

Coordinating Lead Authors, Lead Authors, and Review Editors

PART A: GLOBAL AND SECTORAL ASPECTS

Context for the AR5

Role	Name	Institution	Country/Organization
Ch. 1 — Point of departure			
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LA	Cecilia Conde	Centro de Ciencias de la Atmósfera, Universidad Nacional Autónoma de México	Mexico
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Ch. 2 — Foundations for decisionmaking			
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*Additional members may be added by the Working Group II Bureau for teams without the full complement of Lead Authors and Review Editors

**CLA = Coordinating Lead Author, LA=Lead Author, RE=Review Editor

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WGII AR5 Chapter Teams

Natural and Managed Resources and Systems, and Their Uses

Role	Name	Institution	Country/Organization
Ch. 3 — Freshwater resources			
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LA	Nigel Arnell	University of Reading	UK
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LA	J. Graham Cogley	Trent University	Canada
LA	Petra Doell	Goethe University Frankfurt	Germany
LA	Tong Jiang	China Meteorological Administration	China
LA	Shadrack S. Mwakalila	University of Dar es Salaam	United Republic of Tanzania
RE	Pavel Kabat	Wageningen University and Research Centre	Netherlands
RE	Igor Shiklomanov	State Hydrological Institute	Russian Federation
Ch. 4 — Terrestrial and inland water systems			
CLA	Robert John Scholes	Council for Scientific and Industrial Research	South Africa
CLA	Josef Settele	Helmholtz Centre for Environmental Research	Germany
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LA	Daniel Nepstad	Woods Hole Research Center	USA
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LA	Miguel Angel Taboada	Instituto Nacional de Tecnología Agropecuaria	Argentina
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RE	Jose Moreno	University of Castilla - La Mancha	Spain
RE	Terry Root	Stanford University	USA
Ch. 5 — Coastal systems and low-lying areas			
CLA	Inigo J. Losada	Universidad de Dantabria	Spain
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Role	Name	Institution	Country/Organization
Ch. 6 — Ocean systems			
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CLA	Hans-O. Portner	Alfred-Wegener-Institute for Polar and Marine Research	Germany
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LA	Daniela Schmidt	University of Bristol	UK
LA	Peter Zavialov	P.P. Shirshov Institute of Oceanology	Russian Federation
RE	Kenneth Drinkwater	Institute of Marine Research	Norway
RE	Alexander Polonsky	Marine Hydrophysical Institute of National Academy of Sciences	Ukraine
Ch. 7 — Food production systems and food security			
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CLA	Liyong XIE	Shenyang Agricultural University	China
LA	Andrew Challinor	University of Leeds	UK
LA	Kevern Cochrane	Food and Agriculture Organization	FAO
LA	Mark Howden	Commonwealth Scientific and Industrial Research Organization	Australia
LA	Muhammad Mohsin Iqbal	Global Change Impact Studies Centre	Pakistan
LA	David Lobell	Stanford University	USA
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Human Settlements, Industry, and Infrastructure

Role	Name	Institution	Country/Organization
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CLA	David Satterthwaite	International Institute for Environment and Development	UK
LA	Fernando Aragon	El Colegio de la Frontera Sur	Mexico
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LA	Robert B. R. Kiunsi	Ardhi University	United Republic of Tanzania
LA	Mark Pelling	King's College London	UK
LA	Debra Roberts	Ethekwini Municipality	South Africa
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Ch. 9 — Rural Areas			
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LA	Baris Karapinar	University of Bern	Switzerland
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LA	Katharine Vincent	Kulima	South Africa
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RE	Edward Carr	University of South Carolina	USA
Ch. 10 — Key economic sectors and services			
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CLA	Richard S.J. Tol	Economic and Social Research Institute	Netherlands
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Human Health, Well-Being, and Security

Role	Name	Institution	Country/Organization
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CLA	Alistair Woodward	University of Auckland	New Zealand
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LA	Yasushi Honda	University of Tsukuba	Japan
LA	Qiyong Liu	National Institute for Communicable Disease Control and Prevention, Chinese	China
LA	Jane Olwoch	University of Pretoria, Center for Environmental Studies	South Africa
LA	Boris Revich	Institute of Forecasting Russian Academy of Science	Russian Federation
LA	Rainer Sauerborn	Umeå University	Sweden
LA	Kirk Robert Smith	University of California	USA
RE	Ulisses Confalonieri	Oswaldo Cruz Foundation	Brazil
RE	Andrew Haines	London School of Hygiene and Tropical Medicine	UK
Ch. 12 — Human security			
CLA	Neil Adger	Tyndall Centre for Climate Change Research	UK
CLA	Juan Pulhin	University of the Philippine Los Baños	Philippines
LA	Jonathon Barnett	The University of Melbourne	Australia
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LA	Grete Hovelsrud	Center for International Climate and Environmental Research - Oslo	Norway
LA	Rajeswar Jonnalagadda	Dr. MCR Human Resource Development Institute of Andhra Pradesh	India
LA	Marc Levy	Columbia University	USA
LA	Ursula Oswald-Spring	Centro Regional de Investigaciones Multidisciplinarias, Universidad Nacional Autónoma de México	Mexico
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RE	Robin Leichenko	Rutgers University	USA
Ch. 13 — Livelihoods and poverty			
CLA	Lennart Olsson	Lund University	Sweden
CLA	Maggie Opondo	University of Nairobi, Kenya	Kenya
LA	Arun Agrawal	University of Michigan	USA
LA	Siri Eriksen	Norwegian University of Life Sciences	Norway
LA	Shiming Ma	Institute of Environment and Sustainable Development in Agriculture	China
LA	Tom Mitchell	Institute of Development Studies	UK
LA	Petra Tschakert	Pennsylvania State University	USA
LA	Sumaya Zakieldeen	Khartoum University	Sudan
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Adaptation

Role	Name	Institution	Country/Organization
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CLA	Ian Noble	The World Bank	Australia
LA	Yury Anokhin	Institute of Global Climate and Ecology	Russian Federation
LA	JoAnn Carmin	Massachusetts Institute of Technology	USA
LA	Dieudonne Goudou	High Commission of Niger Valley Development	Niger
LA	Felino Lansigan	University of the Philippine Los Baños	Philippines
LA	Balgis Osman-Elasha	African Development Bank	Sudan
LA	Alicia Villamizar	Universidad Simón Bolívar	Venezuela
RE	Anthony Patt	International Institute for Applied Systems Analysis	Austria
RE	Kuniyoshi Takeuchi	International Centre for Water Hazard and Risk Management	Japan
Ch. 15 — Adaptation planning and implementation			
CLA	Nobuo Mimura	Ibaraki University	Japan
CLA	Roger Pulwarty	National Oceanic and Atmospheric Administration	USA
LA	Do Minh Duc	Hanoi University of Science	Vietnam
LA	Ibrahim Elshinawwy	National Water Research Center, Egypt	Egypt
LA	Margaret Hiza Redsteer	U.S. Geological Survey	USA
LA	Johnson Ndi Nkem	United Nation Development Programme	Cameroon
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RE	Walter Vergara	The World Bank	The World Bank

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Role	Name	Institution	Country/Organization
Ch. 16 — Adaptation opportunities, constraints, and limits			
CLA	Richard Klein	Stockholm Environment Institute	Sweden
CLA	Guy Midgley	South African National Biodiversity Institute	South Africa
LA	Mozaharul Alam	United Nations Environment Programme	Bangladesh
LA	Frans Berkhout	VU University	Netherlands
LA	Kirstin Dow	University of South Carolina / Carolinas RISA	USA
LA	Yu'e Li	Chinese Institute of Environment and Sustainable Development in Agriculture	China
LA	Elena Mateescu	National Meteorological Administration	Romania
LA	Benjamin Preston	Oak Ridge National Laboratory	Australia
LA	Mary Rebecca Shaw	The Nature Conservancy	USA
RE	Habiba Gitay	The World Bank	Australia
RE	James Thurlow	International Food Policy Research Institute	South Africa
Ch. 17 — Economics of adaptation			
CLA	Muyeye Chambwera	International Institute for Environment and Development	Zimbabwe
CLA	Geoff Heal	Columbia Business School	USA
LA	Carolina Dubeux	Federal University of Rio de Janeiro	Brazil
LA	Stephane Hallegatte	CIREN and Meteo-France	France
LA	Liza Leclerc	Independent Consultant	Canada
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Multi-Sector Impacts, Risks, Vulnerabilities, and Opportunities

Role	Name	Institution	Country/Organization
Ch. 18 — Detection and attribution of observed impacts			
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LA	Maximilian Auffhammer	University of California, Berkeley	USA
LA	Christian Huggel	University of Zurich	Switzerland
LA	Ulf Molau	University of Gothenburg	Sweden
LA	Maria Assuncao Silva Dias	University of Sao Paulo	Brazil
LA	Andrew Solow	Woods Hole Oceanographic Institution	USA
LA	Daithi Stone	University of Cape Town	Canada
LA	Lourdes Tibig	The Manila Observatory	Philippines
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RE	Neville Smith	Bureau of Meteorology	Australia
Ch. 19 — Emergent risks and key vulnerabilities			
CLA	Maximiliano Campos	Organization of American States	Costa Rica
CLA	Michael Oppenheimer	Princeton University	USA
LA	Joern Birkmann	United Nations University - Institute for Environment and Human Security	Germany
LA	Wendy B Foden	International Union for Conservation of Nature	South Africa
LA	George Luber	Centers for Disease Control and Prevention	USA
LA	Brian O'Neill	National Center for Atmospheric Research	USA
LA	Kiyoshi Takahashi	National Institute for Environmental Studies	Japan
LA	Rachel Warren	University of East Anglia	UK
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RE	Sergey Semenov	Institute of Applied Geophysics	Russian Federation
Ch. 20 — Climate-resilient pathways: adaptation, mitigation, and sustainable development			
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RE	Walter Leal	Hamburg University of Applied Sciences	Germany
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PART B: REGIONAL ASPECTS

Role	Name	Institution	Country/Organization
Ch. 21 — Regional context			
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LA	Richard Jones	Met Office Hadley Centre	UK
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LA	Linda Mearns	National Center for Atmospheric Research	USA
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Regional Chapters

Role	Name	Institution	Country/Organization
Ch. 22 — Africa			
CLA	Isabelle Niang	University Cheikh Anta Diop of Dakar	Senegal
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LA	Mohamed Abdrabo	Institute of Graduate Studies and Research, University of Alexandria	Egypt
LA	Ama Essel	Korle Bu Teaching Hospital	Ghana
LA	Papa Demba Fall	University Cheikh Anta Diop of Dakar, Institut Fondamental d'Afrique Noire	Senegal
LA	Fatou Ndeye Gaye	Ministry of Forestry and Environment	Gambia
LA	Nsalambi Nkongolo	Lincoln University of Missouri	Democratic Republic of the Congo
LA	Marie-Louise Rakotondrafara	Madagascar National Weather Service	Madagascar
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Role	Name	Institution	Country/Organization
Ch. 23 — Europe			
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LA	Elena Georgopoulou	National Observatory of Athens	Greece
LA	Daniela Jacob	Max-Planck-Institute for Meteorology	Germany
LA	Eric Martin	Meteo-France	France
LA	Mark Rounsevell	University of Edinburgh	UK
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RE	Lucka Kazfez Bogataj	University of Ljubljana	Slovenia
RE	Roman Corobov	Independent Researcher	Republic of Moldova
RE	Joan Grimalt	Spanish Council for Scientific Research	Spain
Ch. 24 — Asia			
CLA	Yasuaki Hijioka	National Institute for Environmental Studies	Japan
CLA	Erda Lin	Agro-environment and Sustainable Development Institute	China
CLA	Joy Jacqueline Pereira	Universiti Kebangsaan Malaysia	Malaysia
LA	Richard Corlett	National University of Singapore	Singapore
LA	Xuefeng Cui	Beijing Normal University	China
LA	Gregory Insarov	Institute of Geography of the Russian Academy of Sciences	Russian Federation
LA	Rodel Lasco	World Agroforestry Center	Philippines
LA	Elisabet Lindgren	Karolinska Institutet	Sweden
LA	Akhilesh Surjan	United Nations University	India
RE	Rosa Perez	Ateneo de Manila University	Philippines
RE	Kazuhiko Takeuchi	United Nations University	Japan
Ch. 25 — Australasia			
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CLA	Andy Reisinger	Victoria University of Wellington	New Zealand
LA	Francis Chiew	Commonwealth Scientific and Industrial Research Organization - Land and Water	Australia
LA	Lesley Hughes	Macquarie University	Australia
LA	Paul Newton	AgResearch	New Zealand
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LA	Andrew Tait	National Institute of Water and Atmosphere	New Zealand
LA	Penny Whetton	Commonwealth Scientific and Industrial Research Organization - Marine and Atmospheric Research	Australia
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Role	Name	Institution	Country/Organization
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LA	Carlos Gay-Garcia	Centro de Ciencias de la Atmósfera, Universidad Nacional Autónoma de México	Mexico
LA	Preston Hardison	Tulalip Tribes of Washington	USA
LA	Patrick Kinney	Columbia University Mailman School of Public Health	USA
LA	Paul Kirshen	Battelle Memorial Institute	USA
LA	Paul Kovacs	Institute for Catastrophic Loss Reduction	Canada
LA	Barry Smit	University of Guelph	Canada
RE	Ana Rosa Moreno	School of Medicine, Universidad Nacional Autónoma de México	Mexico
RE	Linda Mortsch	Environment Canada	Canada
Ch. 27 — Central and South America			
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LA	Jean-Phillipe Boulanger	Institut de Recherche pour le Développement	France
LA	Marcos Buckeridge	University of Sao Paulo	Brazil
LA	Edwin Castellanos	Universidad del Valle de Guatemala	Guatemala
LA	Germán Poveda	Universidad Nacional de Colombia	Colombia
LA	Fabio Scarano	Conservation International	Brazil
LA	Sebastian Vicuna	Pontificia Universidad Católica de Chile	Chile
RE	Leonidas Osvaldo Girardin	Fundación Bariloche	Argentina
RE	Jean Ometto	National Institute for Space Research	Brazil
Ch. 28 — Polar Regions			
CLA	Oleg Anisimov	State Hydrological Institute	Russian Federation
CLA	Joan Nymand Larsen	University of Akureyri	Iceland
LA	Anne Hallowed	National Oceanic and Atmospheric Administration, National Marine Fisheries	USA
LA	Nancy Maynard	NASA Goddard Space Flight Center	USA
LA	Terry Prowse	Environment Canada and University of Victoria	Canada
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RE	Terry Chapin	University of Alaska Fairbanks	USA

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Role	Name	Institution	Country/Organization
Ch. 29 — Small Islands			
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CLA	Leonard Nurse	University of the West Indies	Barbados
LA	John Agard	University of the West Indies	Trinidad and Tobago
LA	Lino Pascal Briguglio	Islands and Small States Institute	Malta
LA	Rolph Payet	University of Seychelles	Seychelles
LA	Netatua Pelesikoti	Secretariat of the Pacific Regional Environment Programme	Samoa
LA	Emma Tompkins	Sustainability Research Institute	UK
LA	Arthur Webb	Pacific Islands Applied Geoscience Commission	Fiji
Ch. 30 — Open Oceans			
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CLA	Ove Hoegh-Guldberg	University of Queensland	Australia
LA	Peter G. Brewer	Monterey Bay Aquarium Research Institute	USA
LA	Victoria Fabry	California State University San Marcos	USA
LA	Karim Hilmi	National Institute of Fisheries Research	Morocco
LA	Sukgeun Jung	National Fisheries Research & Development Institute	Republic of Korea
LA	Svein Sundby	Institute of Marine Research	Norway
RE	Oumar Ly	INGESAHEL. SA	Senegal
RE	Carol Turley	Plymouth Marine Laboratory	EC