



**Confirmed new members of the UNISDR Science and Technology Advisory Group (STAG)  
2017-2018**

**21 members representing institutions and organizations, geographic regions, types of hazards, DRR disciplines, and stakeholders for the first-term of two years, renewable for one time only (2017-2018 and 2019-2020) and for the tasks specified in the Terms of Reference and the Science and Technology Roadmap<sup>1</sup>  
6 April 2018**

No	Name	Title and affiliation	Areas of expertise
<b>Asia region</b>			
1	<b>Dr. Royol Chitradon</b>	Director, Committee and Secretariat Hydro and Agro Informatics Institute (HAI), Ministry of Sciences and Technology, Thailand	Hydro and Agro Informatics <a href="http://www.csathailand.org/Profiles/RoyolChitradon.aspx">http://www.csathailand.org/Profiles/RoyolChitradon.aspx</a>
2	<b>Ms. Antonia Yulo Loyzaga</b>	Executive Director, Manila Observatory, Philippines	Atmospheric and earth science, Air quality, climate and extreme weather events ( <a href="http://www.observatory.ph/introduction/">http://www.observatory.ph/introduction/</a> )

<sup>1</sup> [http://www.unisdr.org/files/45270\\_unisdrscienceandtechnologyroadmap.pdf](http://www.unisdr.org/files/45270_unisdrscienceandtechnologyroadmap.pdf)

No	Name	Title and affiliation	Areas of expertise
<b>Pacific region</b>			
4	<b>Dr. Helene Jacot Des Combes</b>	Senior lecture, University of South Pacific, Fiji.	Ocean response to climate change and vulnerability of coastal areas, <a href="http://eugcca.usp.ac.fj/AboutUs/ProjectTeam/DrH%C3%A9l%C3%A8neJacotdesCombes.aspx">http://eugcca.usp.ac.fj/AboutUs/ProjectTeam/DrH%C3%A9l%C3%A8neJacotdesCombes.aspx</a>
<b>Latin America region</b>			
5.	<b>Dra. Lucía Guadalupe Matías Ramírez</b>	Deputy Director of the Flood Risks Department, National Disaster Prevention Center of Mexico and Associate Professor of Atmospheric Geography, National Autonomous University of Mexico	Consequences of tropical cyclone and heavy rainfall effects PhD. Geography (Environmental Risk). National Autonomous University of Mexico <a href="http://www.gob.mx/cenapred">http://www.gob.mx/cenapred</a>
6.	<b>Mr. Carlos Machado de Freitas</b>	Coordinator of the Study and Research Center for Emergencies and Disasters (CEPEDES), Brazil	Sustainability, Environment and Health <a href="http://edemocracia.camara.gov.br/web/cepedes-fiocruz/profile">http://edemocracia.camara.gov.br/web/cepedes-fiocruz/profile</a>
<b>Caribbean</b>			
7	<b>Dr. Victor Manuel García Lemus</b>	President of the Executive Board of the University Network for Latin America and the Caribbean (REDULAC)	Public Health with a concentration in Social Management, Environmental Sociology and sustainable development <a href="http://redulac.net/directorio/presidente.html">http://redulac.net/directorio/presidente.html</a>

No	Name	Title and affiliation	Areas of expertise
<b>USA</b>			
8	<b>Dr. Craig McLean</b>	Chief Scientist, National Oceanic and Atmospheric Administration (NOAA), USA	NOAA is an Agency providing direction for science and technology priorities for Oceanic and Atmospheric Research. Mr. McLean serves as the U.S. Representative to the Intergovernmental Oceanographic Commission (IOC), and as the Co-chair of the U.S. European Union Marine Working Group <a href="http://www.noaa.gov/about-our-agency">http://www.noaa.gov/about-our-agency</a>
<b>Europe region</b>			
9	<b>Mr. Ian Clark</b>	Head of Unit, Joint Research Centre of the European Commission. (JRC)	Multihazards, Cartography, Geoinformatics (GIS), Remote Sensing. JRC is actively involved in ISDR work <a href="https://www.researchgate.net/profile/Tom_De_Groeve">https://www.researchgate.net/profile/Tom_De_Groeve</a>
10	<b>Dr. Guoyi Han</b>	Research Fellow and Theme co-leader, Reducing Climate Risk- Managing Environmental Systems., Stockholm Environment Institute (SEI)	The Stockholm Environment Institute is an international non-profit research organization that has worked with environment and development issues from local to global policy levels for a quarter of a century. SEI works to shift policy and practice towards sustainability <a href="https://www.sei-international.org/staff?staffid=22">https://www.sei-international.org/staff?staffid=22</a>

No	Name	Title and affiliation	Areas of expertise
<b>Arab States region</b>			
11	<b>Dr. Wadid Erian</b>	Senior Advisor, Climate Change Adaptation and Disaster Risk Reduction, The League of Arab States Climate Risk Nexus Initiative "LAS CRNI" Programme Coordinator	Climate change adaptation and Drought expert
12	<b>Dr. Najla Romdhane</b>	University of Tunis El Manar, Department of Civil Engineering, Tunisia	Geotechnical, structural and earthquake engineering <a href="http://enit.academia.edu/NajlaRomdhane">http://enit.academia.edu/NajlaRomdhane</a>
<b>Africa region</b>			
13	<b>Dr. Thomas Kariuki,</b>	The African Academy of Sciences' Alliance for Accelerating Excellence in Science in Africa (AAS-AESA)	Multihazards and funding for research <a href="http://aasciences.ac.ke/about/our-organisation/staff/">http://aasciences.ac.ke/about/our-organisation/staff/</a>
14	<b>Dr Ailsa Holloway</b>	Director, Research Alliance for Disaster and Risk Reduction (RADAR), Stellenbosch University, South Africa	Emergency and Disaster Medicine, capacity development programs, Sociology and Advanced Nursing Studies Partner of IRDR <a href="http://www0.sun.ac.za/geography/people/">http://www0.sun.ac.za/geography/people/</a>

No	Name	Title and affiliation	Areas of expertise
<b>Research Consortium</b>			
15	<b>Prof. Hirokazu Tatano</b>	Secretary General, Global Alliance for Disaster Research Institutes (GADRI), Kyoto University. Professor and Head, Social Systems for Disaster Risk Governance, Disaster Prevention Research Institute, Kyoto University, Japan	Civil Engineering, Risk Management and Insurance Economics of natural hazards <a href="http://www.idrim.org/?page_id=309">http://www.idrim.org/?page_id=309</a>
16	<b>Dr. Eva Alisic</b>	Senior Research Fellow at Monash University and past co-chair of the Global Young Academy of IAP	Co-chair the IAP project on Improving Scientific Input to Global Policymaking: Strategies for Attaining the Sustainable Development Goals to develop a framework for action that strengthens the global science-policy interface
<b>Young Scientists</b>			
17	<b>Ms. Irina Rafliana</b>	Sociologist – Coastal Disaster Risks, Cooperation Division, Research Center for Oceanography, Indonesian Institute of Sciences (LIPI) and Research Associate, United Nations University – Environment and Human Security (UNU EHS)	Asia, Ocean Geography. tsunami and sea-related hazards Public education and campaign in coastal management and earthquake-tsunami related disaster preparedness (2000 – now) <a href="http://www.ioc-unesco.org/index.php?option=com_oa&amp;task=viewMemberRecord&amp;memberID=16300">http://www.ioc-unesco.org/index.php?option=com_oa&amp;task=viewMemberRecord&amp;memberID=16300</a>

18	<b>Ms. Annisa Triyanti</b>	Focal Point- Science-Policy Interface Platform on Disaster Risk Reduction (SPI-DRR) UN Major Group for Children & Youth Institute for Environmental Studies – Netherlands	PhD candidate in Amsterdam Institute for Social Science Research (AISSR). Junior lecturer in Department of Geography and Environmental Science, Universitas Gadjah Mada (UGM), Indonesia. <a href="https://nl.linkedin.com/in/annisa-triyanti-13289143">https://nl.linkedin.com/in/annisa-triyanti-13289143</a>
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No	Name	Title and affiliation	Areas of expertise
<b>International Organizations</b>			
19	<b>Dr. Maarten Van Aalst</b>	IFRC Climate Center	Atmospheric science, CCA, climate risk management <a href="http://www.climatecentre.org/about-us/our-people">http://www.climatecentre.org/about-us/our-people</a>
<b>UN Agencies</b> working on areas related science and technology for DRR			
20	<b>Dr. Flavia Schlegel</b>	Assistant Director-General for Natural Sciences of UNESCO	UNESCO is an international, inter-disciplinary cooperation in many aspects of disaster risk reduction. Operates at the interface between natural and social sciences, education, culture and communication
21	<b>Prof. Jakob Rhyner</b>	Vice Rector for UN University in Europe, Director of the United Nations Institute for Environment and Human Security (UNU-EHS)	UNU-EHS: research and educational activities of the institute which is focused on risks and adaptation related to environmental hazards and global change. <a href="http://ehs.unu.edu/experts/researchexperts/rhyner-jakob.html#profile">http://ehs.unu.edu/experts/researchexperts/rhyner-jakob.html#profile</a>

## **Bios of the members of the UNISDR Science and Technology Advisory Group (STAG)**

Prof **Najla Bouden-Romdhane**, *Professor of Geophysics at National School of Engineers of Tunis (ENIT) and Ecole Polytechnique de Tunisie (EPIT)*. Prof Bouden-Romdhane is the Senior advisor to Director General of Higher Education Reform at the Ministry of Higher Education and Scientific Research. She is also a member of various Steering Committees of numerous national programs related to education. She is a member of Scientific Associations and Working Groups inc. the European Association of Earthquake Engineering (EAEE), the North African Group for Earthquakes and Tsunami studies, the "Reducing Earthquake Losses in the Eastern Mediterranean Area Group", the "Foresight and Anticipation in Arab countries" Working Group and the Tunisian Higher Education Reform Promoters. She holds a State Doctorate in Civil Engineering (ENIT & Paris 6), a University PhD in geotechnical (Ecole des Mines de Paris) and is a graduate of the Ecole des Mines de Paris (Geological and Mining section) and the School of Public Works Paris (Studies Engineer). She is the recipient of the National Order of Merit of the Republic of Tunisia for the Education and Science sector (Chevalier in 2005 and Officer in 2016).

Dr **Royal Chitradon**, *Director at the Hydro and Agro Informatics Institute (HAIL), Ministry of Sciences and Technology in Thailand*. Prior to this, Dr Chitradon was the Deputy Executive Director at the National Electronics and Computer Technology Center, the Head of Thailand Integrated Water Resource Management (TIWRM) and Assistance Professor in the Computer Science Department at Kasetsart University. He sits on various Steering Committees both internationally and in Thailand.

**Mr Ian Clark**, *Head of Unit at the Joint Research Centre (JRC) of the European Commission*. Mr Clark joined the European Commission in 1984 and has worked in different capacities which includes the area of civil protection and disaster management. He was also a visiting scholar at the University of California, Berkley, Institute of Governmental Studies.

Prof **Andrew Collins** (Replacing Hirozaku Tatano), *Chair of the Board of Directors of the Global Alliance of Disaster Research Institutes (GADRI)*. Prof Collins is a Professor in Disaster and Development in the Dept of Geography at Northumbria University, UK. In 2000, he led the establishment of the world's first disaster management and sustainable development postgraduate programme and in 2004 launched the Disaster and Development Network (DDN). His international experience includes 3 years of volunteering in wartime Mozambique.

Dr **Eva Alisic**, *Associate Professor, Child Trauma and Recovery, University of Melbourne, and Co-chair of 'Science for Sustainable Development' (Inter Academy Partnership)*. Dr. Alisic is a trauma psychologist and social scientist conducting research into how children and families cope with traumatic events such as disaster and violence. She works with policy makers and clinicians to translate findings into practice to improve support for children and families. She is a former co-chair of the Global Young Academy and currently co-chairs the Inter Academy Partnership's 3-year project on 'Improving Scientific Input to Global Policymaking,' which aims to facilitate academics' contributions to achieving the UN Sustainable Development Goals.

Dr **Wadid Erian**, *Professor of soil science at Cairo University since 2001, Senior Advisor for Sustainable Development, Programme Coordinator of the League of Arab States - Climate Risk Nexus Initiative (LAS-CRNI) and Arab Geographical Information Room hosted by Arab Water Council (LAS-AGIR/AWC)*. Dr. Erian was a Senior Advisor, CCA and DRR at LAS (2014- 2016), consultant at World Bank (2016) and Senior

Advisor at UNDP in the ACRI (2014 – 2015); Director of Land and Water Uses division in the Arab Center for the studies of Drylands and Arid zones - ACSAD, (2002 – 2014); Member in UNISDR - GAR Advisory Board (2010- 2015); Lead Author in the IPCC/SREX WGII report (2009 – 2012); and Advisor and author of the World Bank Flagship Report, (2010 – 2012). He has a long list of applied researches and studies that covered more than 100 different countries in the world on the topics of “Drought, Land degradation, and Vegetation Cover, Land use planning and Natural Resource studies.

Dr **Ailsa Holloway**, *Director of the Research Alliance for Disaster and Risk Reduction (RADAR) at Stellenbosch University in South Africa*. RADAR provides Secretariat support to a twelve-member African university consortium called Periperi U that aims to advance disaster risk scholarship in Africa. Dr Holloway has varied experience in the fields of health, humanitarian assistance and higher education – with more than 30 years of programme management in Asia, Middle East and Africa. She has worked in public health in New Zealand, Khao I Dang refugee camp near the Cambodian border, in Bangkok with UNHCR, the Bataan refugee transit centre in the Philippines, various consultancies in Geneva with WHO and UNHCR and with UNDP in Sudan and Namibia. She has also worked in international humanitarian assistance in Iraq with UNHCR and in Zimbabwe as the International Federation of the Red Cross and Red Crescent Societies regional disaster preparedness delegate for southern Africa. She has co-authored several books on disaster risk reduction.

Dr **Helene Jacot Des Combes**, *Senior lecturer at the University of South Pacific in Fiji*. Dr Jacot Des Combes teaching interests besides disaster risk management include different aspects of ocean and marine ecosystem responses to climate change. She is a Lead Author of the Special Report on Oceans and Cryosphere nominated by Fiji (and Solomon Islands).

**Mr Victor Manuel Garcia Lemus** *President of the Executive Board of the University Network for Latin America and the Caribbean (REDULAC)*. Prior to this (among others) he was the Principal Representative before the National Liaison System and Table of Disaster Risk Management of the National Coordinator for Disaster Reduction (CONRED) and the Executive Secretary Disaster Commission at the University of San Carlos. He has consulted on disaster related issues in the Dominican Republic and Guatemala and was the Coordinator of the Risk Management and Disaster Prevention Project of the United Nations Volunteers Programme and USAC in Guatemala. He has a background in Medical Sciences and Public Health and since 1988 is a Full Professor at the Faculty of Medical Sciences at the University of San Carlos de Guatemala.

**Ms Irina Rafliana**, *Sociologist in the Coastal Disaster Risks, Cooperation Division, Research Centre for Oceanography, Indonesian Institute of Sciences (LIPI)*. Ms Rafliana is also a Research Associate at the United Nations University – Environment and Human Security (UNU EHS). She was the Chair of the Inter-ICG Task Team on Disaster Management for Tsunami and Sea-related Hazard Warning System and Chair of the Working Group for Tsunami awareness and emergency response for IOC UNESCO.

Prof **Jakob Rhyner**, *Vice Rector for the UN University in Europe and Director of the United Nations Institute for Environment and Human Security (UNU-EHS)*. Prof Rhyner is a Professor at the Agricultural Faculty of the Rheinische Friedrich-Wilhelms-University in Bonn. Prior to UNU, he served as the Director of the Swiss Federal Institute for Snow and Avalanche Research (SFL) in Davos and worked in industrial research for ABB Ltd. He holds a PhD and diploma in theoretical physics from the Swiss Federal Institute of Technology in Zurich.



**Prof Rajib Shaw**, *Professor at the Graduate School of Media and Governance at Keio University in Japan.* A Japanese national of Indian origin, Rajib Shaw served as a Professor in the Graduate School of Global Environmental Studies of Kyoto University before his current position. He is also the Senior Fellow of Institute of Global Environmental Strategies (IGES) Japan, and the Chairperson of SEEDS Asia, a Japanese NGO. Previously, Rajib Shaw was the Executive Director of the Integrated Research on Disaster Risk (IRDR). His expertise includes community-based disaster risk management, climate change adaptation, urban risk management, disaster and environmental education and resilience and innovation. He is the editor of a book series on disaster risk reduction, published by Springer. Prof. Shaw has published more than 45 books and over 300 academic papers and book chapters.

**Ms Annisa Triyanti**, *Representative of the Young Scientists in the UNISDR Science and Technology Advisory Group.* Ms Triyanti was the Focal point for UN Major Group for Children and Youth, Science-Policy Interface Platform on Disaster Risk Reduction (DRR) in 2016-2017. From 2013-2017, she was working as junior lecturer at the Faculty of Geography, Universitas Gadjah Mada, Indonesia. She is involved both in generating data collection through extensive fieldwork experience as well as in reporting process across different global frameworks, including SFDRR and SDGs. She is currently pursuing her PhD at the Amsterdam Institute for Social Science Research (AISSR)-University of Amsterdam, in the topic of governance of coastal ecosystem-based disaster risk reduction in Indonesia and India.

**Dr Maarten van Aalst**, *Director at the IFRC's Climate Centre.* Dr van Aalst was the Coordinating Lead Author for the IPCC special report on extremes and a Lead Author for the IPCC Fifth Assessment Report. He holds adjunct appointments at the International Research Institute for Climate and Society at Columbia University and the Dept of Science Technology, Engineering and Public Policy at University College London. Since completing his PhD in atmospheric science, he has worked on climate change adaptation and disaster risk management with various organisations including the World Bank, several regional development banks, the OECD, UNDP and several governments.

Dr. Guoyi Han is a Senior Research Fellow at the Stockholm Environment Institute. He specializes in nature-society synthesis in the areas of water resources, human dimensions of environmental change, hazard and disaster risk, and applications of Geographic Information System (GIS). His earlier research experience concentrated on watershed management in connection with non-point source water pollution control. Over the years, his research has expanded to include environmental impact assessment, regional environmental planning, risk analysis and hazard management, dynamic nature of vulnerability and resilience of human-environment systems. More recently, he has been focused on issues of transforming development and disaster risk; energy security and climate policy in China; China and its transition, and the broad environmental, resource and social implications of such transition to China and globally. Dr. Han holds a bachelor's degree in geography and a master's degree in environmental sciences, both from the Beijing Normal University. He received his doctorate degree in human geography from the Clark University, USA.

**Ms Antonia Yulo Loyzaga**, *Executive Director of the Manila Observatory in the Philippines.* Ms Loyzaga is the UNISDR ARISE Work Stream Leader for Higher Education and Training in the Philippines and a Technical Advisor to the Philippine Disaster Resilience Foundation. She is an adjunct faculty member of the Asian Institute of Management's Masters in Development Management Program. She has served as a member of the UNESCO National Commission's Science and Technology Committee.

**Craig Mclean**, *Acting Chief Scientist, National Oceanic and Atmospheric Administration (NOAA) Office of Oceanic and Atmospheric Research, USA.* Mr Mclean also serves as the Assistant Administrator for

Oceanic and Atmospheric Research. He also serves as the US Representative to the Intergovernmental Oceanographic Commission (IOC) and as the Co-Chair of the US-European Marine Working Group. Prior to this he served in NOAA as Acting Deputy Assistant Administrator of the National Ocean Service. Mr Mclean is also an attorney and has practiced marine resource law for NOAA and has been awarded the Dept of Commerce Silver and Bronze Medals, the NOAA Corps Commendation Medal and the Special Achievement Medal.

Dr **Flavia Schlegel**, *Assistant Director-General for Natural Sciences of UNESCO*. Dr Schlegel has a background in health and started her career as the Director of the AIDS section of the Swiss Federal Office of Public Health (Bern) and then the Director of Health Policy, Research and Education Division and Vice-Director, Head of the Public Health Directorate and Member of the Executive Board. She served as the Science Counselor for the US and Canada with the Embassy of Switzerland in Washington DC and was appointed Director of Swissnex China and Vice-Consul General based in Shanghai. China.

She has a Medical Doctorate from the University of Zurich and a Masters Degree in Organizational Development from the Institute of Interdisciplinary Research and Continuing Education of the Universities of Klegenfurt and Vienna (Austria).

Dr **Wadid Erian**, *Professor of soil science at Cairo University since 2001, Senior Advisor for Sustainable Development, Programme Coordinator of the League of Arab States - Climate Risk Nexus Initiative (LAS-CRNI) and Arab Geographical Information Room hosted by Arab Water Council (LAS-AGIR/AWC)*. Dr Erian was a Senior Advisor, CCA and DRR at LAS (2014- 2016), consultant at World Bank (2016) and Senior Advisor at UNDP in the ACRI (2014 – 2015); Director of Land and Water Uses division in the Arab Center for the studies of Drylands and Arid zones - ACSAD, (2002 – 2014); Member in UNISDR - GAR Advisory Board (2010- 2015); Lead Author in the IPCC/SREX WGII report (2009 – 2012); and Advisor and author of the World Bank Flagship Report, (2010 – 2012). He has a long list of applied researches and studies that covered more than 100 different countries in the world on the topics of “Drought, Land degradation, and Vegetation Cover, Land use planning and Natural Resource studies.

**Thomas Maina Kariuki**, PhD, *Director, Alliance for Accelerating Excellence in Science in Africa (AESA)*. Dr Kariuki, an immunologist and AAS fellow, is an award-winning scientist who worked at the institute of Primate Research/National Museums of Kenya in Nairobi, until his appointment at AESA in March 2015. He has also served as president and board member of a number of Africa-wide professional networks, including the Federation of African Immunological Societies, for which he is the immediate past president.