

# Global Change

International Geosphere-Biosphere Programme

Issue 76 | January 2011

## PLANET UNDER PRESSURE

-  - WATER
-  - FOOD
-  - POVERTY
-  - ENERGY
-  - CARBON



### Peak phosphorus

Controversial estimates

### Engineering the climate

The debate heats up

### Ocean acidification

Knowns and unknowns

## Cover image

Previous attempts to push society onto a sustainable pathway have struggled to deliver. Several ongoing and planned initiatives seek to make a difference by taking a fresh approach. The cover depicts the artist's representation of the creative process associated with this approach.

## REGULARS

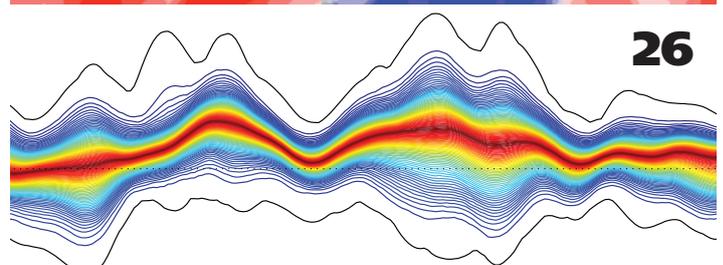
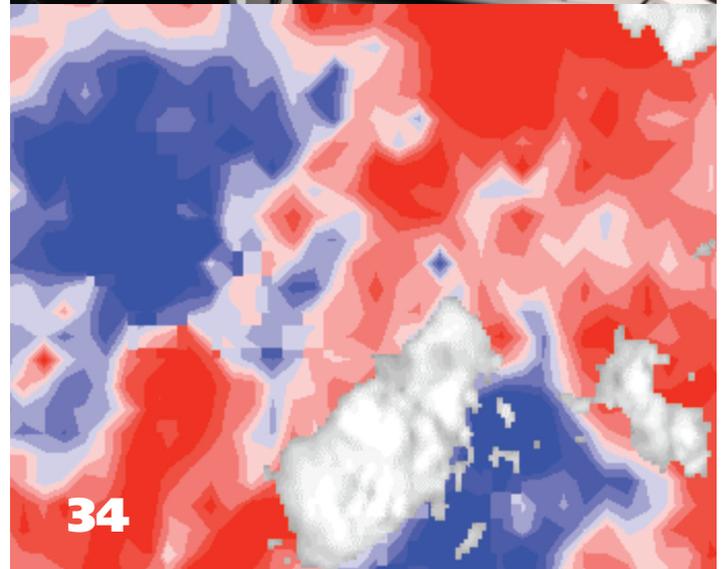
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UN Secretary-General Ban Ki-moon is searching for new solutions to global sustainability.

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A closer look at the debate about the availability of an essential plant nutrient and valuable commodity.
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Geoengineering is now part of mainstream vocabulary. Is it a solution to the problem or a solution with a problem?
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An analysis of the implications of ocean acidification for marine ecosystems and the economies they support.
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At last, South American palaeoclimate is receiving much-needed attention.
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Melting glaciers will affect societies and ecosystems. The impacts are region-specific and need careful evaluation.
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There is a strong link between soil moisture and storms in the dusty Sahel.



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Editor: Ninad Bondre  
[ninad.bondre@igbp.kva.se](mailto:ninad.bondre@igbp.kva.se)

Director of Communications: Owen Gaffney  
[owen.gaffney@igbp.kva.se](mailto:owen.gaffney@igbp.kva.se)

Graphic Designer: Hilarie Cutler  
[hilarie@igbp.kva.se](mailto:hilarie@igbp.kva.se)

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