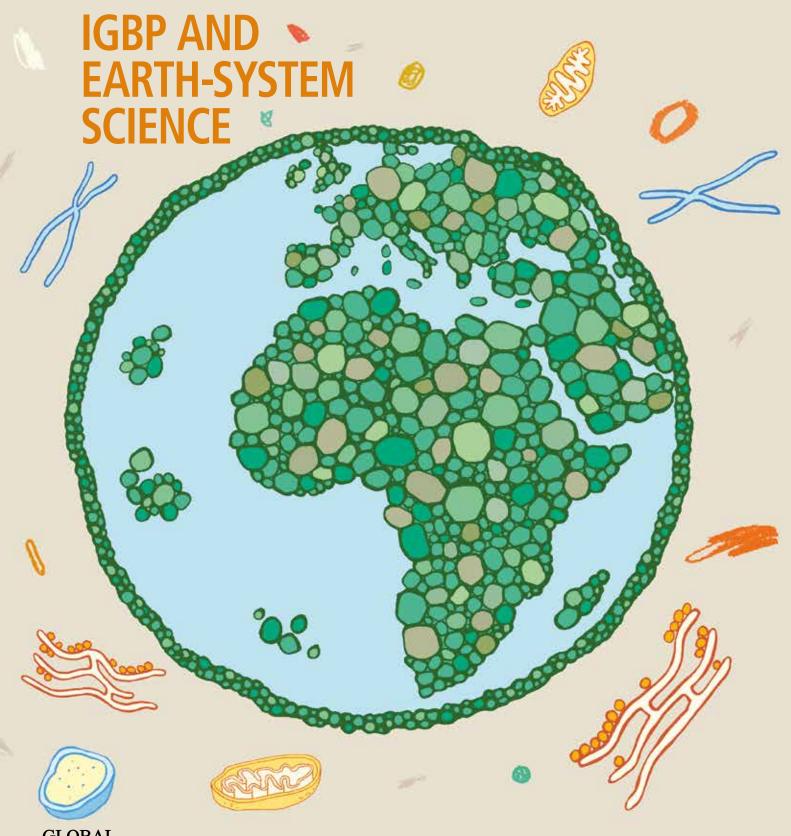
# Global Change International Geosphere-Biosphere Programme Issue 84 November 2015







### **Cover image**

The Earth system crystallised as an object of inquiry in the early 1980s. IGBP was set up to focus on the interactive physical, chemical and biological processes that regulate this system as well as the influence of human actions. Here the system is represented as a cell under a microscope. The elements surrounding the cell could be creatively interpreted as the various Earth-observation satellites that have been crucial to IGBP research over the decades.

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Global Change has primarily published research and opinion from within the extensive IGBP network.

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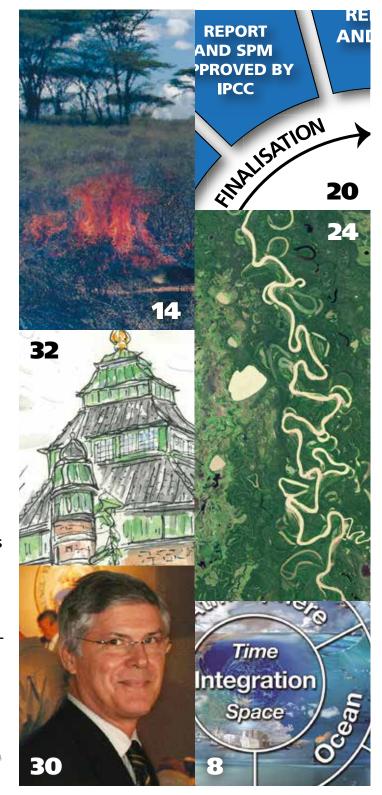
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### IGBP core and joint projects and activities 1987-2015

Joint Global Ocean Flux Study (JGOFS) 1989-2003 Biosphere Aspects of the Hydrological Cycle (BAHC) 1990-2003 Global Change and Terrestrial Ecosystems (GCTE) 1990-2003 International Global Atmospheric Chemistry (IGAC) 1990-Past Global Changes (PAGES) 1991-

Data and Information Systems (DIS) 1993-2001 Global Analysis Integration and Modelling (GAIM) 1993-2004 Land-Ocean Interactions in the Coastal Zone (LOICZ) 1993-Global Ocean Ecosystem Dynamics (GLOBEC) 1995-2010 Land Use and Cover Change (LUCC) 1995-2005 Global Carbon Project (GCP) 2001-

International Nitrogen Initiative (INI) 2003-

Integrated Land Ecosystem-Atmosphere Processes Study (ILEAPS) 2004-Surface Ocean-Lower Atmosphere Study (SOLAS) 2004-

Analysis, Integration and Modelling of the Earth System (AIMES) 2005-Integrated Marine Biogeochemistry and Ecosystem Research (IMBER) 2005-Global Land Project (GLP) 2006-

Global Water System Project (GWSP) 2004-

