

Secure World Foundation Capacity-Building Activities



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Introduction to SWF



- US-based operating foundation est. in 2004 that works with stakeholders worldwide to promote the secure, sustainable and peaceful uses of outer space
- **Focus areas**
 - space sustainability
 - space law and policy
 - **human and environmental security**
 - planetary defense
- **Methods:** informing, facilitating, promoting
 - Active participation in international space forums
 - Development of information resources
 - Implementation of meetings, workshops and events with diverse partners



HES Focus Area and WGCapD



- HES a valuable example of **why** long-term space sustainability is so critical
- HES effort focused on:
 - Facilitating dialogue and international cooperation
 - Promoting ways to increase effective use of space assets
 - Increasing awareness of benefits from space assets
- Since 2012, active participation in WGCapD a key element of this work
- HES activities implemented in collaboration with international and regional partners, including WGCapD, GEO, UNSPIDER, CRECTEALC, and more

Relevant SWF Activities in 2013-2014

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Inaugural CEOS/WGCapD RCMRD DEM Workshop

(May 2013 – Nairobi, Kenya)

- Partners: INPE, RCMRD, SANSA, USGS, NOAA
- Goal: Build capacity in East Africa region for use of satellite-derived digital elevation data (SRTM) with focus on hydrological models
- 11 participants
- SWF involved in efforts to continue DEM workshops

UN-SPIDER Germany Expert Meeting on Use of Space-based Info in Early Warning Systems *(June 2013 – Bonn, Germany)*

- Partners: UN-SPIDER, DLR, OOSA, Germany's BBK and BMWi
- Goal: Raise awareness, identify needs, lessons-learned in use of space-based info to improve early warning systems for natural disasters
- Participants from public and private disaster management communities

Relevant SWF Activities in 2013-2014

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Workshop on Use of Space Science & Tech for Disaster Prevention/Response in Mesoamerica (*November 2013 – Tuxtla Gutiérrez, Mexico*)

- Partners: CRECTEALC, MCTP, AIFOCEM, INAOE, GEO, NOAA, WGCapD
- Goal: Capacity building in Mesoamerica for expanded use of EO data (GEOSS, EOPOWER) for disaster management; focus on use of open-source data/analysis tools
- Led to follow-on activities in the region

UN/Belarus Workshop on Space Tech Applications for Socio-Economic Benefits (*November 2013 – Minsk, Belarus*)

- Partner: UN OOSA; fourth in series of workshops
- Goal: Increase awareness of socio-economic benefits of space tech among policy makers/ decision makers

Relevant SWF Activities in 2013-2014

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International Meeting on Food Security, Earth Observations and Agricultural Monitoring (*November 2013 – Brussels, Belgium*)

- Partners: EC, GEO Secretariat
- Goal: Assess global observation/ modeling capabilities and services needed to meet growing demand for agricultural production monitoring
- 100+ participants – sessions focused on GEOGLAM program and implementation, Global/regional/national agricultural monitoring activities



Relevant SWF Activities in 2013-2014

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Disaster Mitigation and Earth Observations: A GEOSS Perspective (*January 2014 – Geneva, Switzerland*)

- Partners: GEO Secretariat
- Goal: Bring together Earth Observation data/service providers and DRRM end users to identify challenges and opportunities in expanding use of EO in disaster-related decision making, particularly in developing countries
- 70+ participants, speakers from 12+ countries





Workshop on Open Source Software and Data in Disaster Prevention/ Response in Mesoamerica (*19-23 May 2014 – TBD*)

- Follow-on to Chiapas workshop
- Partners: CRECTEALC, INAOE, NOAA and others
- Goal: Developing capacity among natural disaster risk management decision makers in Mesoamerica
- Participants will learn about international capacity building activities and resources, data policy, legal requirements and best practices in the use of space technology in DRRM.
- Focus on open source data and software (Q-GIS, TerraMA²)



SWF committed to continued active role in WGCapD

SWF can leverage unique assets to support WG's efforts toward:

- Increasing awareness of benefits from use of space assets
- Facilitating international dialogue and cooperation
- Promoting use of space assets for human and environmental security



Thank you!

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