus.”
- **Oded Fixler**, Deputy Director General, Israeli Water and Sewerage Authority - “The Water and Wastewater Sectors in Israel.”
- **Gaurav Gupta**, CEO, Bangalore Water Supply and Sewerage Board - “PPPs in Bangalore.”
- **Ghassan Ejeh**, Director, Besix - “The Safi Reuse Project in Ajman.”
- **Dr David Lloyd Owen**, Director, Envisager - “Assessing the real needs for infrastructure investment in the water sector.”
- **Dave Penrice**, CEO, Aqua Capital Management - “The Water Rights

Market.”

- **Gheorghe Salaru**, Minister of the Environment, The Republic of Moldova - “Opportunities to solve the environmental issues in the Republic of Moldova”.
- **Andrea Bossola**, Head of Water Division, ACEA Spa - “The Italian Water Market.”
- **Leon Awerbuch**, Chairman of

- IDA Technical Programs, President, Leading Edge Technologies - “The IDA Energy Task Force at the Marseille World Water Forum.”
- **Bernardus Djonoputro**, Managing Director, Nusantara Infrastructure, Indonesia - “When is the boom coming to Indonesia’s Water Market?”
- **John Tonner**, COO, Consolidat-

- ed Water - “New Developments in the Caribbean Water Market.”
- **Takashi Hongo**, Senior Fellow, Mitsui Global Strategic Studies Institute, “Development Finance in Asia.”
- **Patrick Lorin**, General Director, Armenian Water & Sewerage Company - “The Water and Wastewater Sector in Armenia.”

- **Dr. Orianna Bretschger**, Associate Professor at J. Craig Venter Institute - “Waste Not: Emerging Technologies for Sustainable Wastewater Treatment.”.



MONDAY 7.30PM:

The Global Water Awards Gala Dinner

SPONSORED BY **ABENGOA**



Including a presentation by our Guest of Honour **Craig Venter**.

Biotechnology will be to the 21st century what information technology was to the 20th. It will be the central driver of productivity. The man at the centre of this revolution is Craig Venter: having been first to sequence the human genome, he is now pioneering the development of synthetic organisms to address the challenges the world now faces. Biology will enable the world to make the transition from an extraction-consumption-disposal based economy to a circular economy where all of the inputs are renewable, and all of the outputs are recyclable. The sector is already the largest bulk biotechnology user in the world: is this an opportunity for us?

Day 2: Tuesday 1st May

9.00 AM KEY NOTE SESSION; A BRAVE NEW WORLD FOR WATER

With all the challenges facing the water and wastewater sectors, we sometimes lose sight of the bigger picture. In this unique experiment we bring together an illustrious panel of experts including **Julia Bucknall**, Water Anchor at the World Bank, **Gerard Payen**, President of AquaFed, **Shayo Holloway**, Group Managing Director, Lagos State Water Corporation and **Dr Johan Groen**, Chief Technology Officer at Xylem to discuss the question: what is our perfect water future? Chaired by **Roger Harrabin**, the BBC’s Environment Analyst.

10.30 AM: COFFEE BREAK

11.00 AM: THE CIRCULAR ECONOMY: DEFYING THE LIMITS OF GROWTH

The growth in the global economy is starting to run up against the limits of what is ecologically sustainable. Energy, food and raw material prices are close to all time highs, while in the longer term pollution and carbon emissions threaten growth. The solution is to move from an economy based on natural resource extraction and consumption and towards a circular economy based on recycling and reuse. Water technology has an essential role to play in this paradigm shift. Here we bring together the water technologists, industrialists, and visionaries who will make this future possible, including **Craig Venter**, Founder, Chairman and President of the J. Craig Venter Institute and Founder and CEO of Synthetic Genomics Inc., **Katja Hansen**, Senior Researcher and Cradle to Cradle Chair, Erasmus University, **Martijn Kruisweg**, Lead, Global Eco-Efficiency Improvement Program, AkzoNobel, and **Markus Zils** from McKinsey. Chaired by **Usha Rao-Monari**, Global Head, Water and Waste, International Finance Corporation.

11.00 AM: WATER PERFORMER OF THE YEAR

What are the best utilities doing to improve their performance? Which entrepreneurs are making the biggest impact on the way the world of water works? We have short-listed water sector performers from around the world to present initiatives which have made a difference. Each will be presented in the quick-fire 8 minute Pecha Kucha format before the audience votes on the best presentation. The winner will receive a Global Water Award, “Water Performer of the Year”. Chaired by **Olivia Jensen**, GWI’s Asia Editor, **Taqsem Khan**, CEO of Dhaka WASA, and **Perry Rivera**, CEO of Manila Water. Shortlisted participants include:

- Oscar Chu**, Deputy General Manager, The Macao Water Supply Co. Ltd.
- Gerald Razafinjato**, CEO, Sandandrano, Madagascar
- Jerome Douziech**, Nuove Acque SpA
- Patrick Lorin**, General Director, and **Hasmik Harutyunyan**, Public Relations Director, Armenian Water & Sewerage Company
- Fahad Al Jurish**, Senior Manager, IT, The National Water Company, Saudi Arabia

11.00 AM: 10 QUESTIONS FOR THE FUTURE OF DESALINATION

We bring together a panel of desalination experts including **Dr Rick Stover** from Desalitech, **Corrado Sommariva**, Managing Director, ILF Consulting Engineers, Middle East and President of the IDA, **Lance Johnson** Commercial Director, Americas & Japan Dow Water & Process Solutions, **Michel Canet**, Executive Vice-President, Veolia Water Solutions & Technologies and **Neil Palmer**, CEO, The National Centre of Excellence in Desalination Australia to debate the great questions surrounding the future of seawater and non-seawater desalination. Can anything displace RO as the dominant desal technology? Is point-of-use desalination realistic? Is renewable energy a desalination issue? What is the future of desalination in the oil field? Chaired by **Miguel Angel Sanz**, Director of Development & Innovation at Degremont.

12.30 PM: LUNCH

2.30 PM: WATER TECHNOLOGY IDOL

Five companies with early stage technologies which could change the future of water make their claim to be Water Technology Idol 2012. A panel of expert judges chaired by **Tom Pankratz**, Editor of Water Desalination Report (WDR) ask the tough questions, then our audience votes for the winner. Participating companies include:

Kris Looney, President, Selenium Ltd

Prof. Hans Coster, Chief Scientist and Chairman, INPHAZE Pty Ltd

Rodney Komlenic, Disruptor® Filtration Technology

Olgica Bakijan, CEO, Porifera

Laura Demmons, CEO, Sylvan Source

2.30 PM: THE WINNING FORMULA...

...is working together. Successful outcomes in collaborations between public authorities and their operators come as a result of truly working together. When they do not work together, a success story is very hard, if not impossible, to achieve. What is the formula for success in partnerships between public authorities and their operators? We bring together a series of case studies presented jointly by a public authority and its corresponding operator, public or private, followed by a group discussion to draw out the lessons and conclusions for the global water industry.

4.00 PM: TEA BREAK

4.30 PM: GWI PANEL SESSION - WILL WATER AND MONEY MEET?

Water offers an extremely attractive long term proposition for investors, but the opportunities for private money in the sector remain severely limited. What is the financial model that will finally bring water and money together in our Brave New World?

Chaired by **Christopher Gasson**, Publisher, Global Water Intelligence, with **Steve Grossman**, Executive Director of the Ohio Water Development Authority (OWDA), **Rajiv Mittal**, CEO of VA Tech WABAG, **Bob Sheppard**, Senior Advisor to the Global Clearinghouse for Development Finance, and **Deane Dray**, Director, Multi-Industry & Electrical Equipment, Citi Investment Research.

5.30 PM: CONFERENCE WRAP FOLLOWED BY FAREWELL DRINKS