

**The real state of ecology & environment:** China's new ministry MEE just released the 2017 State of Ecology & Environment Report. It reports that "good quality" surface water has continuously improved nationally". However, overall groundwater and Key Lakes & Reservoirs both worsened... perhaps we are now seeing the "real" state of environment. There is no place to hide for polluters. Hear from IPE's Wang on findings from their recent environmental impact analysis on China's beer supply chain. From Tsingtao to Carlsberg, just how green is your beer? One unique initiative to green supply chains is the Better Buying Purchasing Practices Index, which lets suppliers rank buyers' purchasing practices. Their co-founder Dr Dickson launches the index and its first benchmark report. Plus, new solutions are also popping up. Huntsman's Schlaefke explores how their reactive dye can save costs and water. New tech, however, needs policy support. This was echoed at an interdisciplinary forum hosted by HKU's Centre for Water Technology & Policy to find solutions for climate resilient urban water systems, which we review. Enough about quality, what about water availability? WRI's Dr Wang explains trends in managing China's water stress. Despite mixed trends multi-disciplinary actions have started plus the no. of river chiefs have exploded from 3Q17 to 4Q17. Surely this will make a change.



JUNE NEWSLETTER

## EDITORIAL

**The real state of ecology & environment:** China's new ministry MEE just released the 2017 State of Ecology & Environment Report. It cites 2017 as "a crucial year for China in implementing the 13FYP for Ecological & Environmental Protection" and reports that "good quality" surface water has continuously improved nationally". However, overall groundwater and Key Lakes & Reservoirs both worsened... perhaps similar to the revision of over-inflated GDP figures, we are now seeing the "real" state of environment.

There is no place to hide for polluters. Hear from IPE's Na Wang on findings from their recent environmental impact analysis on China's beer supply chain. From Tsingtao to Carlsberg, just how green is your beer? Maybe not as "golden" as you think.

One unique initiative to green supply chains is the Better Buying Purchasing Practices Index, which lets suppliers rank buyers' purchasing practices. Their co-founder Dr Marsha Dickson launches the index and its first benchmark report. Plus, new solutions are also popping up. Huntsman's Holger Schlaefke explores how their reactive dye revolution can save costs and water plus cut carbon emissions without additional CAPEX.

New tech, however, needs policy support. This was echoed by experts at an interdisciplinary forum hosted by the Centre for Water Technology & Policy of the University of Hong Kong to find tech and policy solutions for climate resilient urban water systems. Check out our three key takeaways.

Enough about quality, what about water availability? WRI's Dr Jiao Wang explains trends in managing China's water stress. While there is good and bad news, it seems that the Three Red Line regulations and local policies are having overall positive impacts.

Despite mixed trends in water pollution and stress, a more accurate picture of China's ecology and environment is forming. Multi-disciplinary actions have started plus river chiefs have exploded from 200,000 in 3Q17 to 900,000 in 4Q17. Surely this will make a change.



**2017 State Of Ecology & Environment Report Review**  
Prioritising rivers appears to have paid off but overall groundwater and Key Lakes & Reservoirs both worsened. Are we now seeing the "real" state of environment?  
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**How Green Is Your Beer?**  
From Tsingtao to Carlsberg, just how green is your favourite beer? Hear from IPE's Wang on findings from their recent environmental impact analysis on China's beer supply chain  
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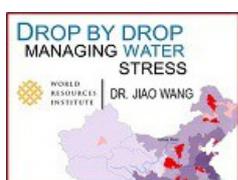
**Introducing The Better Buying Index**  
Suppliers can now rank buyers' purchasing practices with the unique Better Buying Purchasing Practices Index. Explore the index and its first benchmark report with their co-founder Dr Dickson  
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**Reactive Dye Revolution**  
Innovative tech is popping up as Huntsman's Schlaefke expands on how their new reactive dye saves costs and water plus cut carbon emissions without additional CAPEX  
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**New Tech & Policy for Climate Resilience: 3 Takeaways**  
Experts say new tech needs policy support at an interdisciplinary forum for climate resilient urban water systems, hosted by HKU's Centre for Water Technology & Policy. Check out our three key takeaways  
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**Managing China's Water Stress Drop by Drop**  
What are the trends in managing China's water stress? WRI's Dr Wang finds that while there is good and bad news, the Three Red Line regulations and local policies seem to have overall positive impacts  
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## TAPPING IN

### CWR Related Events:

- 26-29 Jun: [Qingdao Intl Water Conference](#): CWR to speak on rural SDG policy panel
- 8-12 Jul: [Singapore International Water Wk](#)

### Government

- NDRC, MWR, NEA: [Notice on Conducting Investigation on Small Hydropower Stations in the Yangtze River Economic Belt](#): reduce ecological damage of small hydro stations
- MEE: [Notice on Resolutely Curbing the Illegal Transfer & Dumping of Solid Wastes & Further Strengthening the Supervision of the Entire Process of Hazardous Wastes](#)
- NEA: [Monitoring and Evaluation of National Renewable Energy Development for 2017](#)
- PBoC: [Notice on Strengthening the Supervision and Management of Green Financial Bond Duration](#): ensure capital is used for green development; improve disclosure
- NEA: [Notice on Modifying 6 Regulatory Documents in the Hydropower Field](#)

### Reports

- Rodell et al: [Emerging Trends in Global Freshwater Availability](#): NASA warns water shortages to be key environ challenge of the century
- EDF, NDRC: [2017 The Progress of China's Carbon Market](#)
- UNEP: [Single-Use Plastics: A Roadmap for Sustainability](#)

### Interest

- Xi urges faster building of 'ecological civilisation'
- China to check environ protection at drinking water sources
- China to tackle 'uncontrolled' small hydro on Yangtze
- MEE: 150 teams inspect illegal solid waste discharge in YREB
- MEE criticises 3 regions for environ violations
- MEE: 73 cities fail to reach water quality targets 1Q2018
- 233,000 environ pollution cases handled in 2017; 69% rise y.o.y
- Poorer regions face gap in enforcing unified water quality standards
- Eight regions vow to step up polln crackdown after central govt probes
- World Bank to help 3 provinces improve water resources management
- Study warns 'carbon bubble' could spark global financial crisis

### Hot on Weibo:

- Three Gorges Dam now an "ecological shield" for the Yangtze

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