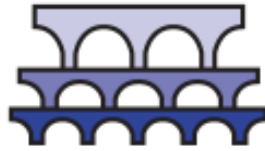


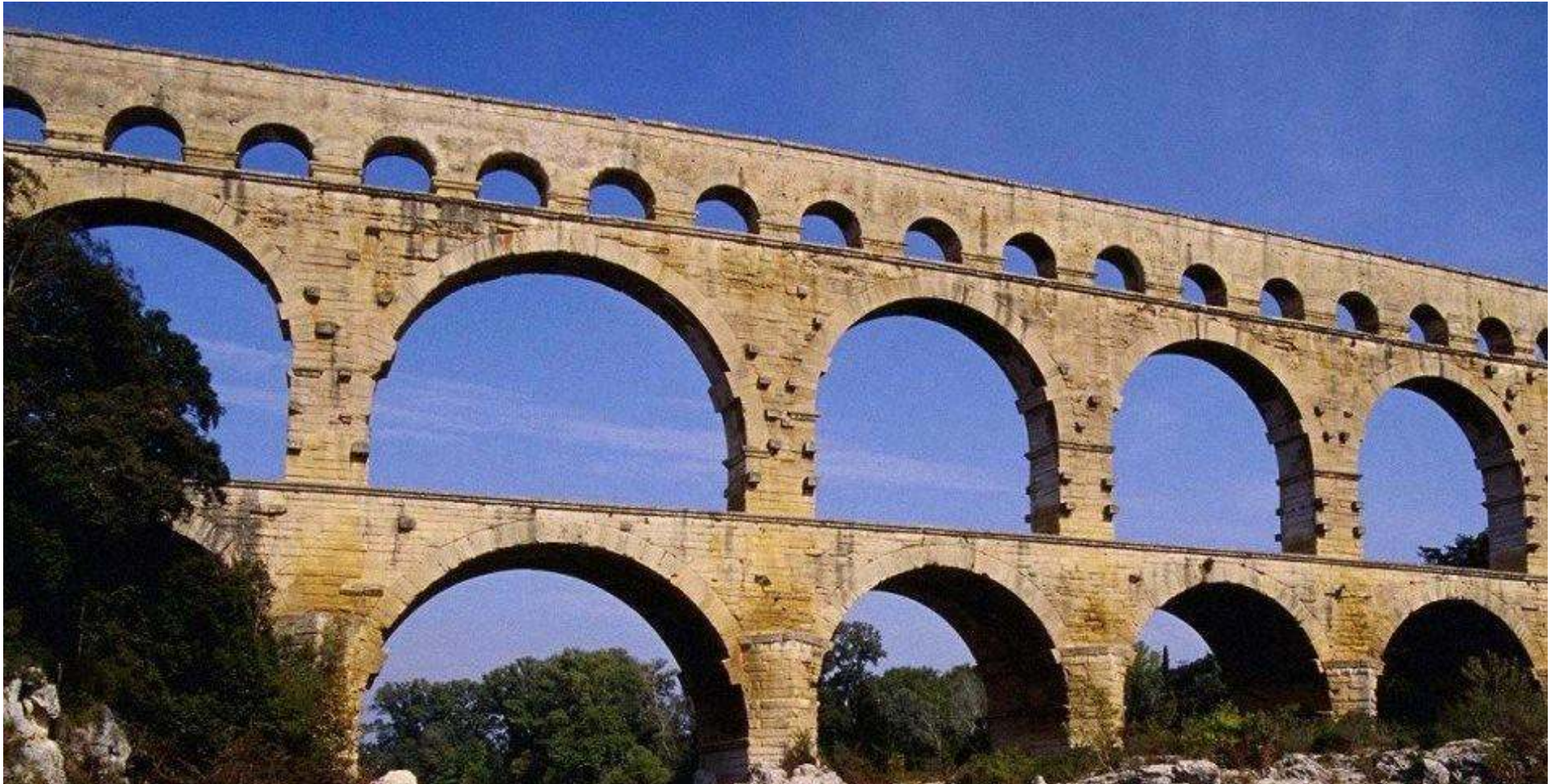


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AQUEDUCT

Measuring and Mapping Water Risk



EIRiS Investor Conference, “A Drought in your Portfolio”

June 7, 2011

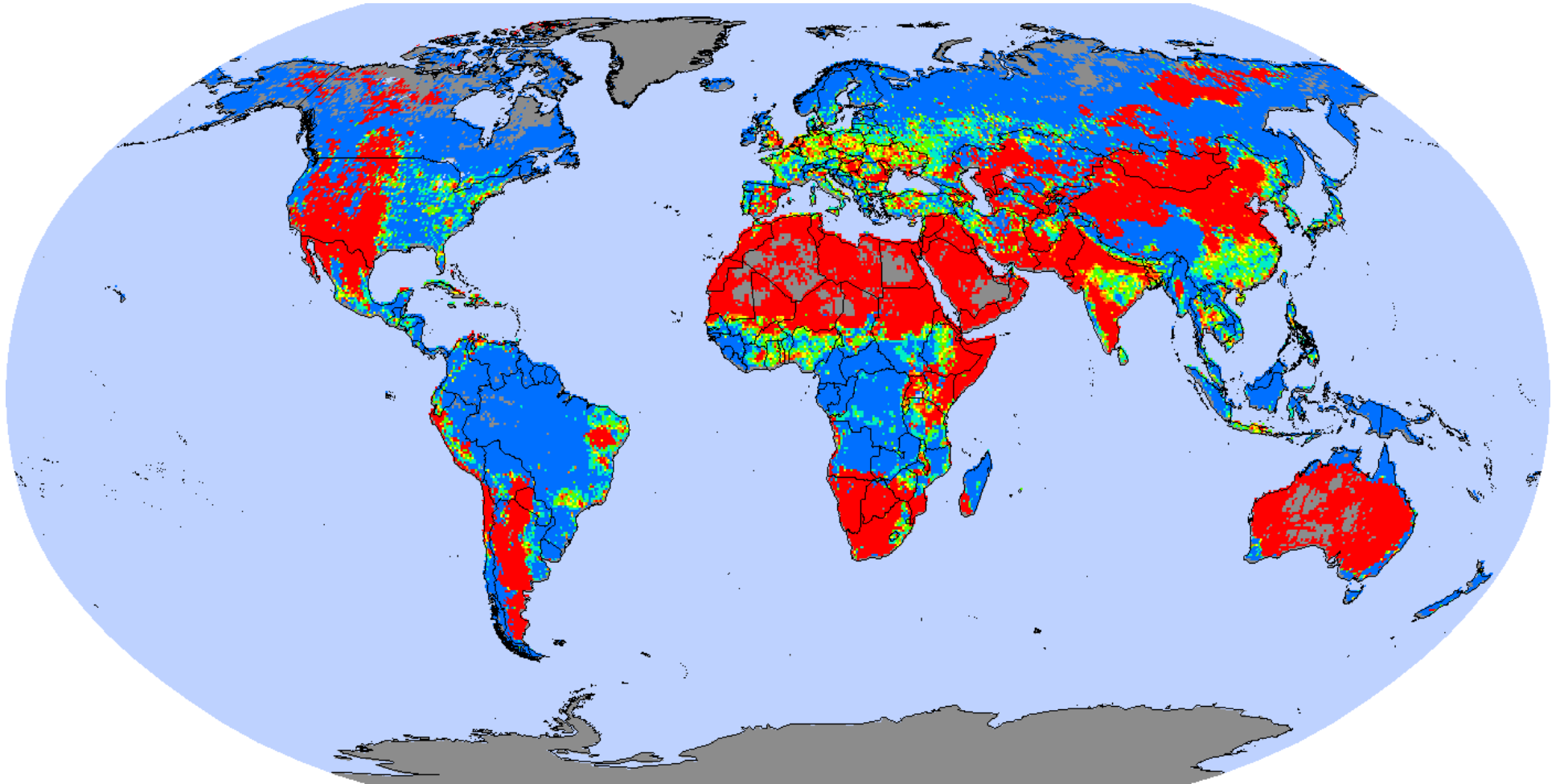
Kirsty Jenkinson, Director Markets & Enterprise Program



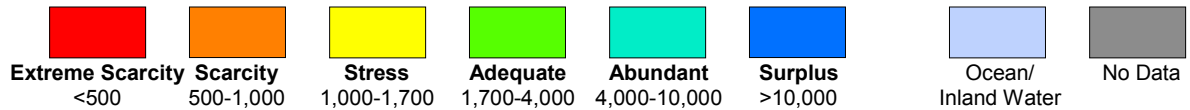
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Worsening scarcity 2025



m³/person/year



Data and maps by

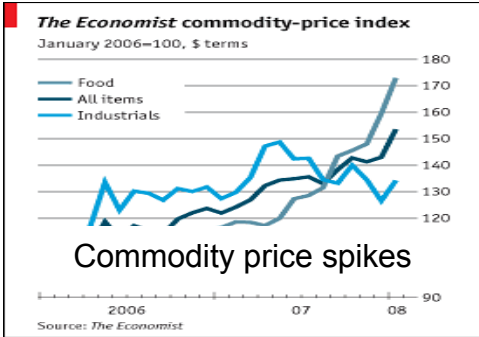




Some investors catching on



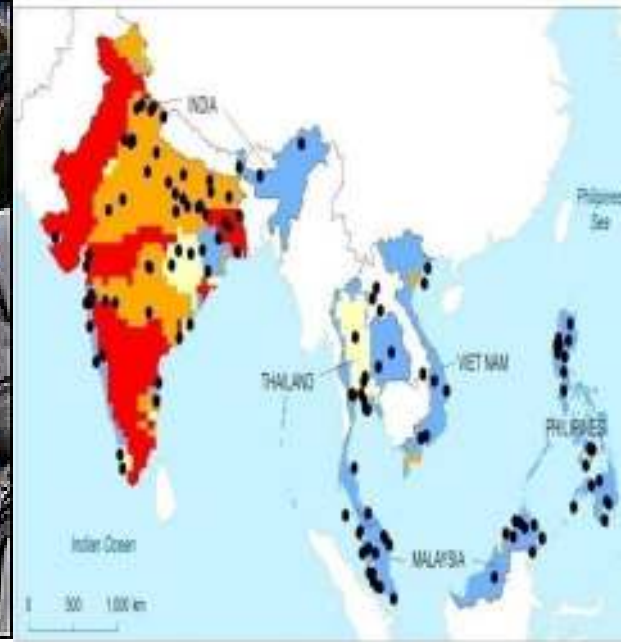
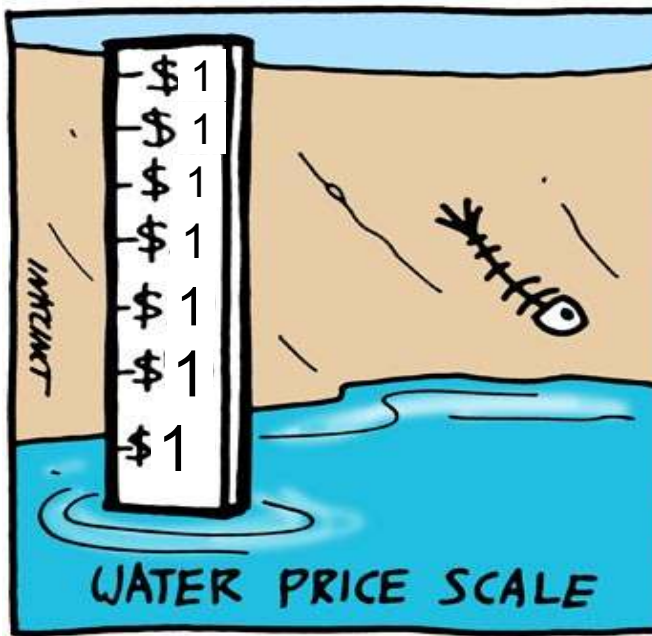
Increasing climate change and resource scarcities



Point of impact: Type of risk:	Supply chain	Production process	Product use
Physical	 <p>The Economist commodity-price index January 2006=100, \$ terms</p> <p>Commodity price spikes</p> <p>Source: <i>The Economist</i></p>		
Regulatory (+ litigation)		 <p>Water quality standards constraining power generation</p>	
Reputation		 <p>Competition with social uses</p>	



Where do the problems lie?



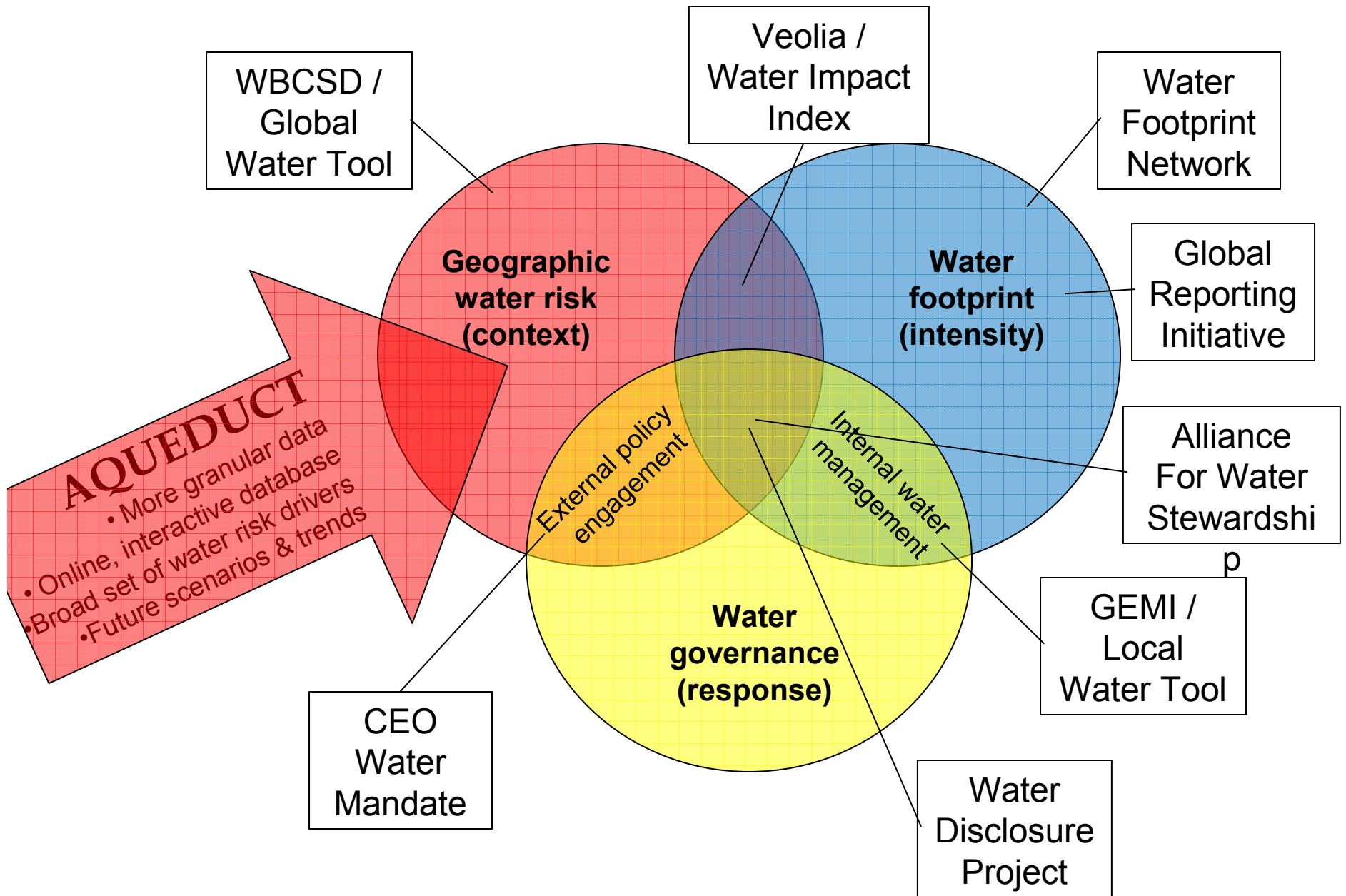
Water prices too low to signal scarcity & encourage investment, conservation

Water resources poorly governed

Better information required to act strategically on water risks



Growing number of initiatives





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WRI's AQUEDUCT



Lead Sponsors



Sector Sponsors

Bloomberg

TALISMAN
ENERGY



Supporters

- Dutch Government
- United Technologies (UTC)

Data by 



Summary of AQUEDUCT

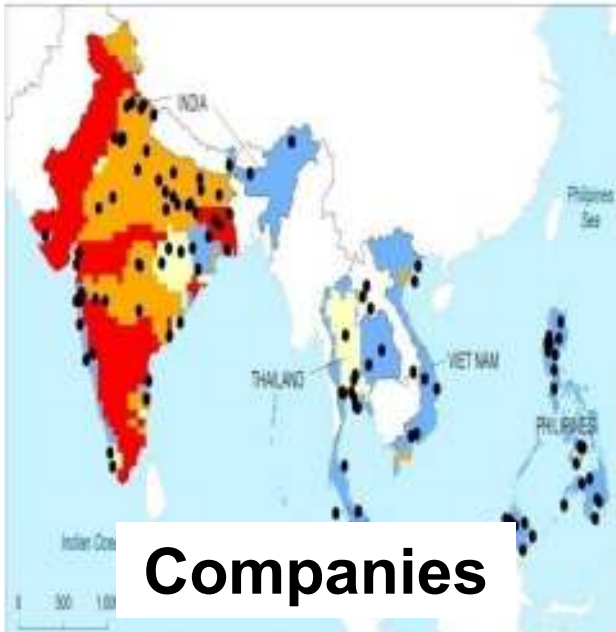
An information **platform** for public-private action for more efficient and sustainable water management

A **standard** to measure, map and compare local water risk and opportunity

The world's best **database** with localized data on water risk and opportunity



Successful outcomes



<HELP> for explanation.

1) Export 2) Alerts

Water Scarcity - United States - Southeast - Utilities

Parent Company	% of Regional Capacity by Risk Level				% of Total Capacity
	Very High	High	Medium	Low	
1) Georgia Power Co	68.98	31.42	0	0	43.61
2) Alabama Power	50.26	23.08	26.66	0	46.74
3) Mississippi Power	0	100	0	0	23.45
4) Tennessee Valley	0	42.31	25.76	31.92	64.13
5) Cinergy Corp	0	20.11	79.89	0	19.33
6) Florida Power Co	0	0	100	0	84.68
7) Florida Power &	0	0	62.71	37.29	81.31
8) Progress Energy	0	0	0	100	1.40
9) JEA	0	0	0	100	13.11
10) Virginia E	0	0	0	100	72.29

Investors



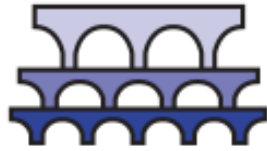
- Optimize strategy & distribution of plants, suppliers & product markets
- Target investments; engagement efforts & solutions

- Differentiate between companies based on potential exposure to water risk & opportunity

- More “hydro-sensible” urban & land use planning
- Better target infrastructure investment & water policies



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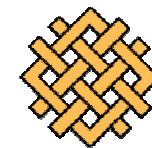


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Measuring and Mapping Water Risk



www.wri.org/aqueduct or
kjenkinson@wri.org



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