

**Keep Moving Forward:** The world is again looking to COP 22 for our path forward on tackling climate change. This was the first Conference with the Paris Agreement in force though it may have been somewhat overshadowed by the uncertainty following the US presidential election. With the USD3 billion dollar pledge to the Green Climate Fund up in the clouds there are clearly challenges regarding funding. However, in Asia, there are positives pointing the way forward. The Indonesian government has found an innovative financing facility as Genasci, CEO of ADM Capital Foundation, tells us. Another is the recently approved new standard for climate-resilient water bonds. Hear about it from members of the consortium that created it, Matthews of AGWA and Creed & Dai of the Climate Bonds Initiative. China is also full steam ahead on lucrative solutions. All new waste & wastewater projects must follow the PPP model. We take a look to see if this differs from previous funding. Also, new Chinese EPA standards tackling highly polluting landfill leachate are putting traditional solutions to the test. OriginClear's Kindler, Eckelberry & Jan introduce a viable alternative. To move forward we also need to go backwards to some degree, well more precisely circular. Fashion can help go circular on plastic waste as Waste2Wear's Kim expands. Our global path on the climate may be cloudy but as we can see there are some bright patches. Knowing where we are is a good start and so we reflect on whether we are now seeing clearly on corporate disclosure. Regardless of the situation it's important that we look in all places for innovations and keep moving forward, otherwise lucrative solutions will be missed. On a positive note, in September we said it's over to financial research analysts to build scenarios to value water risk and we are glad to see UBS publish two reports regarding this. It could indeed be sunny times ahead.



NOVEMBER NEWSLETTER

## EDITORIAL

**Keep Moving Forward:** The world is again closely looking to COP 22, which will end on Friday, for our path forward on tackling climate change. This was the first Conference with the Paris Agreement in force though it may have been somewhat overshadowed by the uncertainty following the US presidential election. With the USD3 billion dollar pledge to the Green Climate Fund up in the clouds there are clearly challenges regarding funding.

However, in Asia, there are positives pointing the way forward. The Indonesian government has found an innovative financing facility for conservation and sustainable development. We sat down with Lisa Genasci, CEO of ADM Capital Foundation, to find out more. Another financing positive is the recently approved new standard for climate-resilient water bonds. Hear about it from members of the consortium that created it, John Matthews of AGWA and Anna Creed & Lily Dai of the Climate Bonds Initiative.

China is also full steam ahead (see the various policies in the Tapping In column) on lucrative solutions or in another name, "green finance". This is trickling down into water. All new waste & wastewater projects must follow the Public-Private-Partnership model. We take a look to see if this differs from previous funding. Also, new Chinese EPA standards tackling highly polluting landfill leachate ("black water") are putting traditional solutions to the test. OriginClear's Jean-Louis Kindler, Nicholas Eckelberry & Stephen Jan introduce a viable alternative treatment.

To move forward we also need to go backwards to some degree, well more precisely circular. This is true if we are to tackle the mounting plastic pollution that is infiltrating our oceans. Fashion can be a solution by creating high quality clothes from recycled plastic waste. Waste2Wear's Sondra Kim expands.

So although the global path regarding climate change may be cloudy, there are bright patches ahead in Asia. Knowing where we are is a good start and so we reflect on whether we are now seeing clearly on corporate disclosure.

Regardless of the situation it's important that we look in all places for innovations and keep moving forward, otherwise lucrative solutions will be missed. On a positive note, in September we said it's over to financial research analysts to build scenarios to value water risk and we are glad to see UBS publish two reports regarding this. It could indeed be sunny times ahead.



**Financing Innovation From Indonesia**  
Green finance is high on agendas. The Tropical Landscape Finance Facility is a new model for just such. How does this work? CWR sat down with Genasci of ADM Capital Foundation to find out  
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**Financing Water Resilience: Climate Bonds for China**  
Climate bonds is a rapidly growing market but there are verification concerns plus gaps for water-related investments. AGWA's Matthews & CBI's Creed & Dai on the new water bond standard  
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**Water PPPs To Lead In China**  
All new water & wastewater projects in China need to follow the Public-Private-Partnership model. Will this mean big change? How have other water-related projects been funded previously? CWR's Xu takes a look  
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**Treating Landfill Black Water**  
Landfill leachate, a highly polluting effluent, is now under new China EPA standards. Standard treatments have limitations but EWS:AOx™ by OriginClear is an alternative as its Kindler, Eckelberry & Jan show  
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**Fashion To Solve China's Plastic Pollution**  
With most PET made for fibres and not bottles, fashion is a big contributor to the plastic problem. However, it can also be part of the solution as Kim from Waste2Wear tells us  
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**Corporate Disclosure: Can We See Clearly Now?**  
Global climate targets are connected to the operations of companies and with COP 22 underway, CWR's McGregor reflects on corporate disclosure, the obstacles in our way & if there will be a sunny day  
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## TAPPING IN

## Government

- NDRC, MWR, MOHURD, MoA, MIIT, MoST, MoE, AQSIQ & GGJ: [Water Saving Action Plan](#): covers industrial recycling rate, water-efficient irrigation, alternative sources; pricing reform, etc.
- State Council: [Healthy China 2030 Plan](#): >70% of water bodies to be above Grade III by 2020
- NDRC, MEP & MIIT: updated "Cleaner Production Evaluation Indicator Systems" for [Synthetic Leather](#); new standard for [Solar PV Battery & Gold](#)
- NEA: [Notice on Further Controlling Planning and Construction of Coal-fired Power Plants](#): postpone some approved projects

## CWR Reports

- CWR: [Toward Water Risk Valuation \(Chinese Version\)](#)

## Reports

- Climate Bonds Initiative, AGWA, Ceres, SIWI, CDP & WRI: [Water Climate Bond Standard](#)
- Global Commission on the Economy & Climate: [The Sustainable Infrastructure Imperative: Financing for Better Growth and Development](#)
- UBS Q-Series: [Are investors pricing in water risk? A geospatial perspective](#) (clients only)
- UBS Q-Series: [Is China consuming too much water to make electricity?](#) (clients only)
- UNEP: [The Financial System We Need: from Momentum to Transformation](#)
- IPE & NDRC: [Greening the Global Supply Chain - CITI Index 2015 Annual Evaluation Report](#)
- CDP: [Thirsty business: Why water is vital to climate action - 2016 Annual Report of Corporate Water Disclosure](#)

## Interest

- Second national pollution source survey to start in 2017
- China to encourage banks to help fund rural pollution fight
- Amended Water Pollution Prevention & Control Law passed by MEP; sent to NPC
- MEP: 55 firms "severely exceeded" pollution limits; most offenders in Inner Mongolia, Liaoning & Hebei
- Former MEP Deputy Minister, Zhang Lijun: sentenced to 4 years of jail & a RMB 500,000 fine for taking bribes
- 5 environ protection officials in Xi'an facing charges over tampering & falsifying data
- Hebei: to shut down small co's with low treatment capability in 10 most polluting industries in Oct & Nov
- Sichuan: to restrict new hydro projects 2016-2020; instead work to improve electric grid
- China Hongqiao's aluminium smelter at risk for not obtaining environ approvals before building

## Hot on Weibo:

- Concerns over Tsinghua University research showing carcinogenic substances in drinking water from 23 provinces

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