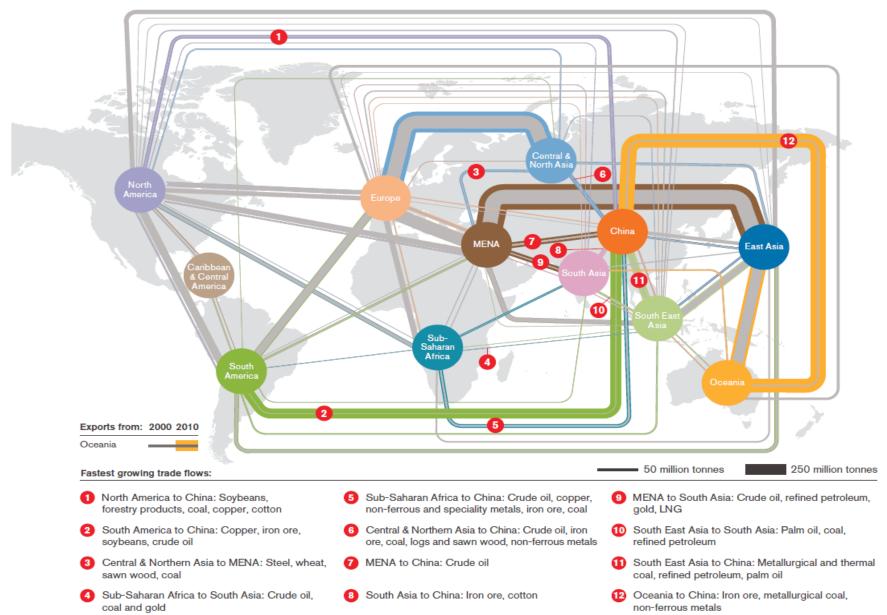
The next generation of data for policy-making on resources and the environment

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UNSD/INEGI Conference on the Measurement of International Trade and Economic Globalization, September 29 – October 1, 2014, Aguascalientes, Mexico.



New resource interdependencies are emerging – with <u>shifting faultlines for competition and trade frictions</u>.



Deepening resource interdependencies and the reconfiguration of the international political economy of resources remain poorly understood. The implications of these rapid and complex shifts need to be systematically evaluated and translated into concrete policy recommendations for governments and businesses.

Detailed, reliable, and easily accessible data on global resource trade can, for example, help to better analyse

- How shifting patterns of consumption, production and trade create new interdependencies and *supply security concerns* across global supply chains.
- ➢ How mounting *resource and environmental pressures interact* across different parts of the world and different types of resources.
- How new technologies and policy interventions shape global resource trade and interdependencies
- > Help to better track *illegal resource production and trade*

▶

What policy makers want What policy makers get

They want data that is:

- Easily accessible
- Comprehensive coverage
- Accurate and reliable

Forward looking

• Up-to-date

- They get data that often is:
- difficult to find and interpret
- piecemeal with large gaps
- estimated with uncertain reliability
- 2010
- Backward looking

In areas which are the most salient for policy makers, robust data is often the hardest to get by... e.g. GVCs, landgrabbing, cartels, and investment

LAND MATRIX



The absence of reliable, shared data is often a source of tensions and impedes effective policy action

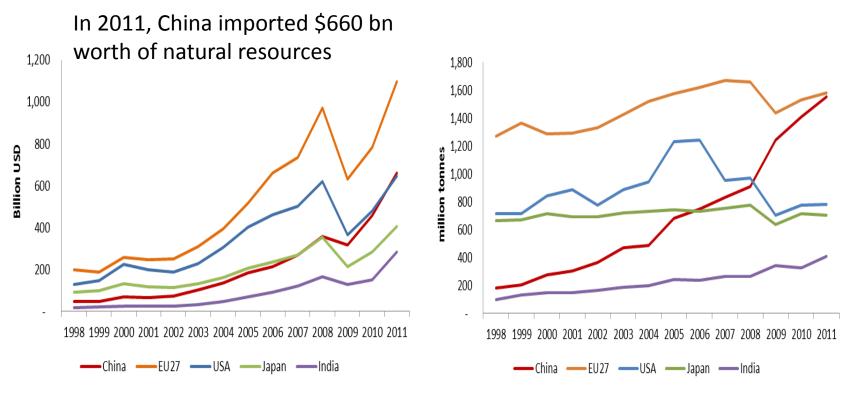
- In the absence of shared data ambiguity rules, making it difficult to:
 - Come to a shared perspective on the scope and scale of the problem
 - Negotiate the sharing of burdens and benefits
 - Mobilize constituencies for policy action
 - Monitor and evaluate policy effectiveness



These challenges notwithstanding, the importance of data for policy-making is only growing

- Policy-advice is becoming increasingly data-driven
- Vice-versa, data collection efforts today must demonstrate policy relevance.
- However the links between 'policy people' and 'data people' are still in many cases tenuous
- Even where it is available, data can play a limited role in policy debates.
- It is up to the statistics community to become more relevant, accessible and engaged with policy-makers and the wider public (media, NGOs, businesses, etc)!

Clear messages are key to communicating complex data

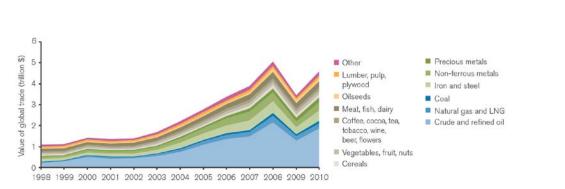


China's share of global resource imports 2000-2011 (by value)

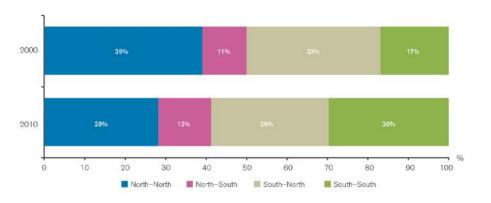
China's share of global resource imports 2000-2011 (by weight)

- Premier Li Keqiang (18/06/2014): "According to our estimates, in the next five years, we will import more than \$ 10 trillion worth of goods"
- CH analysis indicates up to half of this will be natural resources

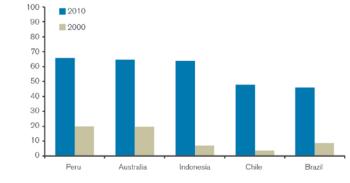
Clear and engaging visualisations are key to engage broader audiences





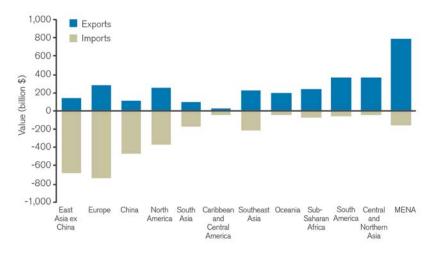


Growing south-south trade



Metal exports to China by selected producers

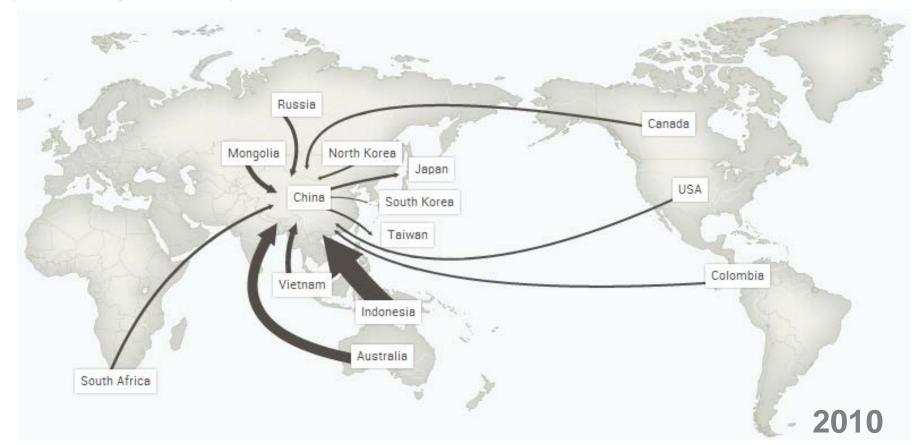
%



Fossil fuel trade balance by region

A major challenge is how to communicate complex policy narratives

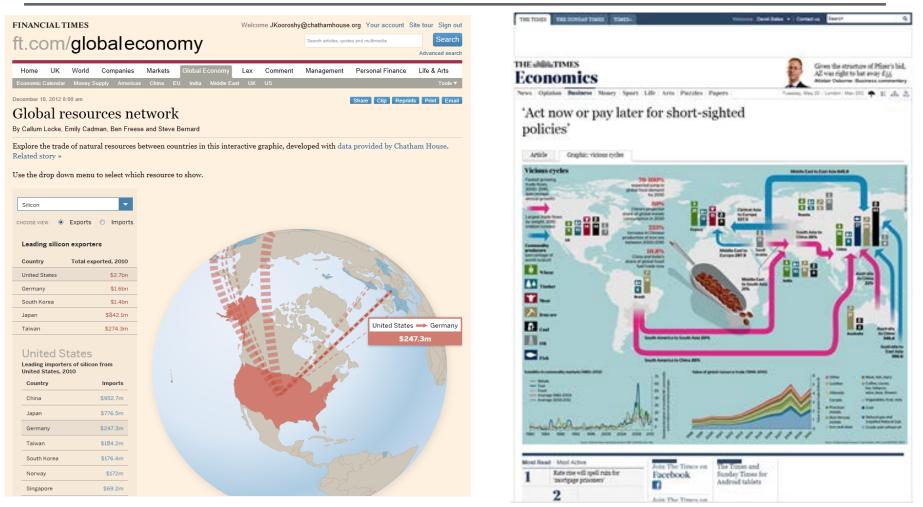
We worked with a design agency to built an innovative interactive that takes you through the story of the report and allows to explore details.



Top Coal trade flows to/from China <u>www.resourcesfutures.org</u> and <u>http://chinafocus.resourcesfutures.org</u>

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Collaboration is vital for the next phase...

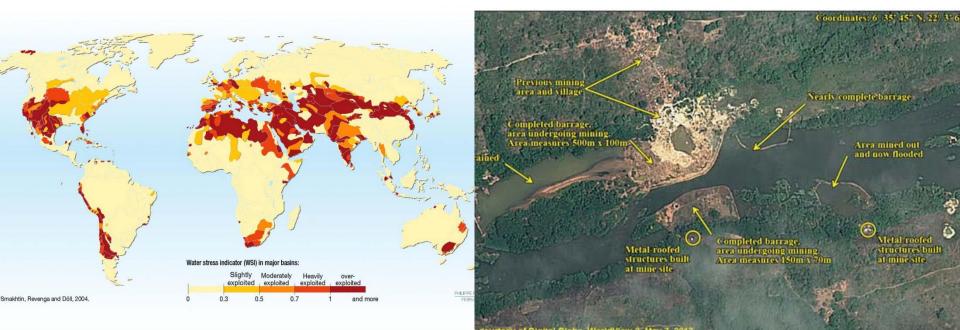


Media organisations become increasingly sophisticated in their use of data

Integrating different types of data sources is another major challenge

This includes challenges to integrating different types of data sources, e.g.:

- geospatial and remote sensing data with conventional country statisticts.
- Community and user led reporting
- Real time monitoring and evaluation



At the same time however, demands for data transparency, accuracy and reliability are growing

- Simply presenting results is no longer acceptable: Raw data and detailed information about sources and underlying assumptions is today expected to be accessible
- Increasingly, the way to attack policy reports is to go after the data...





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