

**Impacts World 2017,
Potsdam, 12 October 2017**

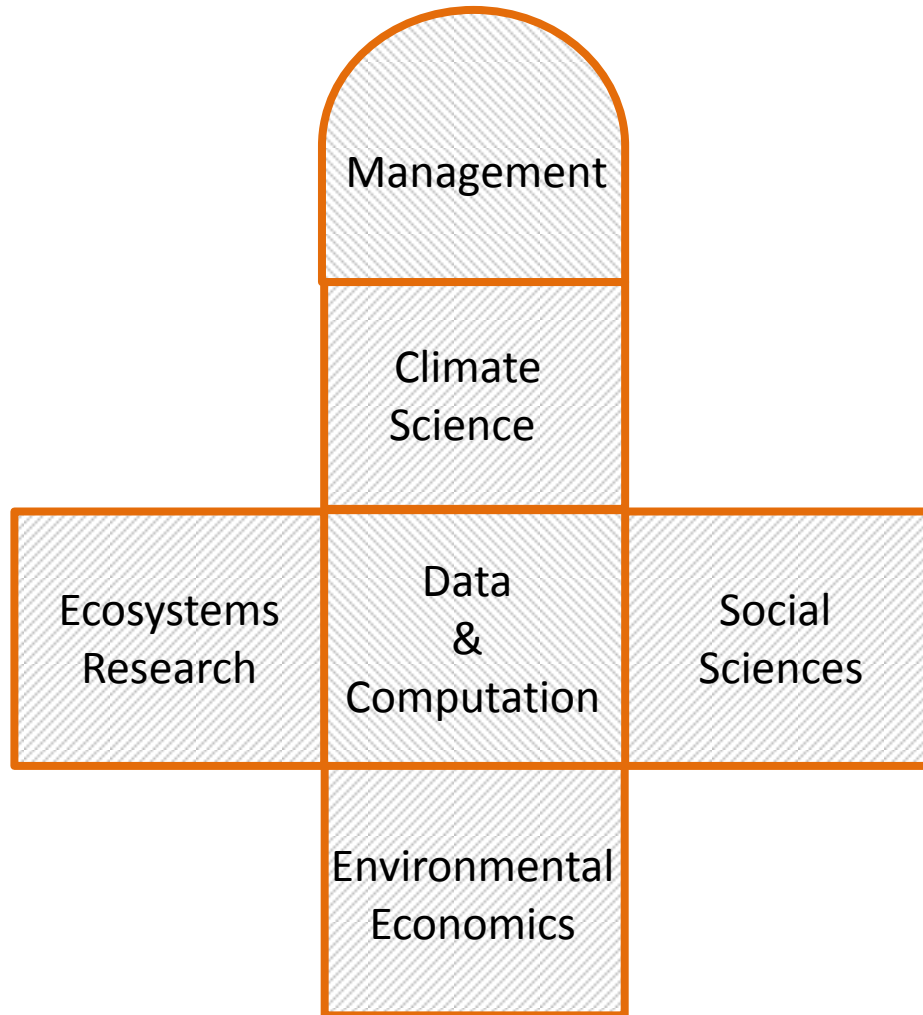
Climate Impacts Research and the Potsdam Institute: A Quarter-Century Reflection

Hans Joachim Schellnhuber



1. Interdisciplinarity

Die „Gründungsarchitektur“

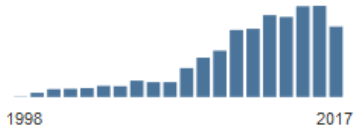


**Multi-disciplinary Set-up of PIK
According to 1991 Concept Paper**

PIK Citations 2017:

Total Publications

2.717



h-index

141

Average citations per item

42,09

Sum of Times Cited

114.346

Without self citations

102.928

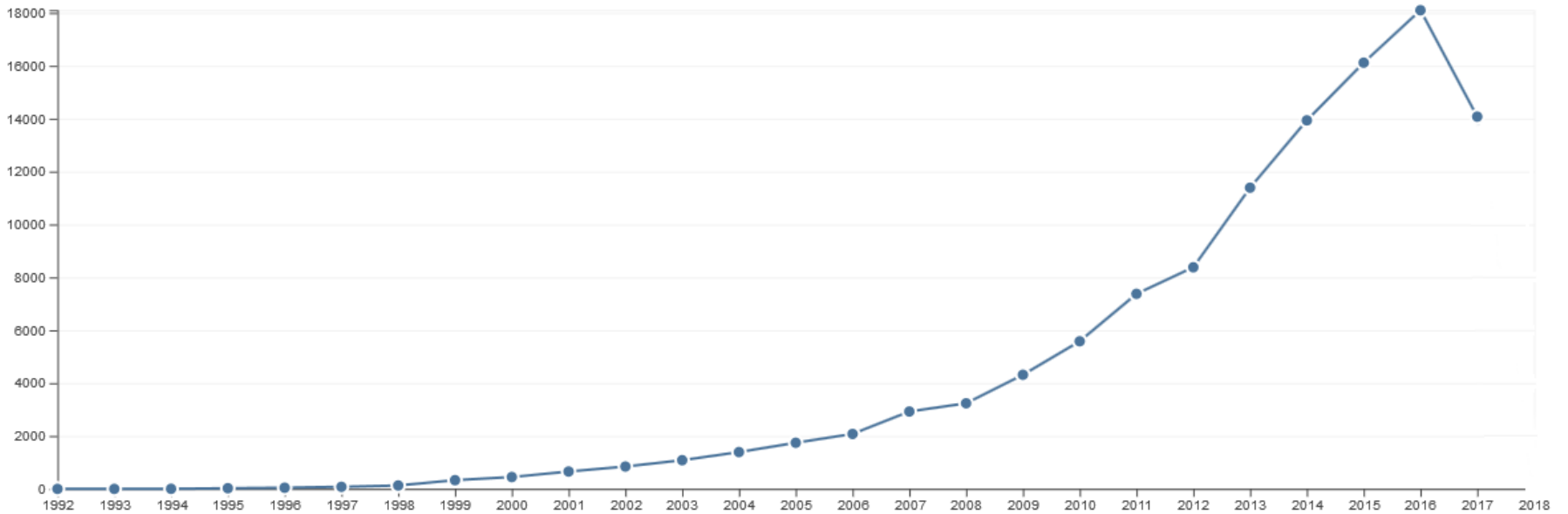
Citing articles

69.169

Without self citations

67.079

Sum of Times Cited per Year



PIK Publications by Research Domains (2016)

RD1

Earth System Analysis

ISI publications: 59

Total publications: 69

RD3

Sustainable Solutions

ISI publications: 61

Total publications: 75

RD2

Climate Impacts & Vulnerabilities

ISI publications: 78

Total publications: 91

RD4

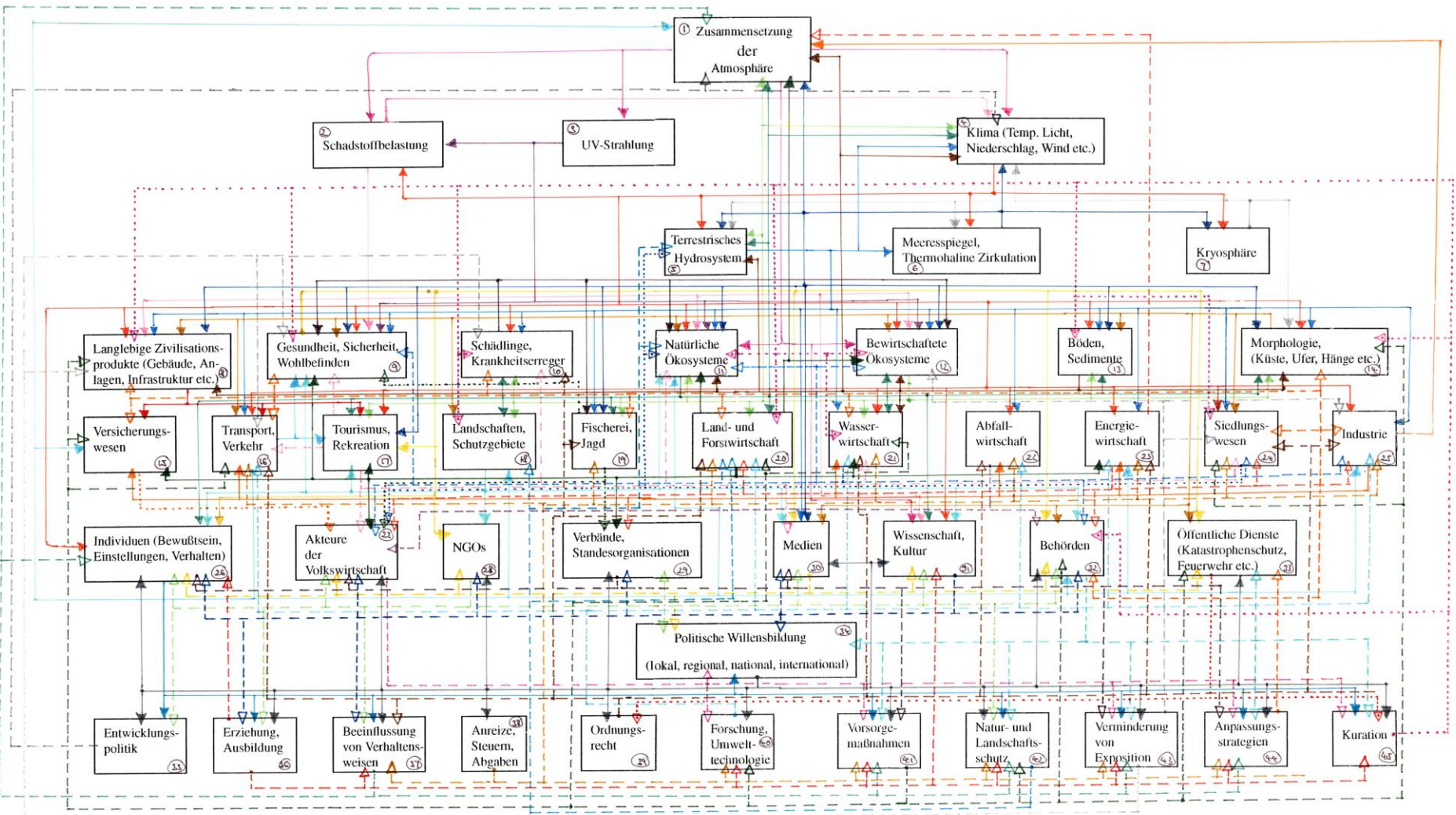
Transdisciplinary Concepts & Methods

ISI publications: 96

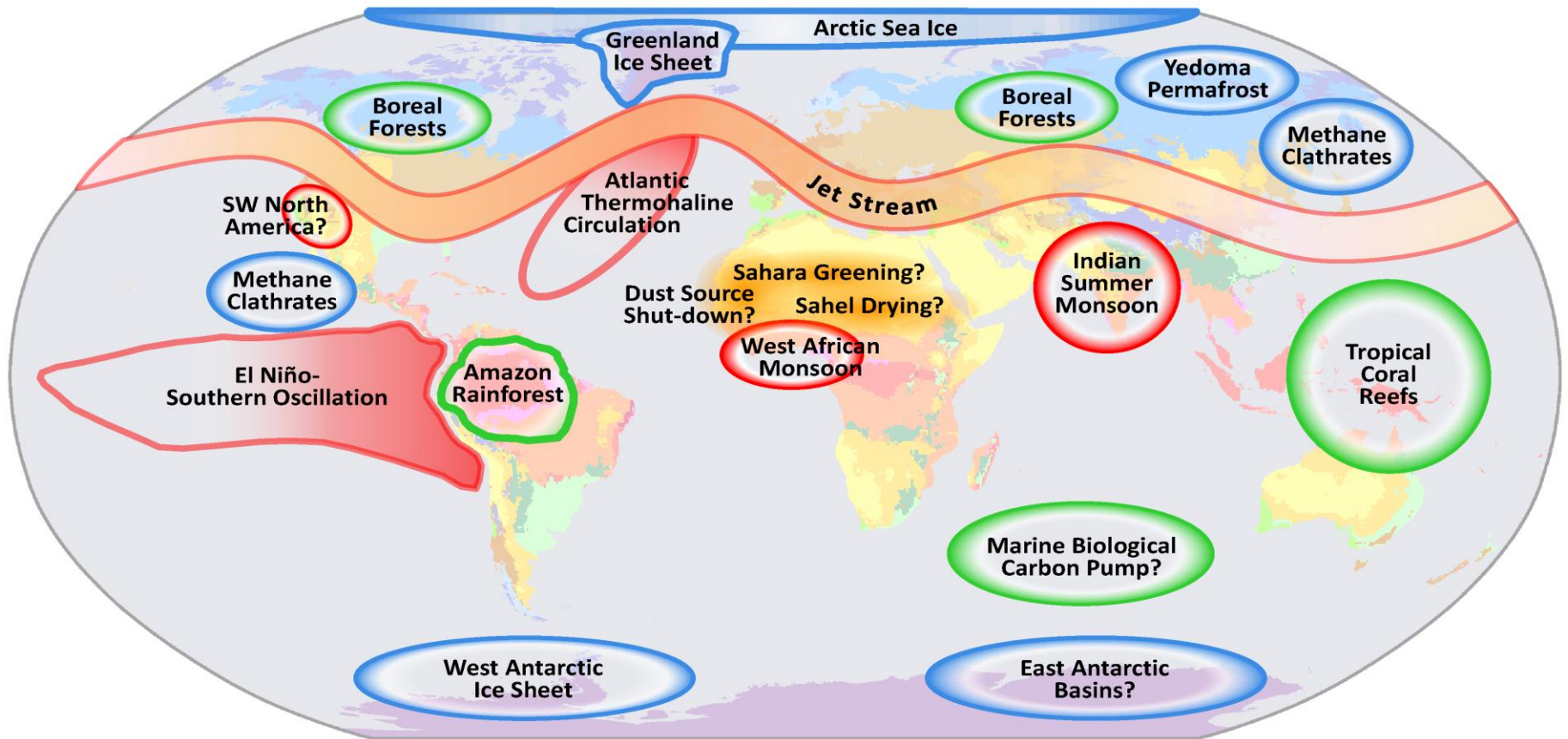
Total publications: 104

2. Complexity

Die Klimafolgenkaskade (Schellnhuber 1992)



Looming Risks: Tipping Elements in the Earth System



- Cryosphere Entities
- Circulation Patterns
- Biosphere Components

Köppen Climate Classification



3. Responsibility

Hans Joachim Schellnhuber

SELBST VERBRENNUNG

*Die fatale Dreiecksbeziehung
zwischen Klima, Mensch
und Kohlenstoff*



C. Bertelsmann



PAPA FRANCESCO SULLA CURA DELLA CASA COMUNE

ENCYCLICAL LAUDATO SI` Published 18 June 2015

FRANCESCO

Laudato si'
sulla cura
della casa comune



Meeting of the Pontifical Academy of Sciences at the Vatican, November 2016



Pope Francis' Reminder

„I would say that it falls to **scientists**, who work **free of political, economic or ideological interests**, to **develop a cultural model** which can **face the crisis of climatic change and its social consequences**, so that the vast potential of productivity will not be reserved only for the few.

Just as the **scientific community**, through interdisciplinary dialogue, has been able to **research and demonstrate our planet's crisis**, so too today **that same community is called to offer a leadership** that provides general and specific **solutions** for issues which our plenary meeting will confront: **water, renewable forms of energy and food security.**“