

# IGBP-WCRP collaborations: current and future

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futureearth

Ended Dec. 2013



Earth System  
Science Partnership  
2001

WCRP  
World Climate Research Programme  
Established  
1980

GLOBAL  
IGBP  
CHANGE  
International  
Geosphere-Biosphere  
Programme  
1987

End Dec. 2015



DIVERSITAS  
1991

End Dec. 2014



1996

Ended June 2014

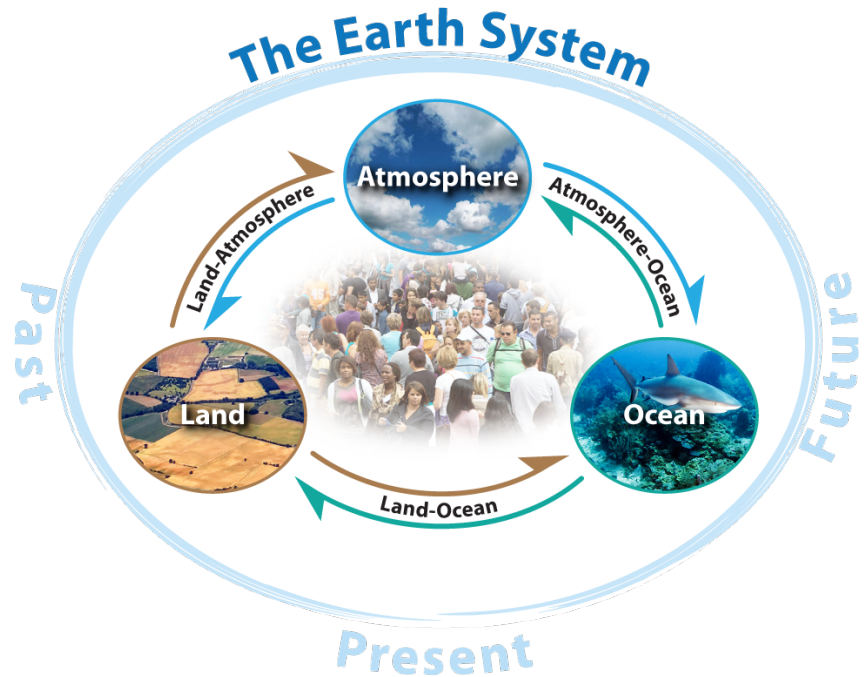


# Questions/Issues for discussion

- Core and Joint projects
- Integrated climate science within FE
  - Cluster?
  - Science-policy engagement
- ICSU General Assembly – joint presentations
- IGBP Landmark Synthesis activities



# Integrated Earth-system approach



ESSP

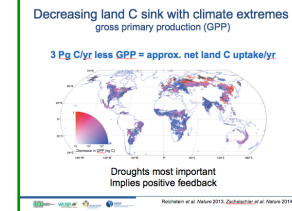
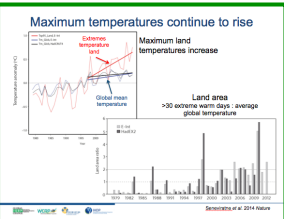
# Questions/Issues for discussion



ESSP Joint Projects/Activities





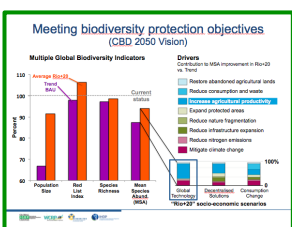


# Science-policy engagement

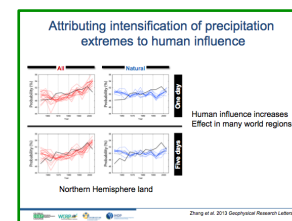
Key scientific findings, priorities, uncertainties



UNFCCC Subsidiary Body for Scientific and Technological Advice (SBSTA)



Research dialog - June 2014  
2-day workshop - non-forest C, Nov 2013



# Questions/Issues for discussion

- “Climate cluster” within FE
  - Research (physical climate, biogeochemistry, ecosystems, impacts, adaptation,.....)... to climate services
- IPCC interactions (workshops, AR6+, gaps...)
- UNFCCC SBSTA Research Dialogs
  - Lead for engagement



# ICSU General Assembly

30 August -4 Sept. 2014

Auckland, NZ

## Two GEC agenda items/presentations

- +25 years of GEC research
- IPCC AR5 – contributions from the GEC programs





# IGBP Landmark Synthesis

**Aim** - Frame the contributions of IGBP to global environmental change research

## Three pillars

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graph TD; A[Three pillars] --> B[Core-Project Science :  
Key accomplishments, links to broader Earth-system science, perspective on future directions and challenges]; A --> C[Earth-System Science  
Retrospective on the development of Earth-System Science and a look ahead]; A --> D[Anthropocene  
Integrated natural and social science perspective on the Anthropocene concept]; B --> E[Series of papers in a special issue (one from each project and an overview)]; C --> F[Paper (s) outlining IGBP's contribution, highlighting key outstanding challenges and discussing the path ahead]; D --> G[Series of papers (involving IGBP & IHDP authors) in a special issue];
```

### **Core-Project Science :**

Key accomplishments, links to broader Earth-system science, perspective on future directions and challenges

Series of papers in a special issue (one from each project and an overview)

### **Earth-System Science**

Retrospective on the development of Earth-System Science and a look ahead

Paper (s) outlining IGBP's contribution, highlighting key outstanding challenges and discussing the path ahead

### **Anthropocene**

Integrated natural and social science perspective on the Anthropocene concept

Series of papers (involving IGBP & IHDP authors) in a special issue

# IGBP Landmark Synthesis Event 2015



Fall Meeting, San Francisco  
14-18 December 2015

- Integrated science sessions
- Young scientists event
- Evening reception
- Future Earth



*Join us! Some joint session topics?*



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  - “Cluster”?
  - Science-policy engagement
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- IGBP Landmark Synthesis activities – AGU 2015

