

# Annual Conference 2014



## SCIENCE IN THE EYE OF THE STORM

September 10 –12, 2014  
Technical University Berlin



Allgemeiner  
Studierendenausschuss  
Technische Universität Berlin



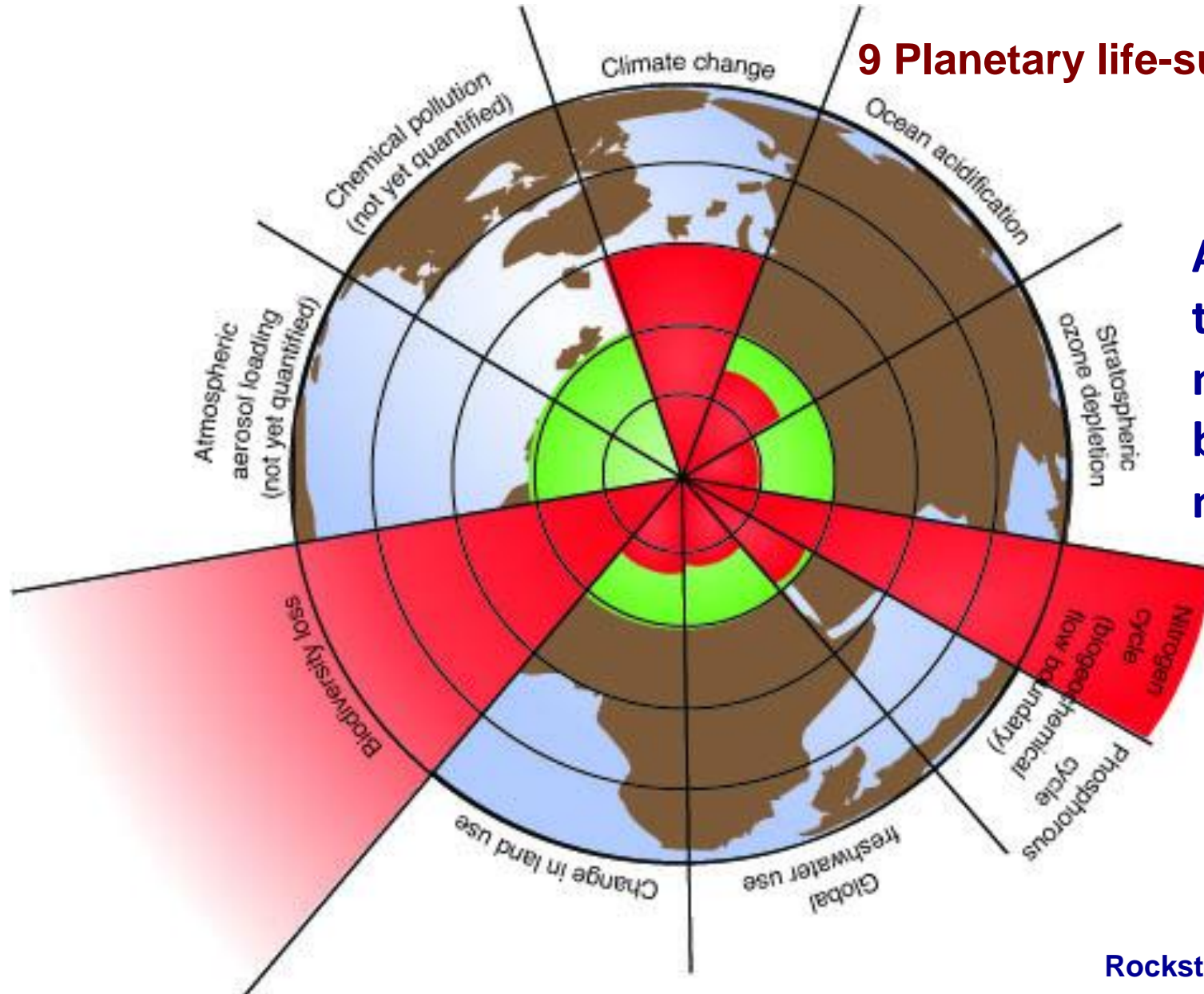
Vereinigung Deutscher Wissenschaftler



# Exceeding planetary boundaries – the safe operating space for humanity

## 9 Planetary life-support systems

Authors warn:  
the planet  
may be on the  
brink of  
massive shifts

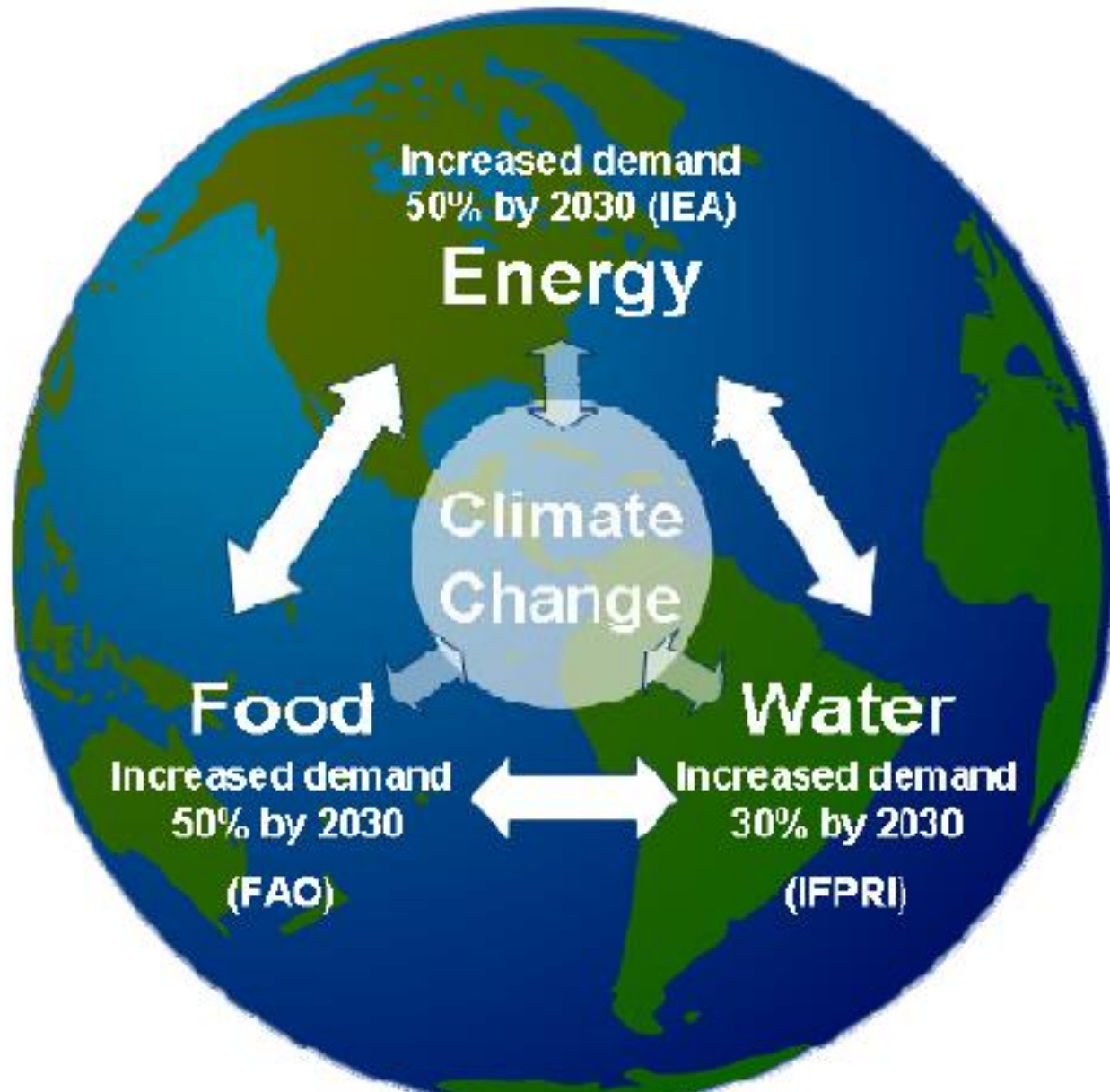


## **FOOD, ENERGY, WATER AND THE CLIMATE: A PERFECT STORM OF GLOBAL EVENTS?**

**By John Beddington CMG FRS  
Chief Scientific Adviser to HM Government**

*“There is an intrinsic link between the challenge we face to ensure food security through the 21<sup>st</sup> century and other global issues, most notably climate change, population growth and the need to sustainably manage the world’s rapidly growing demand for energy and water.”*

# The Perfect Storm Scenario!





ibz

UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT



# TRADE AND ENVIRONMENT REVIEW 2013 WAKE UP BEFORE IT IS TOO LATE

MAKE AGRICULTURE TRULY SUSTAINABLE NOW FOR FOOD SECURITY  
IN A CHANGING CLIMATE

**EMBARGO**  
The contents of this Report must not be  
quoted or summarized in the print,  
broadcast or electronic media before  
**18 September 2013, 17:00 hours GMT**



UNITED NATIONS

# Nasa-funded study: industrial civilisation headed for 'irreversible collapse'?

Natural and social scientists develop new model  
of how 'perfect storm' of crises could unravel  
global system



This Nasa Earth Observatory image shows a storm system circling around an area of extreme low pressure in 2010, which many scientists attribute to climate change. Photograph: AFP/Getty Images

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**Nafeez Ahmed**

Friday 14 March 2014 18.28 GMT

1483 comments

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# ONE VISION FOR A SOLUTION TRAJECTORY

## FOOD, ENERGY, WATER AND THE CLIMATE: A PERFECT STORM OF GLOBAL EVENTS?

By John Beddington CMG FRS  
Chief Scientific Adviser to HM Government

“Science and technology can make a major contribution, by providing practical solutions. ... On food, we need a new, “greener revolution”. *Techniques and technologies from many disciplines, ranging from biotechnology and engineering to newer fields such as nanotechnology, will be needed.* ..... Meeting the demand for energy, while mitigating and adapting to climate change, will require **a mix of behavioural change and technological solutions.**”

**While fairly good agreement on the analysis of the state of affairs**

**– do we agree on solution trajectories?**

**Who gets to have a say on:**

- **Visions of innovation, definition of progress?**
- **What mix of behavioral change and technologies exactly?**
- **Within the current neo-liberal capitalist model or beyond it?**

**ENSSER members are active in relevant fields of science and should inform the debate and get involved**

**This conference is meant to:**

- **offer a platform to begin engaging in that debate**
- **broaden our focus and go beyond BioTechnologies**



# OUTLINE OF CONFERENCE

- Today and tomorrow morning: present outcomes of relevant fields of science and agenda setting

- Tonight PUBLIC EVENT

- Tomorrow PLENARY CLOSING SESSION - **THE CONVERGENCE OF SOLUTIONS**

*Structured, moderated discussion to connect to the conference themes discussed in the public evening session on the first day.*

- *What will it take to democratize science and research agenda setting at EU level?*
- *What can and should ENSSER do to influence the debate on our common future and its supporting science and policy making?*

## **Organisational issues:**

- **Dinner cooked by students!!**
- **Student Café across the street**
- **After public event (here) – reception across the street in student café**