



The European Commission's science and knowledge service



Joint Research Centre



Keynote Lecture: Evidence and Policy: Why and How?

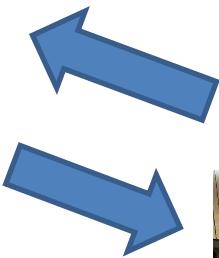
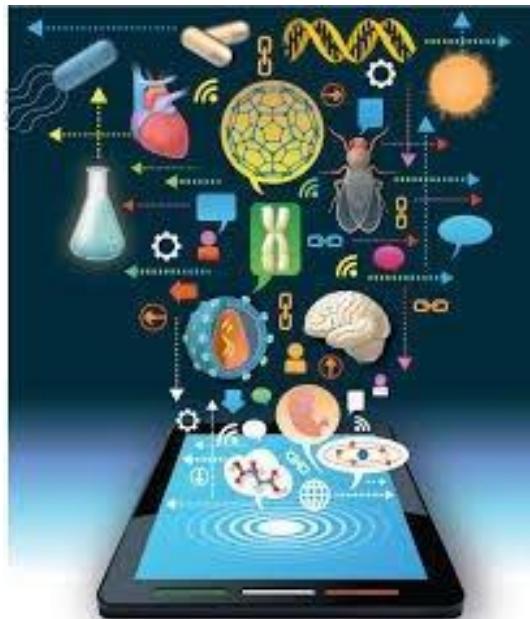
Vladimír Šucha,

Director-General



EU-AU-IIASA Evidence and Policy: Water-Energy-Food nexus,
Ispra, 31st August 2016

The need for evidence to inform policy



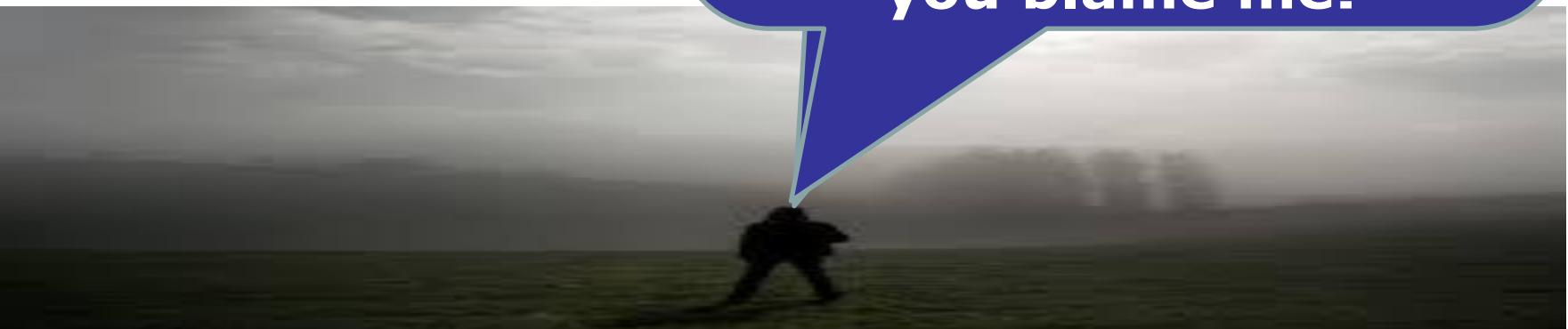
European
Commission

Two Worlds in Collision

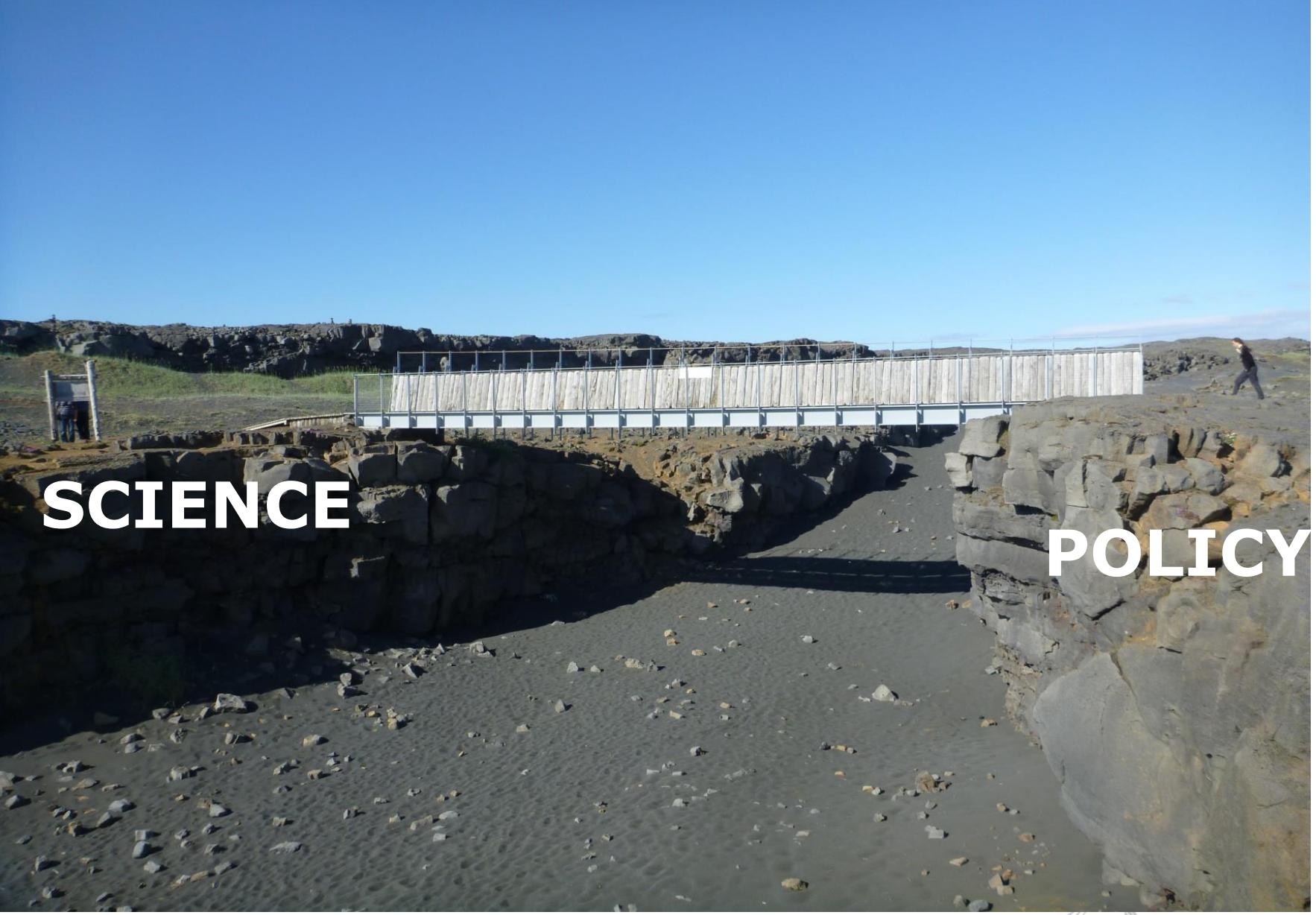




You must be a policymaker. You came out of nowhere with your questions, I give you the most accurate and precise answer I can, you're still lost, and you blame me!

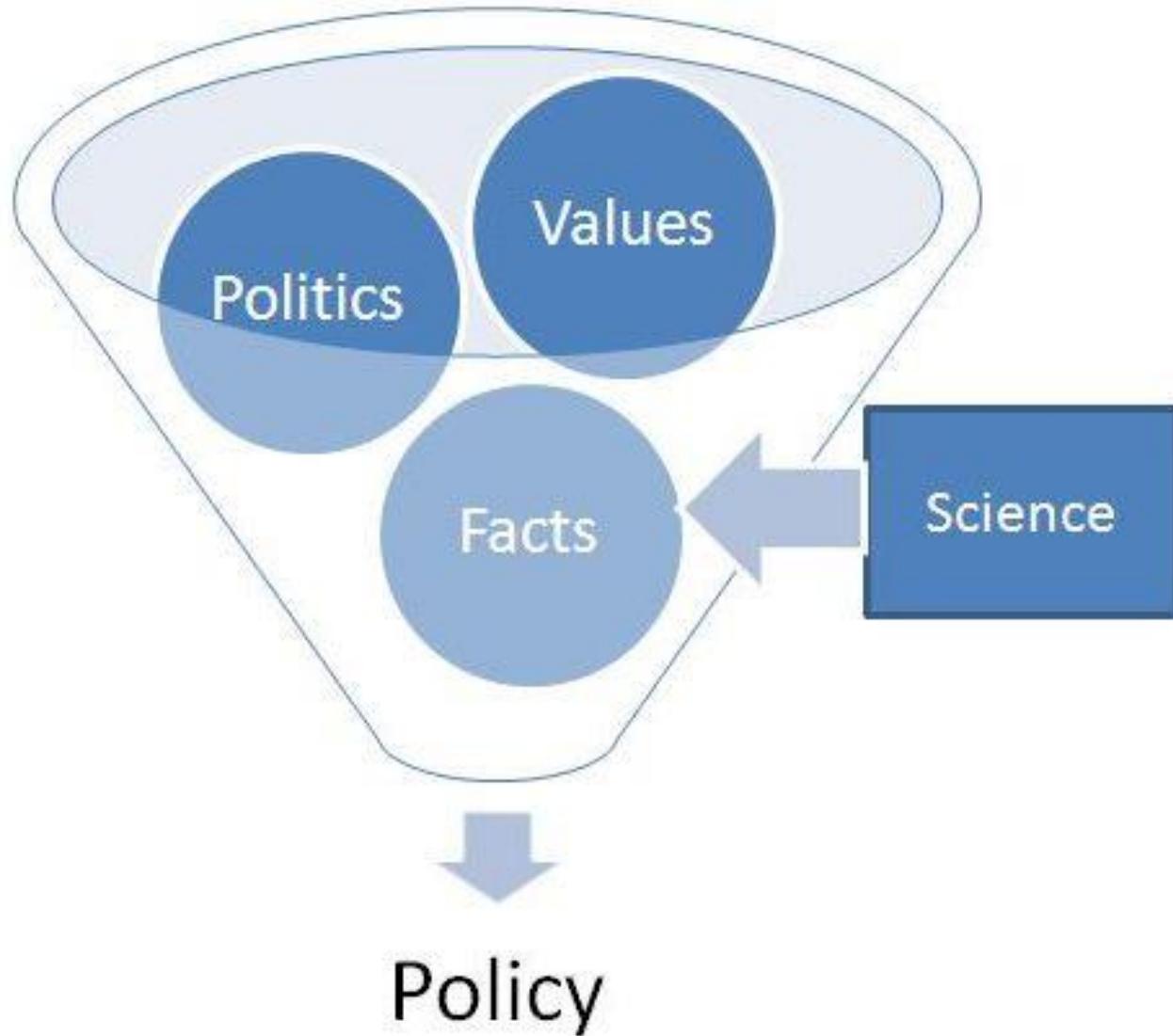


Source: Creating common purpose: the integration of science and policy in Canada's Public Service, Canadian Centre for Management Development, 2002



SCIENCE

POLICY

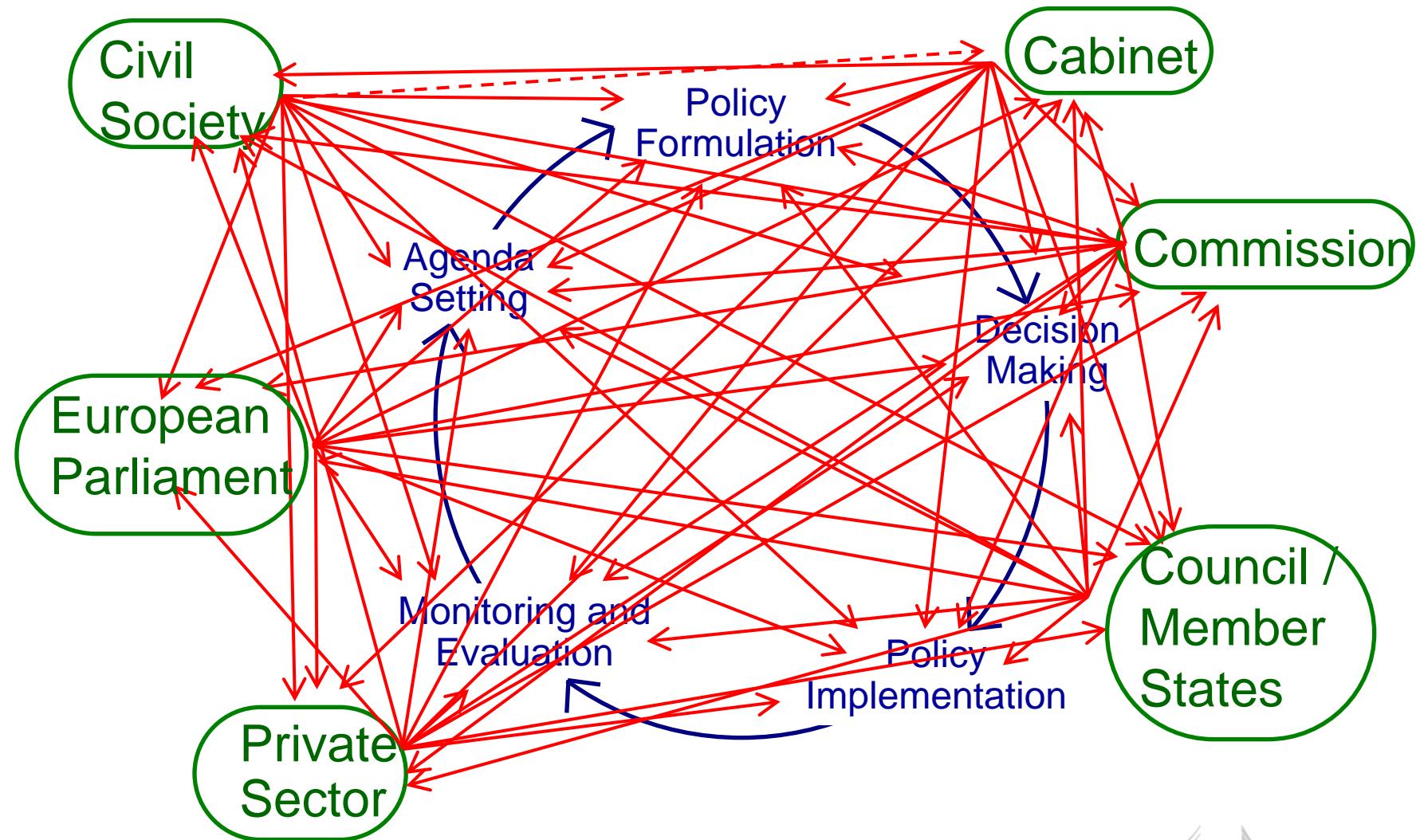


"The policy process is messy and often unpredictable. It is a complex system in which the same injection of evidence can have no effect, or a major effect."

Paul Cairney, University of Stirling, UK in The Guardian, 10th March 2016

Classic policy cycle is a concept only

We work daily in the reality.



Post-Fact Politics?

WHY WE'RE POST-FACT
Peter Pomerantsev

PROJECT SYNDICATE
THE WORLD'S OPINION PAGE

Why Democracy Requires Trusted Experts

PARIS – Last month, I wrote a commentary asking why voters in the United Kingdom supported leaving the European Union, defying the overwhelming weight of expert opinion warning of the major economic costs of Brexit. I observed that many voters in the UK and elsewhere are angry at economic experts. They say that the experts failed to foresee the financial crisis of 2008, put efficiency first in

TIME
The New Disrupters / Palestinian Hope / Fall's Best Books

WHO IS TELLING THE TRUTH?
THE FACT WARS

Why we're funny about facts and prefer emotions

From Brexit and vaccines to climate change and GM foods, why do humans find expert advice so hard to take? Two new books have a lot of suggestions

We want our country back
Vote to Leave

9 OUT OF 10 PEOPLE HOLD A DELUSIONAL BELIEF
KNOW THE FACTS

New Scientist Live
A FESTIVAL

Technology / Data Revolution



Image Source: IEEE



Integrity deficit

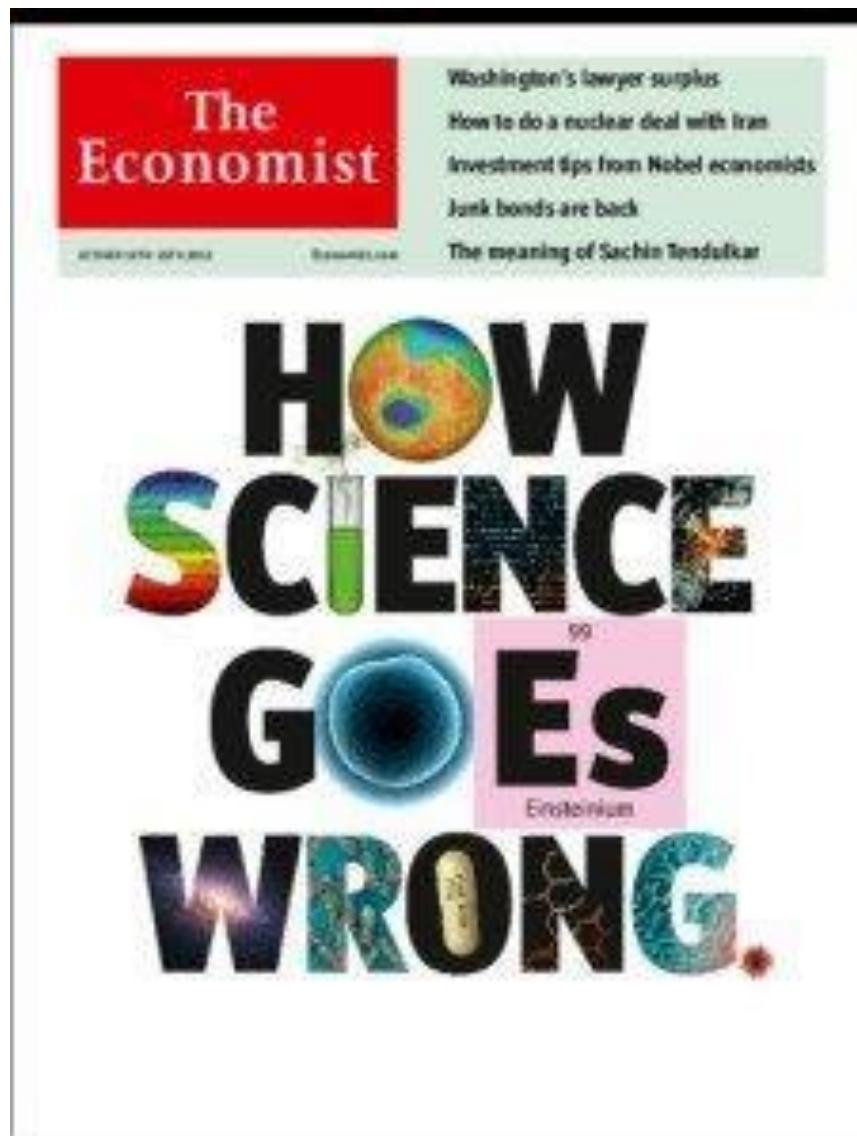


Image Source: The Economist, 19 October 2013



Inter-disciplinary deficit

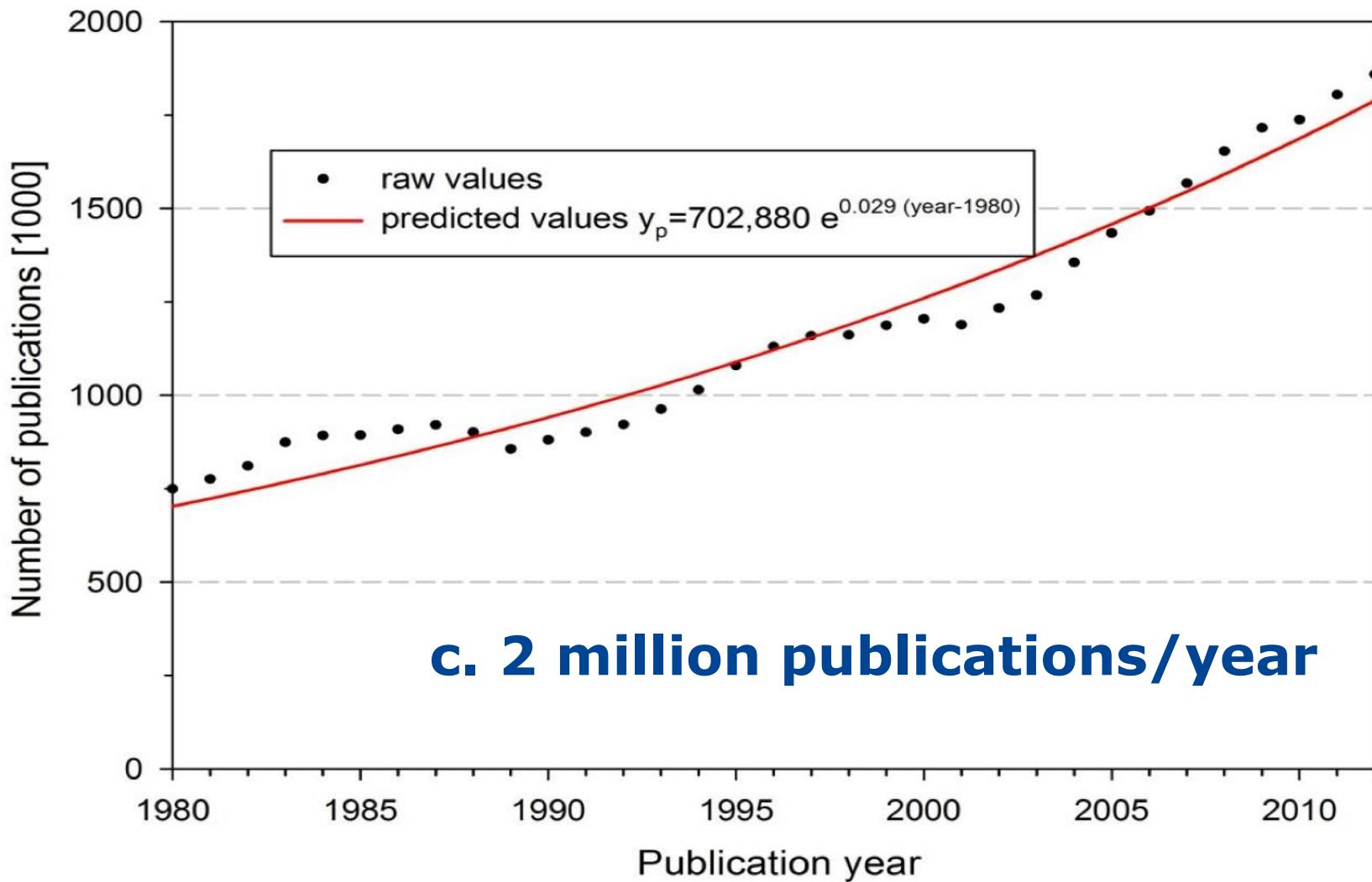


Multiplicity of Actors



Reproducibility

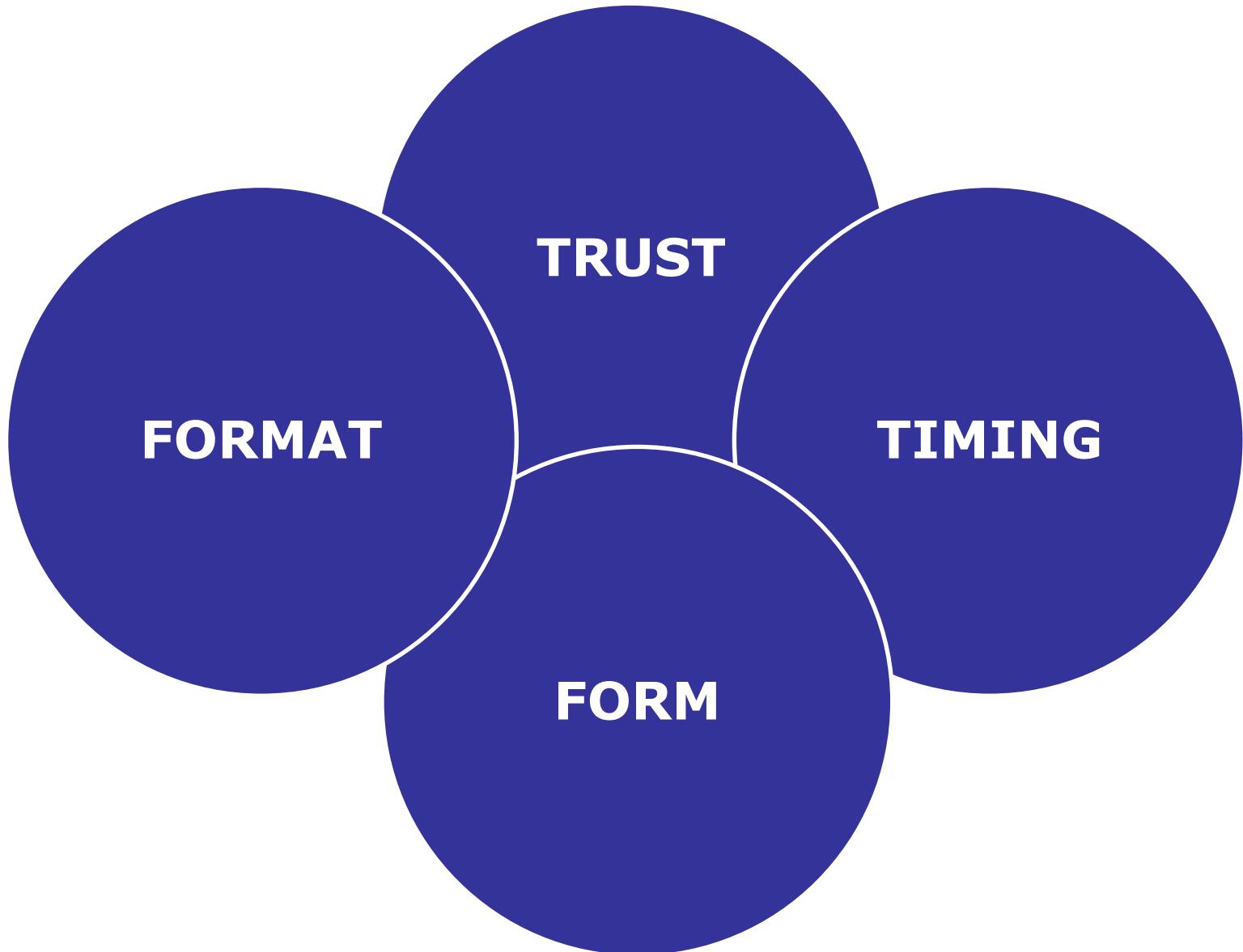




Knowledge Management and Sense-making

“We are drowning in information, while starving for wisdom. The world henceforth will be run by synthesizers, people able to put together the right information at the right time, think critically about it, and make important choices wisely.”

E.O. Wilson, Consilience, 1998



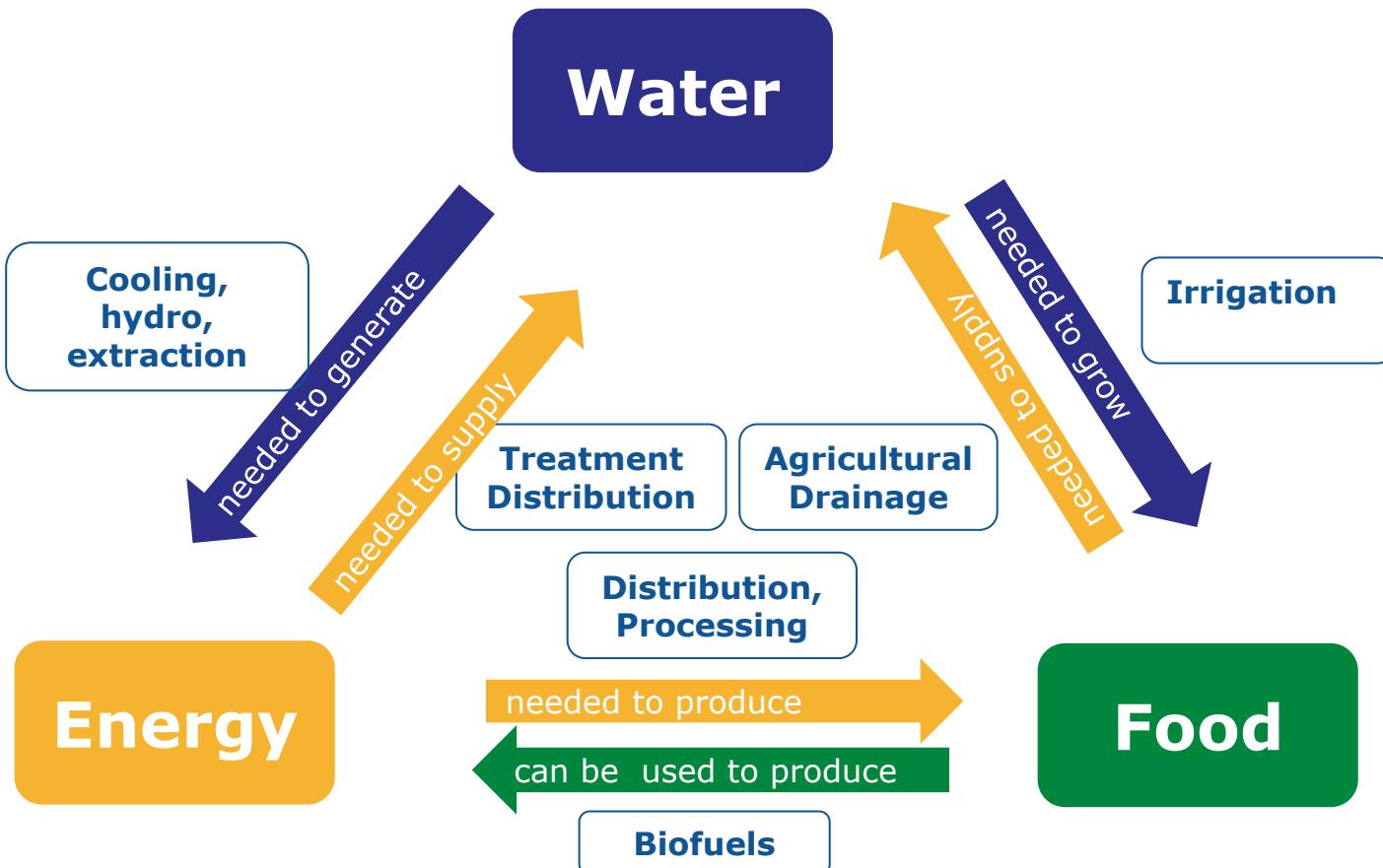
TRUST

TIMING

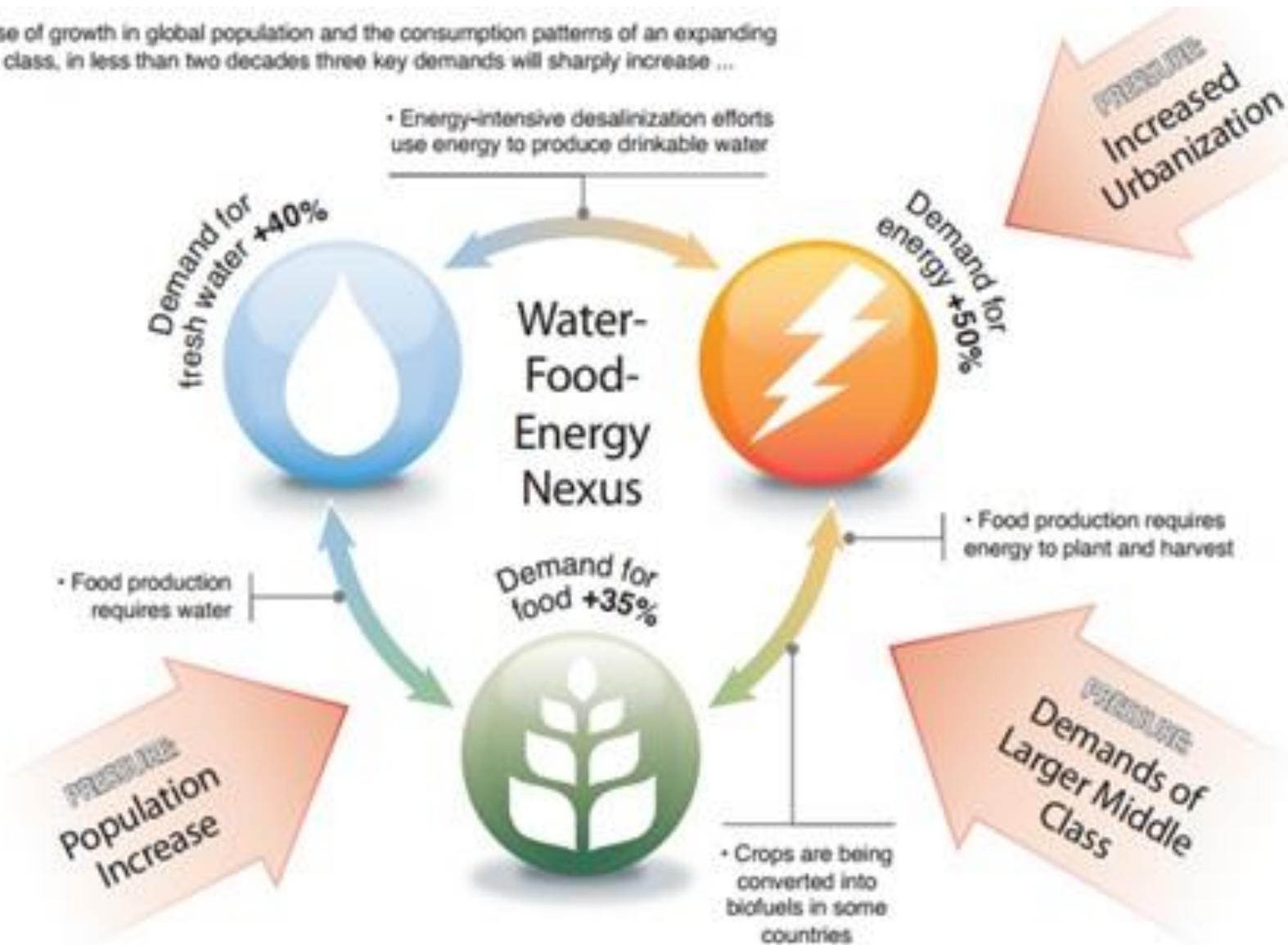
FORM

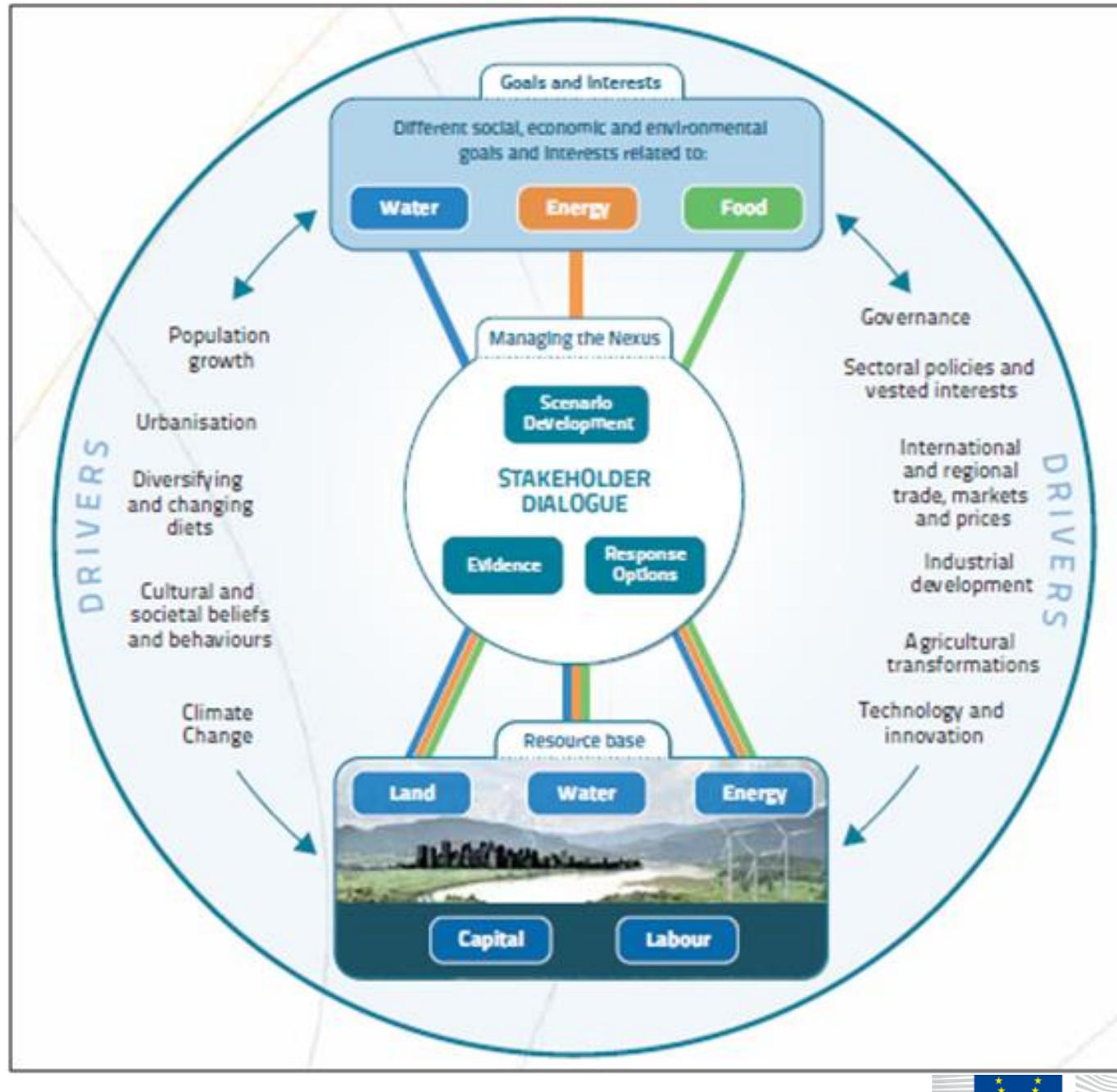
FORMAT

Water – Energy – Food Nexus



Because of growth in global population and the consumption patterns of an expanding middle class, in less than two decades three key demands will sharply increase ...





Final Remarks

