

# Global Change

International Geosphere-Biosphere Programme Issue 83 | December 2014

## THE CARBON ISSUE

GLOBAL  
**IGBP** International  
Geosphere-Biosphere  
Programme  
CHANGE

[www.igbp.net](http://www.igbp.net)  
Earth-system science for a sustainable planet

 ICSU  
International Council for Science

## Cover image

A farmer burns rice straw prior to planting wheat, in Sangrur District, Punjab, India. Machine-harvested rice leaves long stalks in the ground that need to be cut down and disposed of before wheat can be planted. With low nutritional value as a livestock feed, and little time between rice harvesting and wheat planting, burning the rice residues is widespread in the region.

Photo credit: Neil Palmer, CIAT International Center for Tropical Agriculture.

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*Global Change* primarily publishes research and opinion from within the extensive IGBP network.

Published by:  
IGBP Secretariat,  
The Royal Swedish Academy of Sciences,  
Box 50005, SE-104 05, Stockholm, SWEDEN

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ISSN 0284-5865

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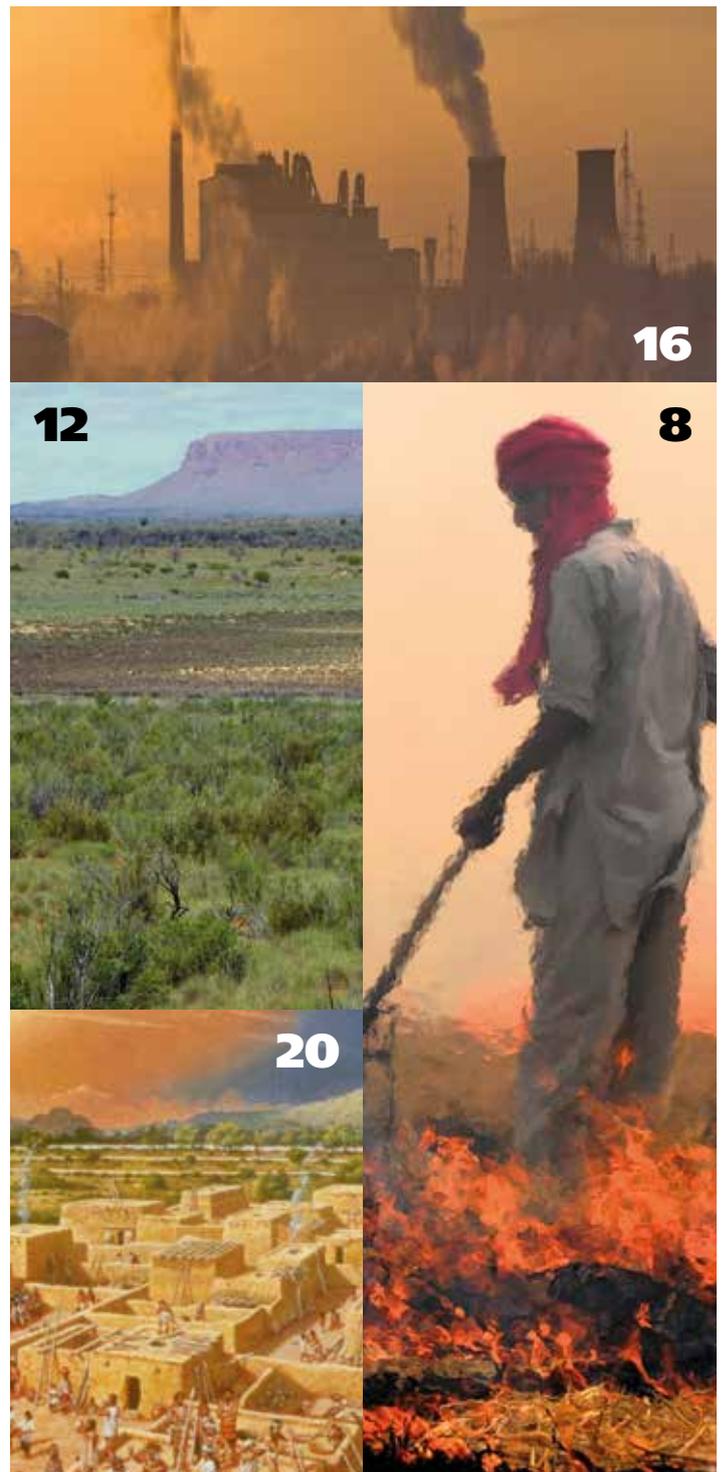
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Printed by Bergs Grafiska, Sweden



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# GLOBAL IGBP CHANGE

International  
Geosphere-Biosphere  
Programme

IGBP is an ICSU global-  
environmental-change programme.



## IGBP core projects

Analysis, Integration and Modelling  
of the Earth System (AIMES)

Global Land Project (GLP)

International Global  
Atmospheric Chemistry (IGAC)

Integrated Land  
Ecosystem-Atmosphere Processes  
Study (ILEAPS)

Integrated Marine  
Biogeochemistry and  
Ecosystem Research (IMBER)

Land-Ocean Interactions in the  
Coastal Zone (LOICZ)

Past Global Changes (PAGES)

Surface Ocean-Lower Atmosphere  
Study (SOLAS)

## Global-environmental- change joint projects

Global Carbon Project (GCP)

Global Water System  
Project (GWSP)

## ICSU's global- environmental-change programmes

DIVERSITAS – an international  
programme of biodiversity science

International Geosphere-Biosphere  
Programme

World Climate Research Programme

## Future Earth

Future Earth is a new ten-year  
international research initiative.  
See [futureearth.info](http://futureearth.info) for more  
information.

## Join the IGBP network [www.igbp.net](http://www.igbp.net)

Launched in 1987, IGBP was the first major international  
research programme to study the Earth system. IGBP  
coordinates international research on global-scale and  
regional-scale interactions between Earth's biological,  
chemical, physical and socio-economic systems.

