

ORGANISATION AND INFORMATION

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AMSTERDAM GLOBAL CHANGE INSTITUTE (AGCI)

INTEGRATING KNOWLEDGE FOR
SUSTAINABLE SOCIETAL CHOICES



UNIVERSITY OF AMSTERDAM



MISSION

The Amsterdam Global Change Institute (AGCI) investigates the interactions between people, socio-economic change and the global environment. Through focused integrated research, AGCI contributes to informing and shaping sustainable societal choices and innovations for Europe and beyond.

PARTNERS

More than 250 researchers, covering the full spectrum of relevant disciplinary expertise, participate in AGCI. They represent the following departments and research groups from both VU University Amsterdam and University of Amsterdam:

VU UNIVERSITY AMSTERDAM

- * Institute for Environmental Studies (IVM), Faculty of Earth and Life Sciences
- * Climate and Earth Cluster, Department of Earth Sciences, Faculty of Earth and Life Sciences
- * Department of Ecological Science, Faculty of Earth and Life Sciences
- * Department of Spatial Economics, Faculty of Economics and Business Administration
- * Department of Political Science, Faculty of Social Sciences
- * Department of Transnational Legal Studies, Faculty of Law
- * Division of Organic Chemistry, Faculty of Sciences

UNIVERSITY OF AMSTERDAM

- * Amsterdam Business School, Faculty of Economics and Business
- * Amsterdam Centre for Environmental Law and Sustainability, Faculty of Law
- * Department of Political Science, Faculty of Social and Behavioural Sciences
- * Van 't Hoff Institute for Molecular Sciences (HIMS), Faculty of Science

RESEARCH PROGRAMMES

AGCI research is carried out in six programmes. More information at: research.agci.nl



CLIMATE SCIENCE AND ECOHYDROLOGY

Research leaders: Prof. Han Dolman, Dr. Peter van Bodegom, Prof. Hans Renssen
The complex feedback mechanisms in our earth system need to be better understood to assess the functioning of terrestrial and marine ecosystems under various drivers of global change.



RISK ANALYSIS, CHEMISTRY AND GENOMICS

Research leaders: Prof. Nico van Straalen, Dr. Juliette Legler, Prof. Jacob de Boer, Prof. Aart Kleijn, Prof. Koop Lammertsma
People and ecosystems are increasingly exposed to a multitude of pollutants for which a new generation of integrated and effective risk assessments is urgently needed, contributing to a more sustainable chemistry.



ECOLOGY AND ECOSYSTEM SERVICE ASSESSMENT

Research leaders: Prof. Jacintha Ellers, Prof. Jan Vermaat, Prof. Rien Aerts
Ecosystem services and their responses to global change demand improved understanding of interactions between their ecological, environmental and socio-economic elements.



ENVIRONMENTAL ECONOMICS AND RESPONSES TO GLOBAL CHANGE

Research leaders: Prof. Daan van Soest, Prof. Roy Brouwer, Prof. Cees Withagen
The economic consequences of global change underline the urgency of improved analysis of the complex trade-offs society faces in the search for optimal resource management strategies.



SPATIAL ANALYSIS AND RESOURCES MANAGEMENT

Research leaders: Prof. Peter Verburg, Prof. Piet Rietveld, Prof. Jeroen Aerts, Prof. Flip Witte
Management of land and resource use requires improved understanding of spatial patterns and temporal dynamics of ecosystem services across multiple scales.



GOVERNANCE AND POLICY STUDIES

Research leaders: Prof. Frank Biermann, Prof. Gary Marks, Prof. Henk Overbeek, Prof. Joyeeta Gupta, Prof. Gareth Davies, Prof. Rosa Uylenburg, Prof. Ans Kolk
Global change demands the development of new strategies and designs for effective, legitimate and equitable earth system governance.