

Mainstreaming Adaptation into Development Learning from Success and Failure

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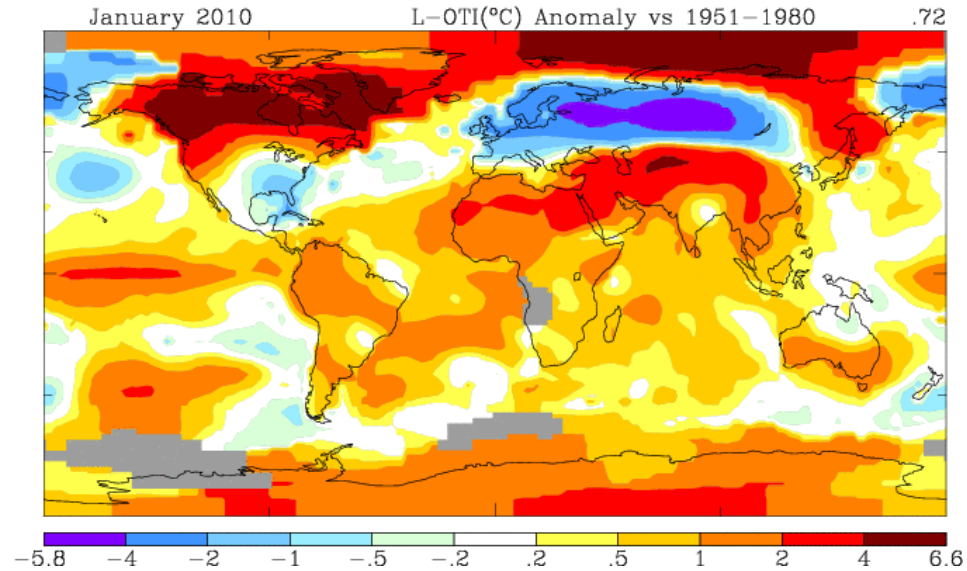
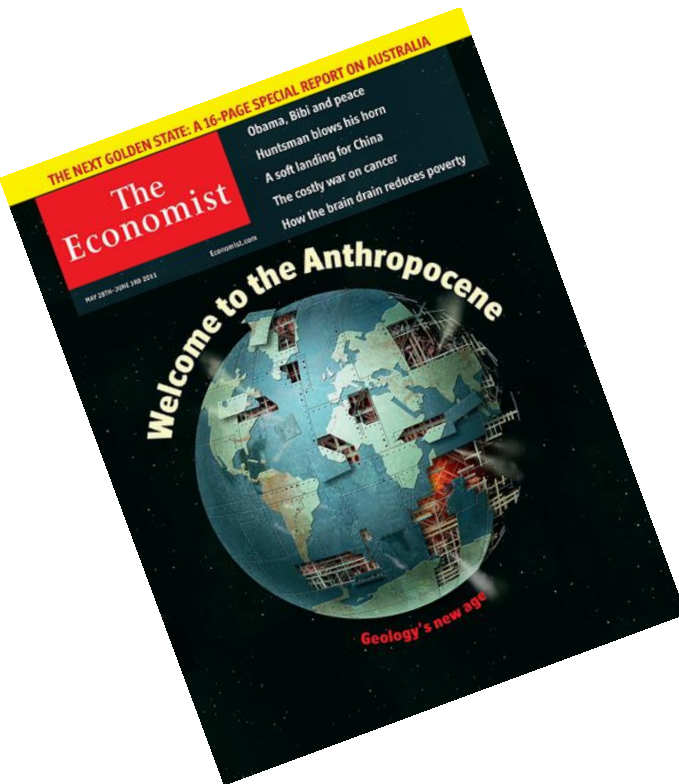
Bridging science and policy since 1989
www.sei-international.org

Time to be realists!

The pessimist complains about the wind;
The optimist expects it to change;
And the realist adjusts the sails.

William Arthur Ward

Humans in the driving seat....



“The past 20 years ...substantial progress....
Most people...healthier, live longer, are more
educated... raising income,...expanding
people’s power to select leaders, influence
public decisions and share knowledge.”

*UNDP 2010. Human Development Report 2010. Summary.
20th Anniversary Edition. The Real Wealth of Nations:
Pathways to Human Development. (UNDP)*

Five bottle necks in adaptation research

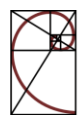
- Adaptation research ignores stakeholder's other priorities
- Decision realities of stakeholders
- Uncertainty – wait to act
- Mismatch: Scale of climate info and users
- Mismatch: Manage current variability vs. mid-to-long term changes

Adapted from R. Klein, SEI

Three challenges: science-to-policy

- **Too much simplicity – CC in broader context**
- Too much complexity – may prevent action
- Underestimating supply/demand chain related to data, information, knowledge, services and capacity

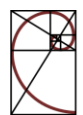
The Anthropocene: Are Humans Now Overwhelming the Great Forces of Nature?



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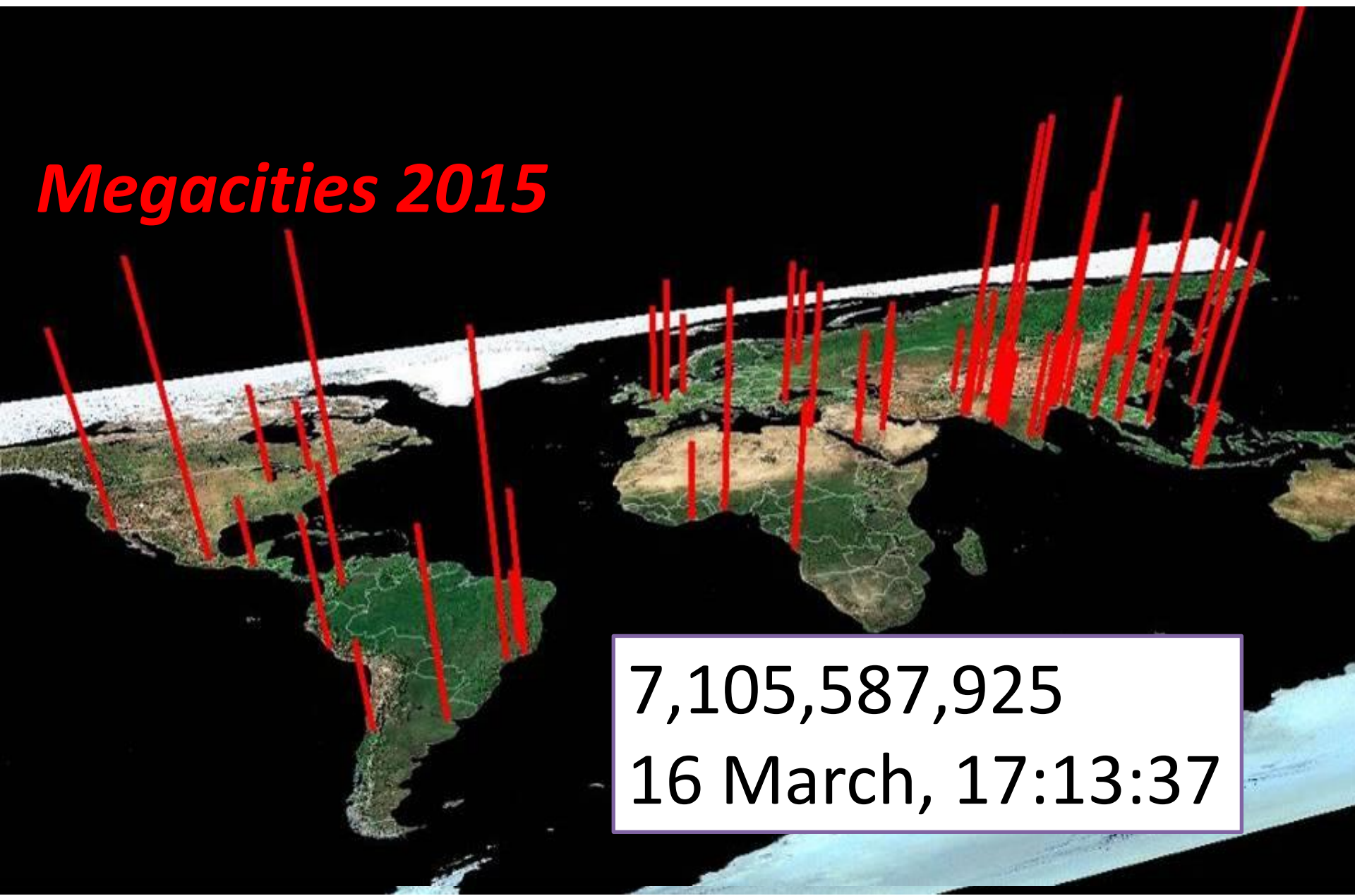
Transforming landscapes



Large scale resources development

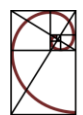


Megacities 2015



7,105,587,925

16 March, 17:13:37

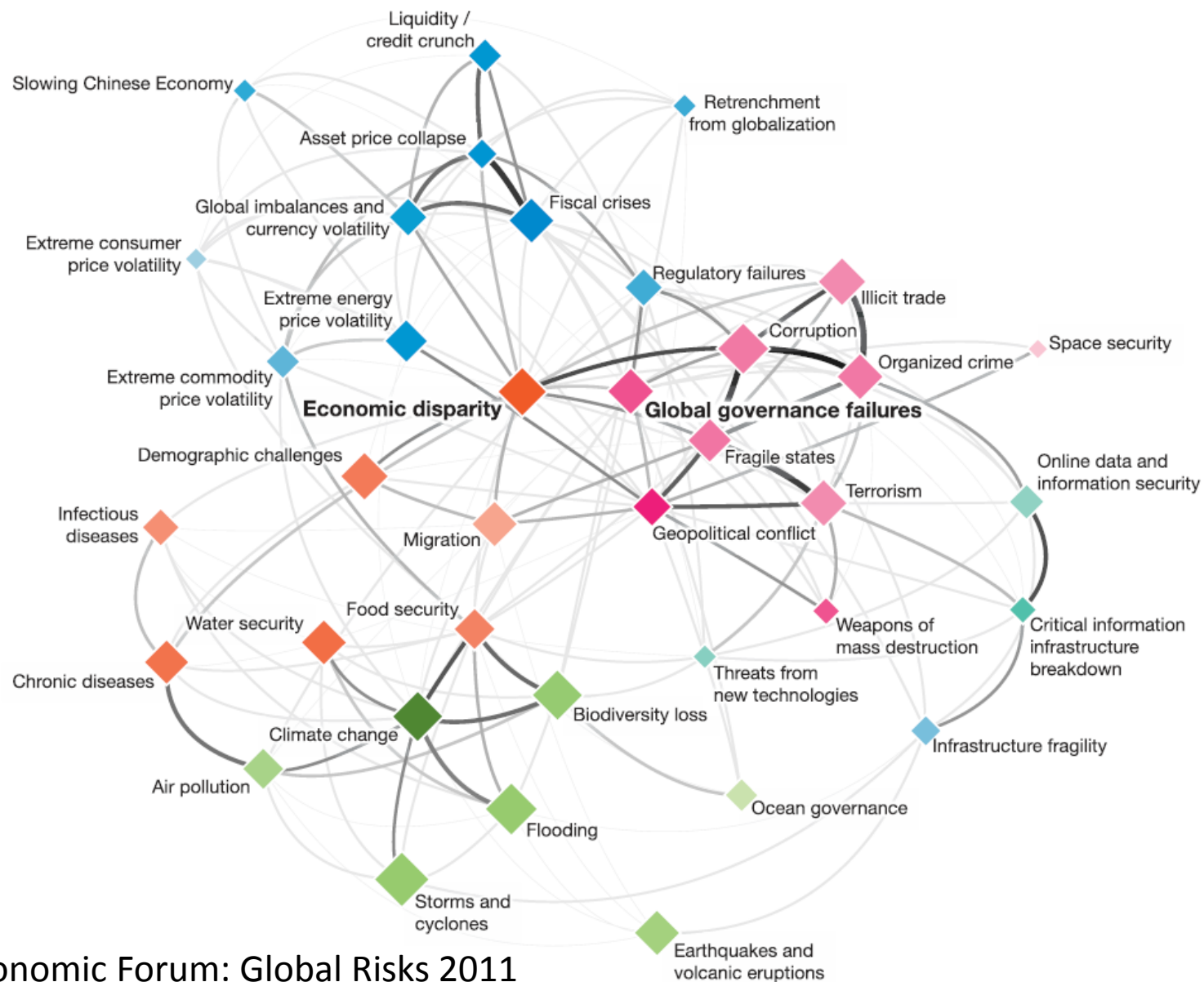


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Source:
U.N. Population Division

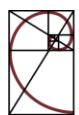
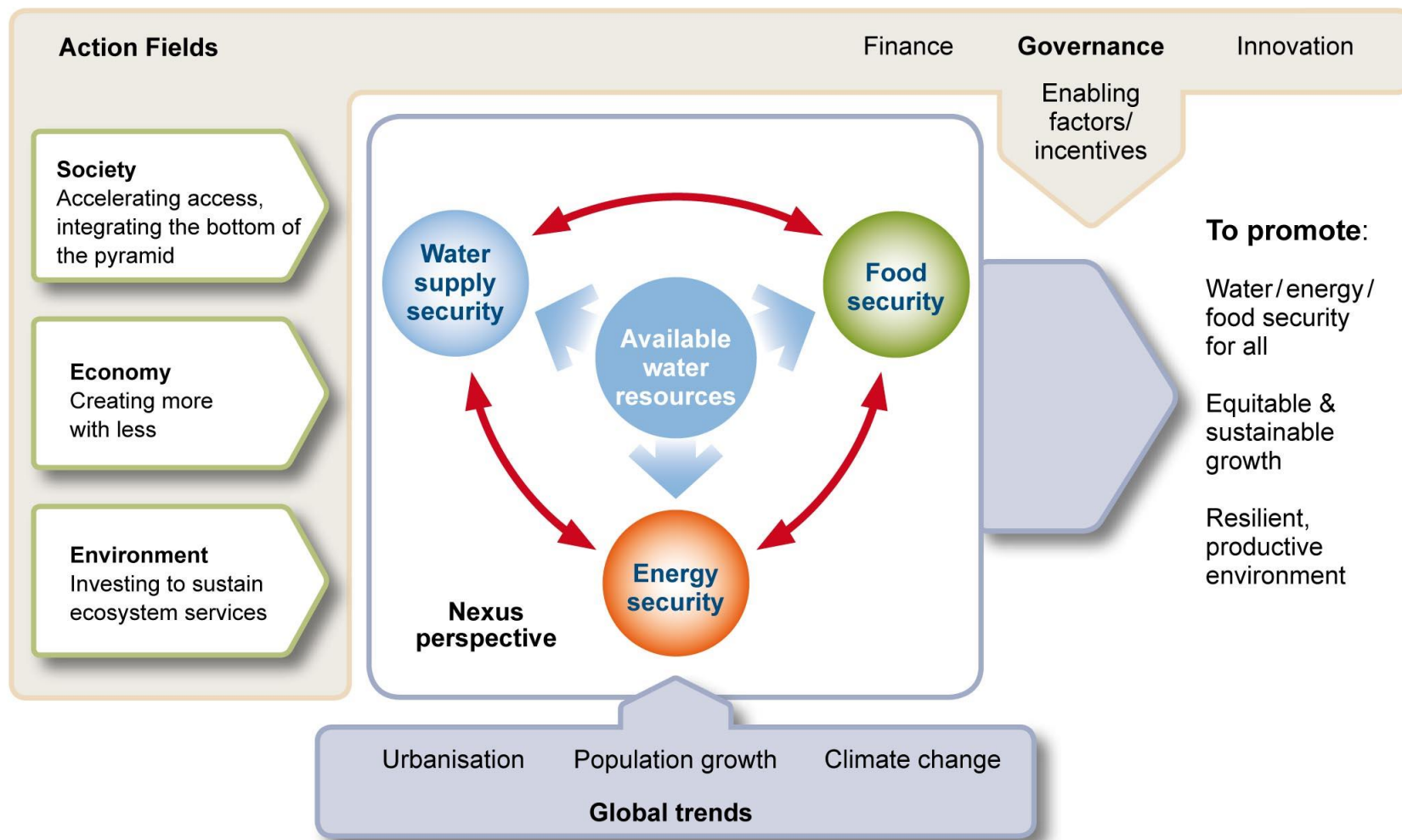
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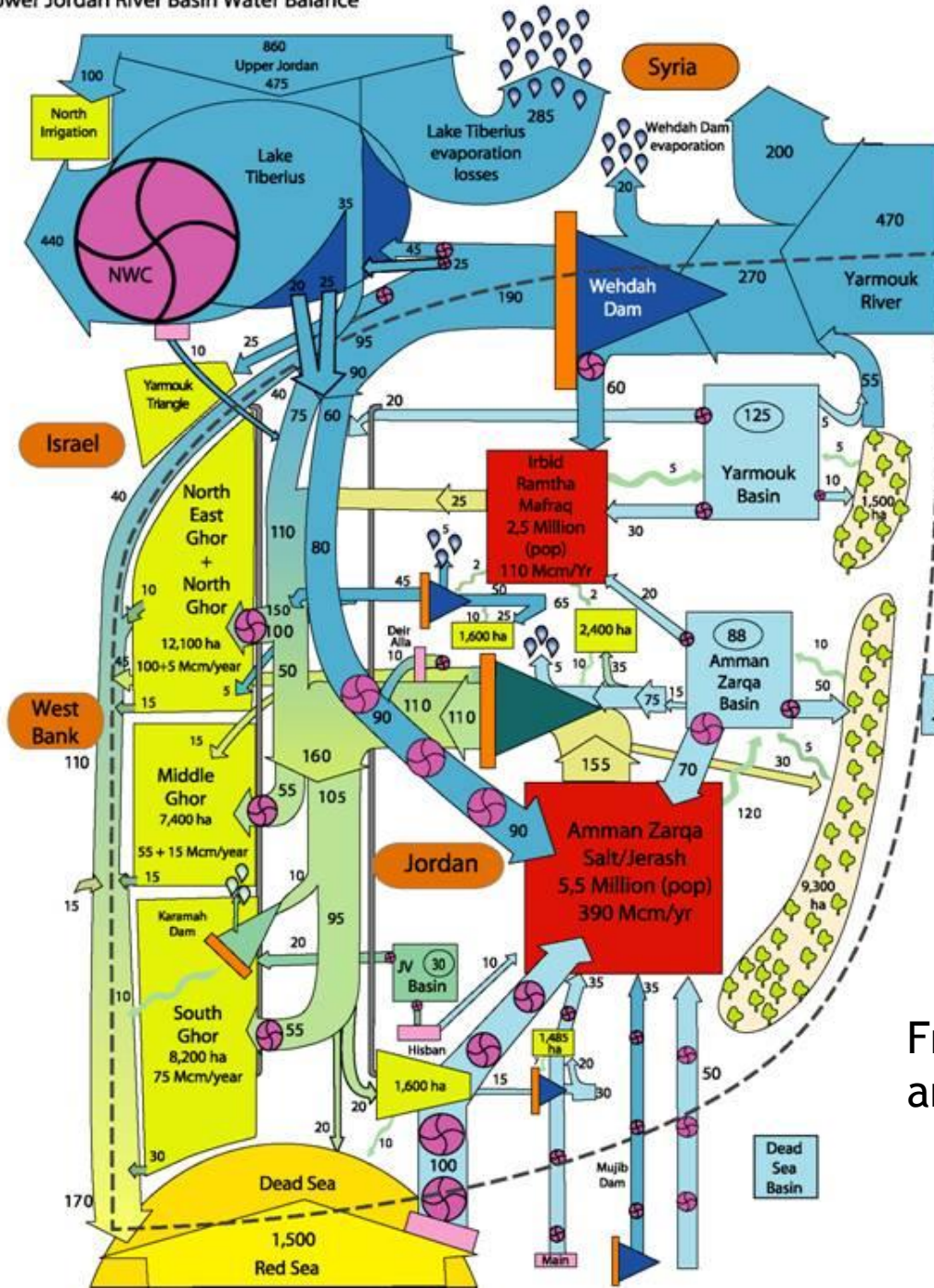
World Economic Forum: Global Risks 2011

NEXUS and Sector Integration



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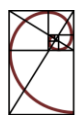
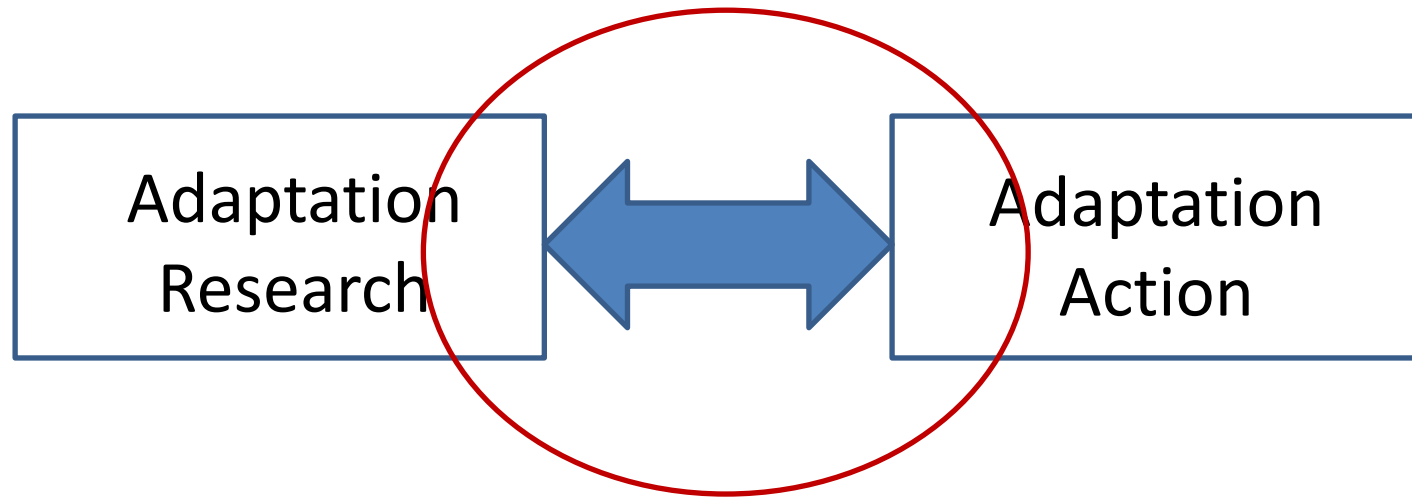
Jordan River 2025

From Venot, Courcier and Molle (CA RR 9)

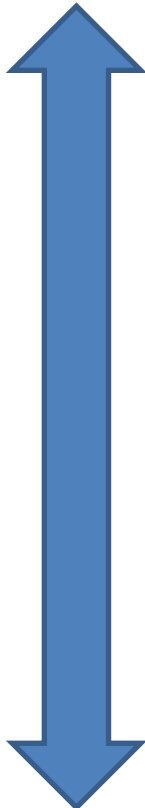

Three challenges: science-to-policy

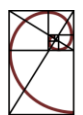
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- **Underestimating supply/demand chain related to data, information, knowledge, services and capacity**

From Research to Policy

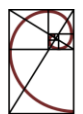


Supply/demand chain data, information, knowledge

- 
- 
1. Science: Monitoring, data, analysis, information
→ relevant "Service" to users
 2. Capacity and skills, provide information – dissemination
-
3. Capacity to understand/identify the problem – what information/service is needed
 4. Capacity/skill acquire info/service
 5. Capacity to translate into action
 6. Capacity/resources to implement, learn, adapt



Prediction is very difficult,
especially about the future.
Niels Bohr (1885 - 1962)



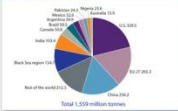


World Map Grains & Oilseeds

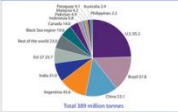
A leading food and agribusiness bank and one of the world's financial institutions, Rabobank is backed by a triple-A credit rating. Offices in 37 countries we can give you a competitive whenever you are. The Rabobank group also includes special subsidiaries in insurance, leasing, vendor finance, trade finance, management, investment funds, private banking & trust and capital. As a cooperative institution, the primary aim of Rabobank is to work with and for customers on mutually beneficial financial solutions.

www.rabobank.com/far
Rabobank Group, Research and Advisory
Rabobank.com

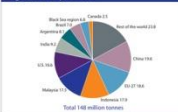
Largest grain producers



Largest oilseed producers



Largest oil & fat producers



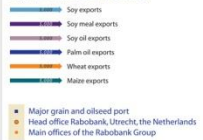
Key

The trade flows focus on the grains and oilseeds leading in the complex, ie wheat, maize, soy, rapeseed and palm oil. Although related to the complex, covered products and today are not included to avoid an overload of data.

The data in this map refer to the 2009/10 crop year. The minimum requirement for drawing a trade line is 500,000 tonnes. Trade lines on the map do not necessarily follow the actual trade routes.

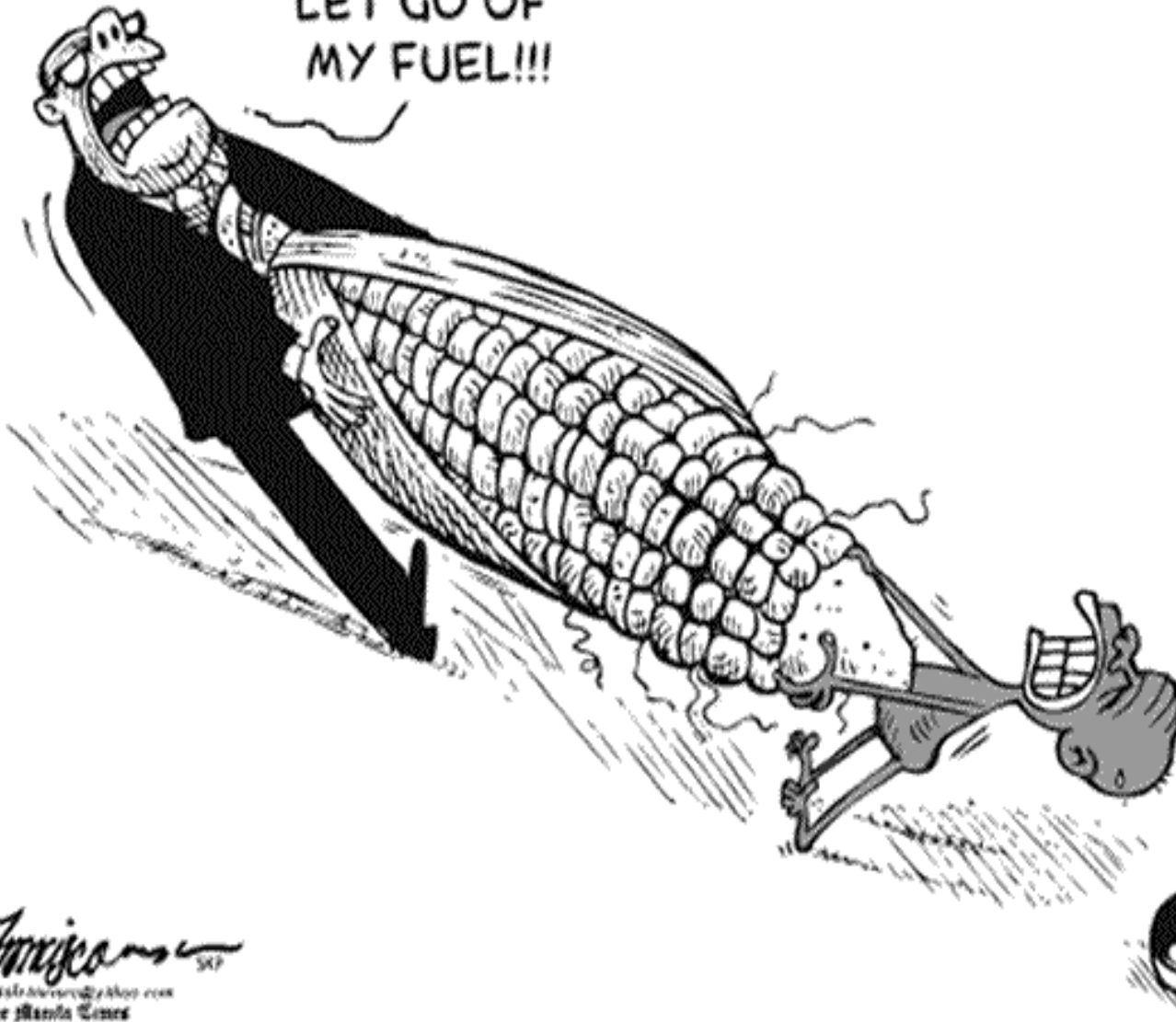
Country	Production (1,000 tonnes)	Exports (1,000 tonnes)	Imports (1,000 tonnes)
United States	3,100	2,000	1,100
China	1,800	1,000	800
India	1,400	1,100	300

Major trade flows (data in 1,000 tonnes)



Financier
The Financial Times
APRIL 2010

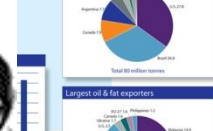
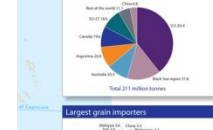
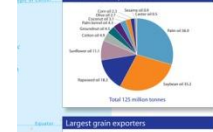
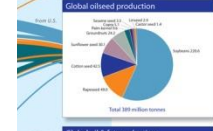
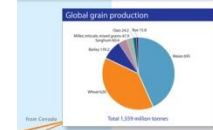
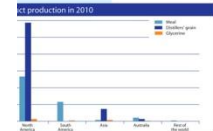
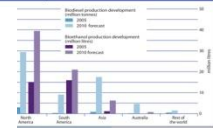
LET GO OF
MY FUEL!!!



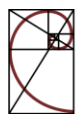
Olive oil production and exports

Black Sea region wheat production and exports

Feedstuffs and livestock production



Social Media Explosion – for all?



Where are we heading...



**GREEN ECONOMY
= GREEN JOBS**


building solidarity through sustainability

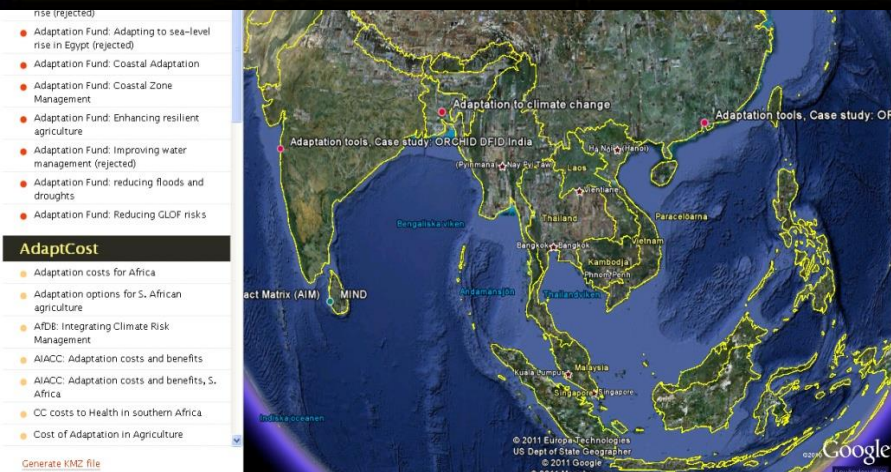
wa.greens.org.au



**Inclusive
Green
Growth**

The Pathway to Sustainable Development

 THE WORLD BANK



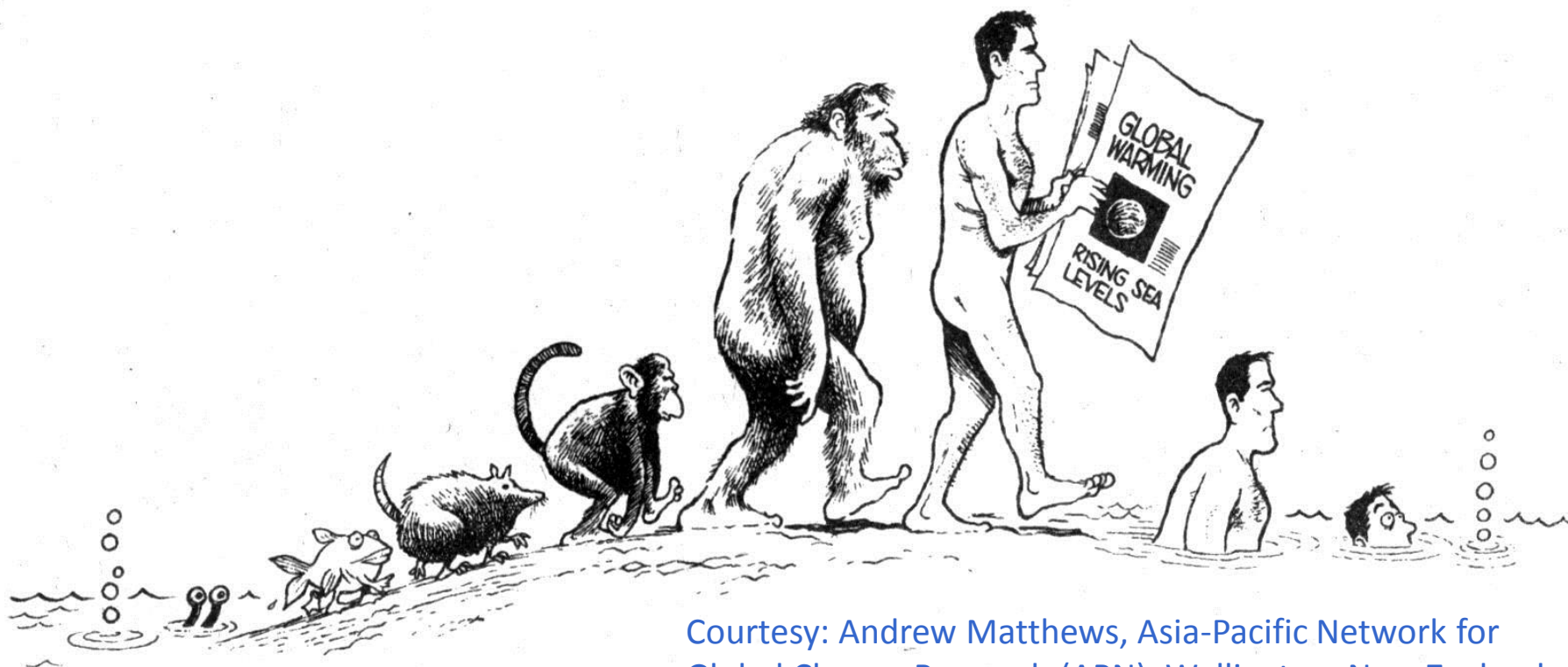
weADAPT

weADAPT.org is an online directory of programs focusing on climate adaptation. Through Google Earth, we now know 'who is doing what and where' in climate adaptation.

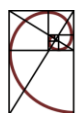


Sumernet Programme

Building a long-term research network that informs and influences policy development on sustainable development issues in the Mekong region.



Courtesy: Andrew Matthews, Asia-Pacific Network for
Global Change Research (APN), Wellington, New Zealand



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“Life can only be understood backwards;
but it must be lived forwards.”

Søren Kierkegaard

Thank you!

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www.sei-international.org