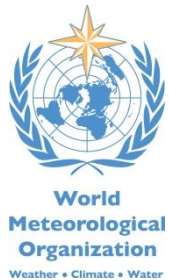
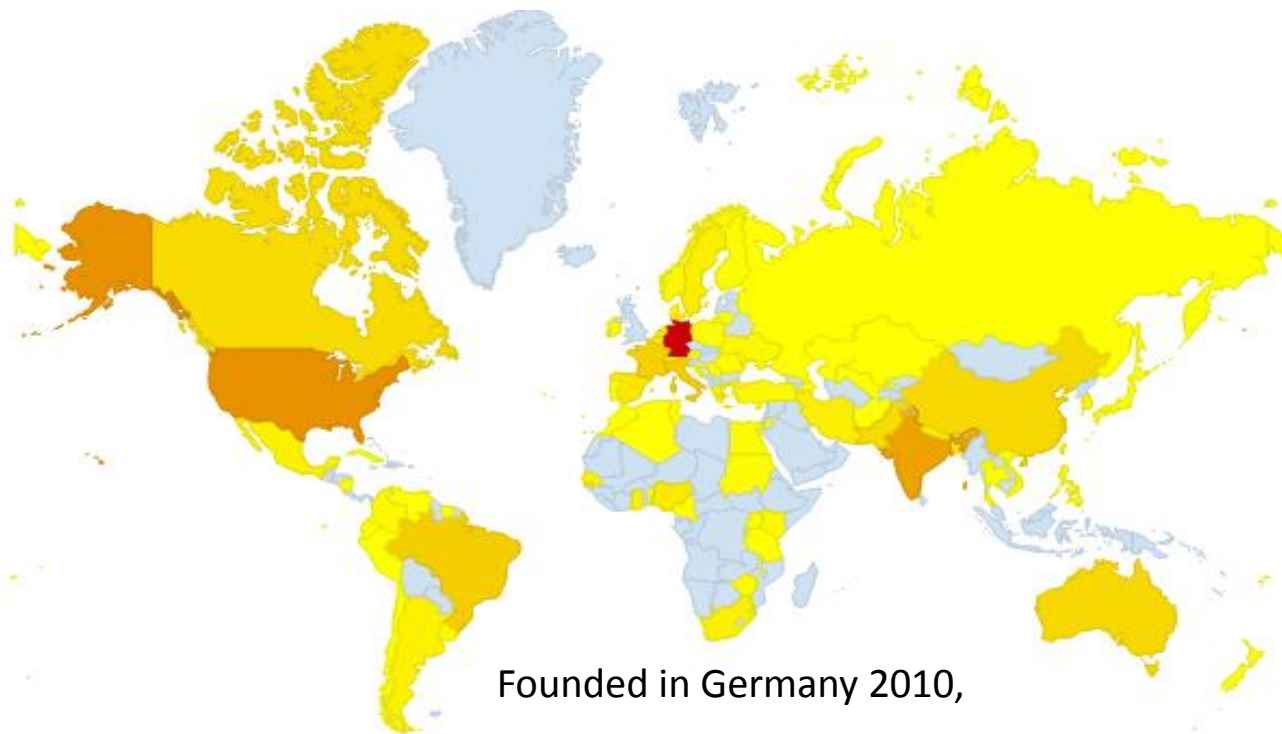


# Earth System Science Frontiers 2015

(An) Early Career Researcher Workshop

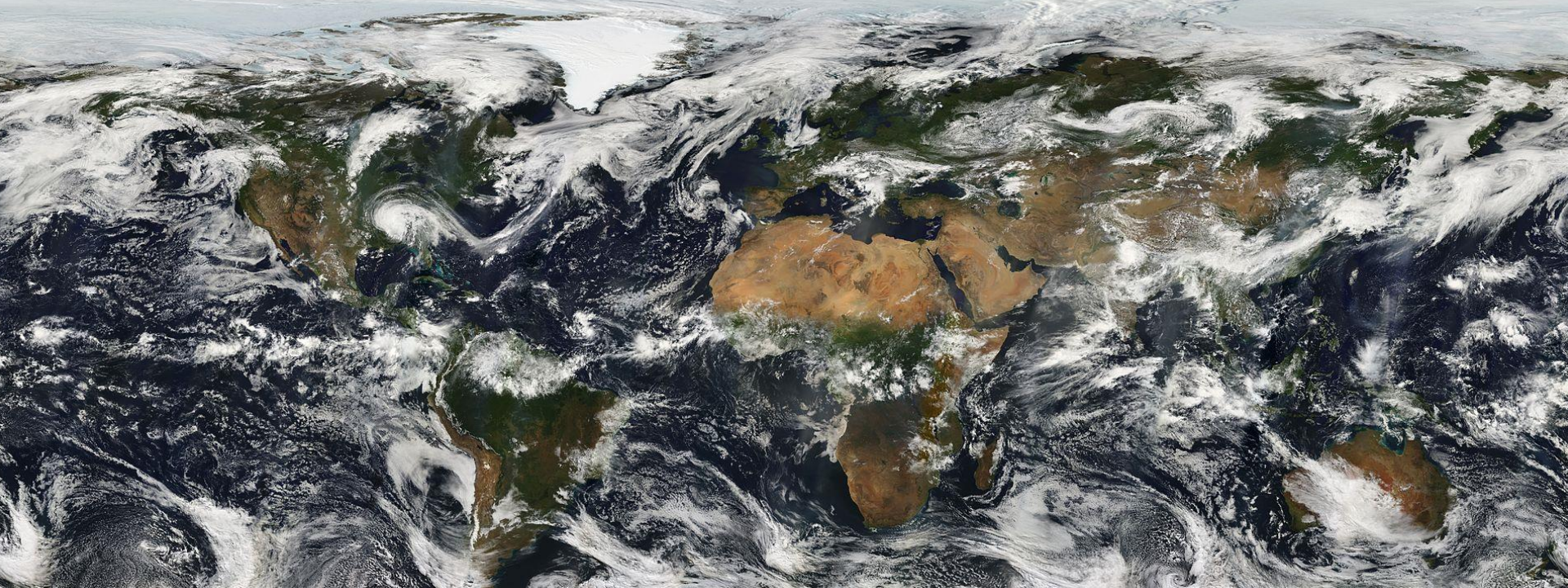




Founded in Germany 2010,  
now 600+ international members

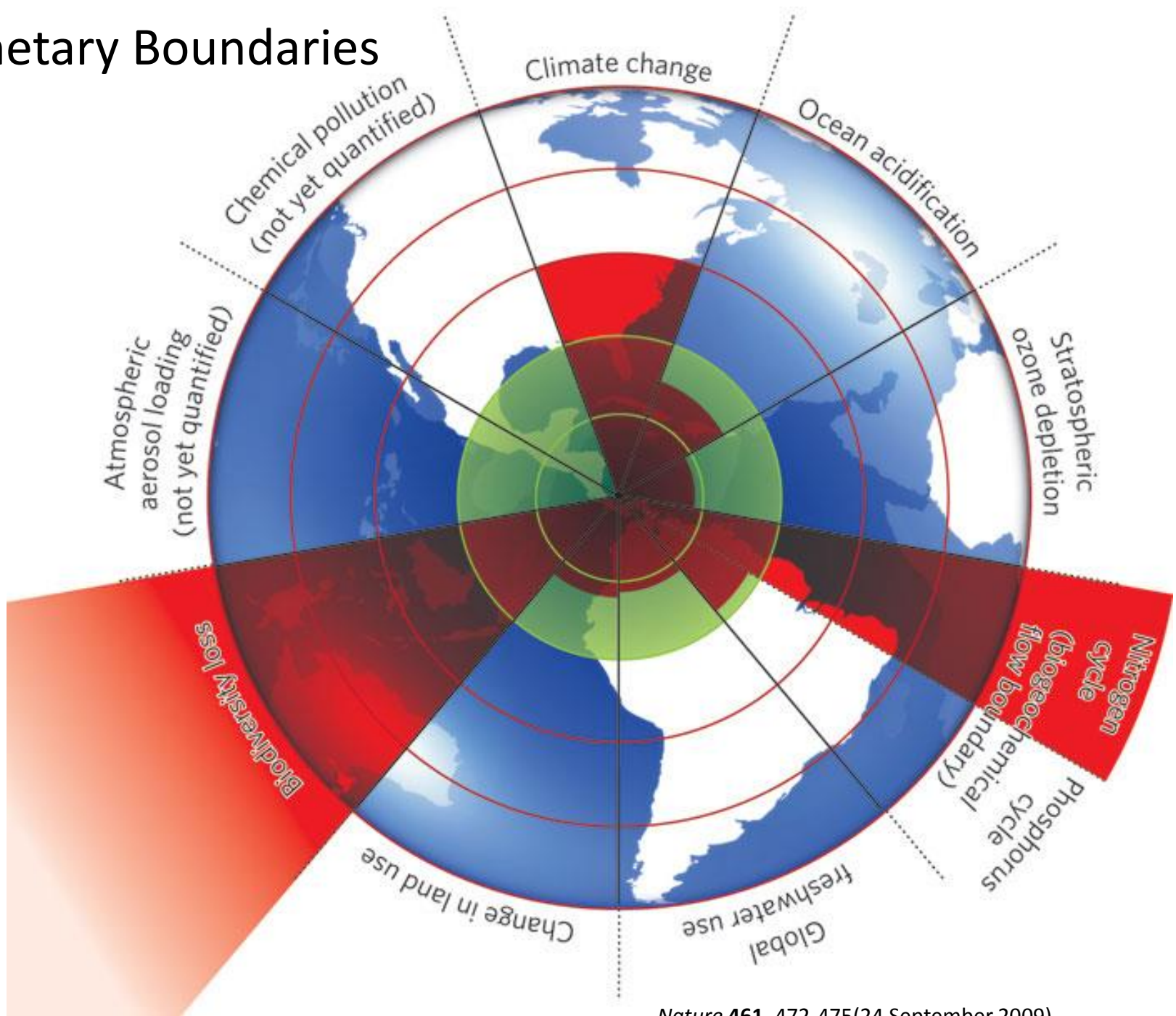


YOUNG  
EARTH SYSTEM  
SCIENTISTS  
**community**



The Earth System in the Anthropocene

# Planetary Boundaries



# Workshop Targets

- Discuss challenges in Earth System Science
- Identify (ECS) structures that are necessary to tackle these challenges
- Develop implementation strategies for our ECS activities

This **workshop** is just one step of an ongoing process – let's use the limited time to develop our ideas together

# Introduction



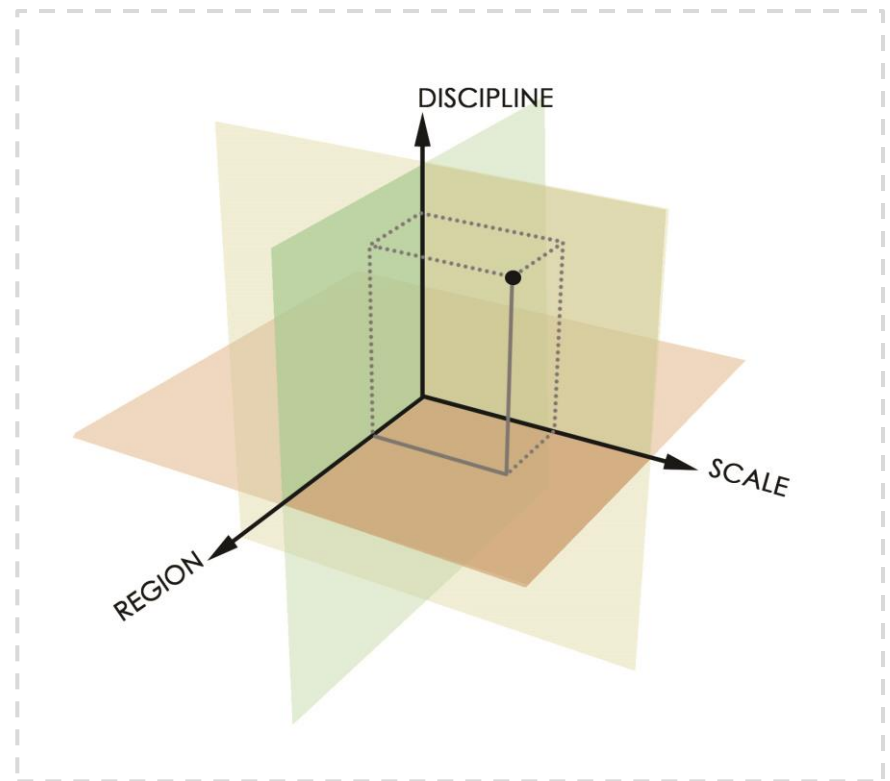
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# Workshop Targets

- Discuss challenges in Earth System Science

- BG1: Seamless Earth System prediction
- BG2: User-driven science (communicating uncertainty)
- BG3: Interdisciplinarity





# Workshop Targets

- Discuss challenges in Earth System Science
  - Identify (ECS) structures that are necessary to tackle these challenges
  - Develop implementation strategies for our ECS activities
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- BG1: Seamless Earth System prediction
  - BG2: User-driven science (communicating uncertainty)
  - BG3: Interdisciplinarity
  - BG4: ECS structures



# Workshop Targets

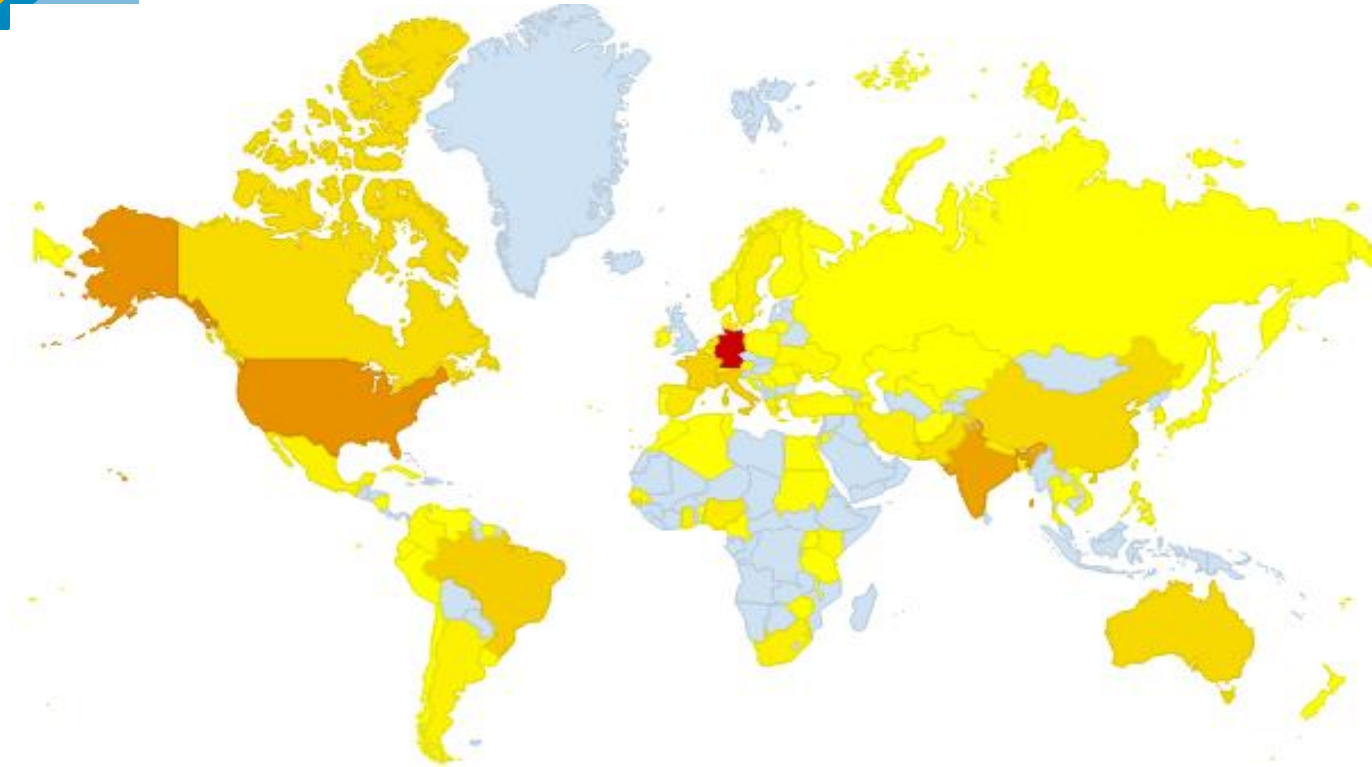
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- BG1: Seamless Earth System prediction
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- BG3: Interdisciplinarity
- BG4: ECS structures
- **BG5: Implementation**

# Questions



## Our Way to this Workshop

- YESS was founded 2010 in Germany to be a Network between german universities
- First: Creating a platform, organizing seminars and a workshops
- 2013: Decision to try to become an international network for all early career earth system scientists → First contact to WCRP
- Present at conferences in Montreal and Darmstadt – early career programm
- ISG – International Steering Group
- Invitation to join WCRP JSC meeting in Geneva
- Decision by the JSC to support this workshop



- The network is growing ~600 members
- It is still a platform – not a service
- Where to go?

## Our Aim at this workshop

- What are the current challenges in earth system science and how are they addressed?
  - What kind of structure (especially for ECS) do we need for these challenges?
  - How can we get to such a structure?
  - How can early career scientists be involved in earth system science?
  - Do we need an interdisciplinary network?
  - How broad should it be?
- 
- It is a workshop – not a conference!
  - And...it is OUR workshop – let us work on our vision and use the time we have for discussions and ideas!