TERMS OF REFERENCE

Global Partnership using Space-based technology applications for disaster risk reduction – GP-STAR

In response to the calls for voluntary partnerships by UNISDRto supportthe implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030, the Global Partnership using Space-based technology applications for disaster risk reduction (GP-STAR) was launched during the World Conference on Disaster Risk Reduction in Sendai, Japan,on March 15, 2015. The partnership committed to fostering the use of Space-based Technologies and Applications and Earth observation in the context of the Sendai Framework for Disaster Risk Reduction 2015-2030 (Sendai Framework). In doing so, it will support the implementation of the Sendai Framework through, for example, providing advice to governments, organizations, and projects on the use of space technologies and applications in disaster risk reduction efforts, and the provision of relevant publications and discussion fora. The partnership shall integrate international, regional and national organizations involved in space science and technologies, Earth observation, disaster risk reduction and civil protection.

This document constitutes the Terms of Reference (ToR) for the GP-STARcommitted to fostering the use of Space-based technologies and applications as well as Earth observation in the context of the Sendai Framework and establishes the basic principles related to its function.

GP-STAR was established by entities and networks as indicated in ANNEX I as a voluntary commitment in the course of the working session on “Earth observation and High Technology to Reduce Risks” at the UN World Conference on Disaster Risk Reduction, 14-18 March 2015 in Sendai, Japan.

1. Purpose

The purpose of GP-STAR is to facilitate the use of space-based technology applications, including Earth observation, global navigation satellite systems and satellite telecommunications,through a variety of efforts including the provision of technical advisory support for application in the context of the Sendai Framework for Disaster Risk Reduction 2015-2030 (Sendai Framework).

2. Rationale

The Sendai Frameworkis an action-oriented framework for disaster risk reduction that builds on modalities of cooperation linking local, national, regional and global efforts. Space-based technology applicationsplay a key role in facilitating the implementation of the Sendai framework and represent a unique platform to support the Priorities for Action and the outcome, goal and global targets of the framework.

3. Scope

The GP-STARmay address the following objectives:

- Continue to facilitate the dialogue among stakeholders in EO, Satellite-based technologies and the global community of DRR experts and policy makers, including by the compilation and exchange of lessons learned regarding the use of such observations and technologies;
- Showcase possible contributions of space-based technology applications to disaster risk reduction as a way to raise awareness.
- Serve as a collective source and repository of information on efforts carried out worldwide by the EO and Satellite-based technology communities, including surveys and best practices to improve the applications of existing and emerging technology to monitor hazards, exposure and risks;
- Facilitate capacity building and institutional strengthening efforts to enhance the use of satellite-based technology applications in disaster risk reduction efforts and to monitor progress in the implementation of the Sendai Framework.
- Provide policy-relevant advice and information to contribute to the integration satellite-based technology applications into development process and public policies relevant to DRR, including by facilitating the incorporation of research and technology advances in the activities of the DRR community;
- Mobilize additional actors, stakeholders and resources to contribute to efforts conducted by the partnership worldwide.

Any specific cooperative activities endorsed by GP-STAR will be implemented through arrangements negotiated among Partners, pursuant to their applicable legal requirements and instruments.

4. Partnership

Partnership is open to all government agencies, regional and international organizations, universities, governmental, inter-governmental, United Nations entities, the private sector, financial institutions and non-governmental organizationsactive in the field of disaster risk reduction and / or Space technology applications.

New Partners may be included upona qualified majority of the Partners of GP-STAR (at least 75% if the partners).

Any Partner may withdraw its partnership at any time.The secretariat of the GP-STAR will regularly review partnerships.

Due to its voluntary nature, it is expected that the partners will contribute with in-kind resources and may affiliate their programs and activities which are relevant to the GP-STAR.

Each partner will nominate one staff member to serve as its representative in the partnership. Up to two, but at least one, alternate representative may be nominated as well.

5. Organizational structure

The GP-STAR is governed by the Chair and Co-Chair. The chairmanship of GP-STAR will rotate among the partners at bi-annual intervals. The Chair and Co-Chair will be nominated by partners and confirmed by a qualified majority of the partners (at least 75% of the partners) during the respective annual meeting of the partnership. The Chair of the Partnership will represent the GP-STAR in public events. UNOOSA through its UN-SPIDER programme will serve as the secretariat to the partnership.

The Secretariat serves the Chair and the Co-Chair.

TheChair and Co-Chair, supported by the secretariat,guide the activities of GP-STAR, namely:

- Organize the annual work plan;
- Establish and coordinates specific activities performed by working groups within GP-STAR (determines the scope of activity and objectives of each Working Group, appoint aresponsible speaker and second speakerfor each Working Group, monitors Working Groups' activities, decide action items and assigns them to Working Groups, determines when an action item is closed);
- At the recommendation of partners, suggest new areas of activity;
- Representthe partnership to other organizations;
- Suggest appropriate public release of outcomes;

All decisions within the partnership will be made by majority.

6. Meetings

The frequency and schedule of meetings will be established by the partners, and will be held at least once per year, preferably coinciding with other international meetings related to the Sendai Framework for disaster risk reduction or space technology conferences.

Efforts will be made so that the meetingsof the GP-STARwill be hosted by partners on a rotational basis. The secretariat in agreement with the host will be responsible for coordinating with the Chair the dates, location, and agenda of the meetings, and drafting and distributing the minutes of these meetings.

General in-house meeting arrangements will be borne by the hostingpartner.

Each partner will be responsible for the travel and subsistence of its representatives attending the meetings.

Virtual meetings (Videocon, Telecon) should be held at least on a quarterly basis and shall be organized by the secretariat.

7. Release of Outcomes

The activities of the GP-STARare designed to support the implementation of the Sendai framework for disaster risk reduction.The ultimate beneficiaries of GP-STAR are the United Nations Member States. Outcomes of special interest willbe released to the public after approval by the partners.

Release of such information may be accomplished via the GP-STARweb site, papers prepared for journals or conferences, via the news media, or other means.

8. Terms and Conditions

These ToRdemonstrate the mutual interest of the partners of the GP-STAR. These ToR do not establish any obligation or legal requirement to do so, nor do they establish any obligation to conduct any particular cooperative activity. Each partnershall provide its own resources for its activities. These ToR may be modified or terminated by a qualified majority.

ANNEX 1: Partners as announced on 18 March February 2015 during World Conference on Disaster Risk Reduction (WCDRR), Sendai.

Organisation	Point of Contact Name and E-Mail	Alternate Point of Contact Name and E-Mail
Chinese Academy of Sciences – the World Academy of Sciences Centre of Excellence on Space Technology for Disaster Mitigation (CAS-TWAS SDIM)	Mr. Fang Cheng chenfang@radi.ac.cn	
Committee on Earth Observation Satellites (CEOS)	Mr. Stéphane Chalifoux Stephane.Chalifoux@asc-csa.gc.ca,	Mr. Ivan Petiteville Ivan.Petiteville@esa.int
Disaster Management Centre of Sri Lanka (DMC)	Mr. SrimalSamansiri srimal@dmc.gov.lk	
European Commission, Copernicus	Mrs. Francoise Villette francoise.villette@ec.europa.eu	
German Aerospace Center (DLR)	Mr. Günter Strunz guenter.strunz@dlr.de,	Mrs. Christiane Lechtenbörger Christiane.lechtenboerger@dlr.de, Mr. Jens Danzeglocke jens.danzeglocke@dlr.de
Group on Earth Observations (GEO)	Mrs. Vanessa Aellen vaellen@geosec.org,	Mrs. Kerry Sawyer kerry.sawyer@noaa.gov
International Centre for Integrated Mountain Development (ICIMOD)	Mr. Mandira Shrestha Mandira.Shrestha@icimod.org	
International Water Management Institute (IWMI)	Mr. GirirajAmarnath A.Giriraj@cgiar.org	
International Working Group on Satellite Emergency Mapping (IWG-SEM)	Mr. Peter Zeil peter.zeil@sbg.ac.at	
Jaxa	Mr. Chu Ishida ishida.chu@jaxa.jp	
National Disaster Reduction Center of China (NDRCC)	Mrs. Li Suju lisuju@ndrcc.gov.cn	
National Emergency Commission of the	Mr. Pedro Xabiel Rodriguez xavier.rodriguez010@gmail.com	

Dominican Republic (CNE)		
Tohoku University, International Research Institute of Disaster Science (IRIDeS)	Mr. ShunishiKoshimura koshimura@irides.tohoku.ac.jp	
United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP)	Mr. Syed Ahmed syed.t.ahmed@un.org	
United Nations Institute forTraining and Research (UNITAR), UNITAR's Operational Satellite Applications Programme(UNOSAT)	Mrs. Valeria Drigo Valeria.DRIGO@unitar.org	
United Nations Office for Disaster Risk Reduction (UNISDR)	Mrs. ChadiaWannous wannous@un.org	
United Nations Office for Outer Space Affairs (UNOOSA) and United Nations Platform for Space-based Information for Disaster Management and Emergency Response (UN-SPIDER)	Mr. Joachim Post joachim.post@unoosa.org;	Mr. Juan Carlos de Villagrán de Léon juan-carlos.villagran@unoosa.org;
Worldbank GFDRR	Mrs. Allana Simpson asimpson1@worldbank.org	
World Meteorological Organization (WMO)	Mr. Alasdair Hainsworth ahainsworth@wmo.int	Mr. Joachen Luther jluther@wmo.int;
Food and Agriculture Organization of the United Nations	Mr. Oscar Rojas Oscar.Rojas@fao.org	

ANNEX 2: Organisations accepted as Partners on 02 December 2016:

Organisation	**Point of Contact**	**Alternate Point of Contact** **Name and E-Mail**

Ministry of Marine Affairs and Fisheries, Indonesia	Mr. Abdul Muhari abdul.muhari@gmail.com	
AgenciaEspacial Mexicana	Mr. Julio Cesar Castillo castillo.julio@aem.gob.mx	
Space Research Institute Ukraine (NASU-SSAU)	Mrs. NataliiaKussul nataliia.kussul@gmail.com	
United Nations Convention to Combat Desertification	Mr. Daniel Tsegai dtsegai@unccd.int	Mr. Utchang Kang ukang@unccd.int
International Society for Photogrammetry and Remote Sensing	Mrs. Lena Halounova halounov@gmail.com	

ANNEX 3: Organisations to be elevated as partners upon their communication and confirmation:

Organisation	**Point of Contact**	**Alternate Point of Contact** **Name and E-Mail**
Secure World Foundation	Mrs. Krystal Wilson kwilson@swfound.org	
Federal Office of Civil Protection and Disaster Assistance	Mr. Fabian Löw Fabian.Loew@bbk.bund.de,	Mrs. Stefanie Mey-Richters Stefanie.Mey-Richters@bbk.bund.de
Joint Research Center, European Commission	Mr. Tom De-Groeve Tom.DE-GROEVE@ec.europa.eu,	Mr. Jan Kucera jan.kucera@jrc.ec.europa.eu, Mr. Martino Pesaresi martino.pesaresi@jrc.ec.europa.eu
Central American Coordination Center for natural disaster reduction	Mrs. Maria Valle mvalle@cepredenac.org,	Mrs. María Eugenia Valle msoto@cepredenac.org
Disaster Management Training and Education Centre for Africa (Dimtec), South Africa	Mr. Andries Jordan ajjrdn@gmail.com	
University of Bonn, , Center for Remote	Mr. Klaus Greve klaus.greve@uni-bonn.de	

Sensing of Land Surfaces (ZFL)		
United Nations University - Institute for Environment and Human Security	Mr. JörgSzarzynski szarzynski@ehs.unu.edu	