

Water first, then energy: China's energy demands are great and growing, but water comes first. As Li Junfeng, Director General of China's National Center of Climate Change Strategy Research says, unlike oil, China cannot import water to develop the economy and so water will determine future energy mix. Read our in-depth interview with him on why water security takes priority over energy security. Also check out our key takeaways on 'Water & Energy' at the World Water Week in Stockholm last month. With governments & companies grappling to balance energy development with limited water, can countries unlock their energy reserves & manage their water resources? WRI's Adam Maddocks & Paul Reig share three shale tales from China, Argentina & the UK whilst Tommy Patterson from Kreab Gavin Anderson says proceed with caution regarding desalination despite rapid growth. It's apparent we need innovation across all sectors in order to meet growing demands. An example of this is the new Water Benefit Standard - Brendan Smith from the the Gold Standard Foundation explains how this finance-based framework helps drive financing into water projects. Another innovation is the KAF bio-sand filter - Patrick Cox & Fan Chen of Geo-Life Inc. walks us through how this filters out arsenic contamination in water.



OCTOBER NEWSLETTER

EDITORIAL 📌

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**Water Over Energy Security**

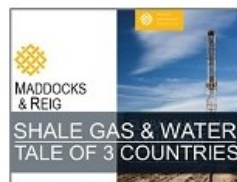
In-depth interview with Li Junfeng, Director General of China's National Center of Climate Change Strategy Research on the future of coal, gas, nuclear, hydro & renewables and why water security comes first

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**2014 World Water Week Takeaways**

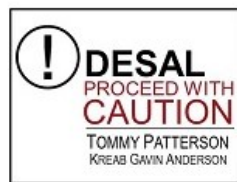
Check out our key takeaways on 'Water & Energy' from World Water Week. What are the challenges ahead for Asia and the rest of the world? Dawn McGregor expands

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**Shale Gas & Water: Tale of 3 Countries**

Governments & companies are grappling with balancing shale development & limited water. WRI's Maddocks & Reig share shale tales from China, Argentina & the UK - can they unlock their reserves?

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**Desalination: Proceed With Caution**

Desal capacity has risen 30x over the past decade and will provide 15% of new industrial water supply in arid coastal areas by 2015, but Kreab Gavin Anderson's Tommy Patterson says proceed with caution

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**Strong Governance: Better Water Funding**

Water lacks good governance. Gold Standard Foundation's Brendan Smith on how the 'Water Benefit Standard' can help drive financing into water projects

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**Arsenic Be Gone!**

Arsenic contamination affects China's waters & soil, affecting health. Cox & Chen explains how the KAF bio-sand filter can remove arsenic from any source, be it natural or man-made

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TAPPING IN 🌧️

Government

- State Council: [Climate Change National Plan \(2014-2020\)](#): non-fossil fuel mix at 15% in 2020
- State Council: [Report of Utilization of Resources 2014](#): ~RMB1.3trn resource recycling & reuse industry
- MoF & State Admin of Taxation: [Coal Resource Tax](#): revised to 2-10% on sales from Dec 2014
- MEP: [Main Pollution Emission Indicators 1H2014](#): COD & NH4 reduction on track to meet 12FYP targets
- MEP: [Ecological Environmental Protection Plan for Lakes \(2013-2020\)](#)
- NDRC, MoF, MEP et al: [Industrialization of Major Enviro Equipment & Product Plan](#)
- NDRC, MEP & NEA: [Action Plan to Upgrade & Retrofit for Coal-fired Energy Savings & Emissions Reduction \(2014-2020\)](#): phase out >10GW of old coal plants

Reports:

- China Greentech Initiative: [China Greentech 2014](#)
- Global Commission on the Economy & Climate: [Better Growth, Better Climate: The New Climate Economy](#)
- IWMI: [Global Water Demand Projections: Past, Present & Future](#)
- UNEP, DHI, IUCN & TNC: [Green Infrastructure Guide for Water Management](#)
- WRI: [Global Shale Gas Development](#)

Events

- 28-29 Oct, 2014: [IFC Climate Business Forum 2014](#) - CWR to moderate a panel

Interest

- Premier Li: Water supplies investment no longer needs govt ok
- NEA: 2-10% of provincial electricity use from non-hydro renewables by 2015
- MEP: 19,289 enviro violations in 1H2014; total fine RMB743.25mn
- Construction of largest hydropower station on Yalong River begins
- Sinopec pushes ahead with USD10bn coal-to-gas project
- Beijing: Citizens dig illegal wells for clean water
- Hebei: Groundwater over-extraction means irrigated wheat hectares cut by ~50,000ha or 2%
- Ningxia: Textile dyeing factory shutdown for dumping toxic waste water in Tengger Desert
- World Bank approves USD500mn loan to boost water & enviro services in Qinghai, Shaanxi & Zhejiang
- Baidu launches "smart chopsticks" that tell you if your food is safe to eat

Hot on Weibo:

- Pollution from coal & cars adds to smog in North China

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If you have questions, please send us an e-mail at info@chinawaternrisk.org.

Address
China Water Risk
9 Queen's Road Central
Suite 2408
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