



## ***Workshop on the Use of Space Science and Technology for the Prevention of and Response to Disasters in Mesoamerica***

***19<sup>th</sup> – 22<sup>th</sup> November 2013, Tuxtla Gutiérrez, México***

### **PROGRAMME**

| <b>Date/Time</b>  |  | <b>Speaker</b>                                   |
|---|--|--|
| <b>19 Nov.<br/>(am)<br/>0830-0900</b>                             | <b>Registration</b>  |  |
| 0900-0945   | Welcome and Introductions  | MCTP, SWF, NOAA, NASA, CRECTEALC, INAOE, AIFOCEM |
| 0945-1000   | The Mesoamerican Centre for Theoretical Physics: an Introduction   | Eli Santos<br>MCTP                               |
| 10:00-10:30   | Coffee Break   |  |
| 10:30-10:45   | Introduction and objectives of the Workshop  | Organizers                                       |
| <b>Information needed for prevention, mitigation and response</b> |  |  |
| <b>Chair:</b>   |  |  |
| 10:45-11:15   | Measuring erosion and deforestation to prevent the impact of droughts and torrential rain                  | Patricio Estevez Nénninger<br>INAOE              |
| 11:15-11:45   | Case history – flooding/drought event in Guatemala<br>Information needed for disaster reduction activities | CONRED<br>(Invited)                              |
| 11:45-13:00   | Discussion on essential information needs  | Participants/Rapporteur                          |
| 1300-1430   | Lunch  |  |

| <b>Date/Time</b>    |  | <b>Speaker</b>                                  |
|---------------------|--|---|
| <b>19 Nov. (pm)</b> |  |   |
|                     | <b>Chair:</b>  |   |
|                     | <b>Use of Earth Observation data and GIS in flooding/drought events</b>                                      |   |
| 14:30-15:00         | Use of LEO and GEO EO images in prevention, mitigation and response to flooding/drought disasters            | Scott Madry<br>U. North Carolina at Chapel Hill |
| 15:00-15:30         | Use of geographical information systems for disaster reduction and response                                  | Scott Madry<br>U. North Carolina at Chapel Hill |
| 15:30-16:00         | Q/A and discussion on presentations  | Participants/Rapporteur                         |
| 1600-1630           | Coffee Break   |   |
| 16:30-17:00         | InaSAFE - a QGIS Plug-in for Disaster Management applications  | Scott Madry<br>U. North Carolina at Chapel Hill |
| 17:00-18:00         | Discussion on public domain software to assist in the disaster management cycle                              | Participants/Rapporteur                         |
| <b>20 Nov. (am)</b> |  |   |
|                     | <b>Chair:</b>  |   |
|                     | <b>Available resources for EO disaster reduction applications</b>  |   |
| 09:00-10:00         | Overview of GEO and the implementation of GEOSS - opportunities for Latin American and Caribbean involvement | Jacob Sutherlun,<br>NOAA                        |
| 10:00-10:30         | GEONETCast Americas - a near real time satellite-based data dissemination system                             | Jacob Sutherlun<br>NOAA                         |
| 10:30-11:00         | Q/A and discussion on presentations  | Participants/Rapporteur                         |
| 11:00-11:30         | Coffee Break   |   |
| 11:30-12:30         | ARSET - Webinar on Flood Monitoring using NASA Remote Sensing Data.  | Ana Prado<br>NASA (Video Presentation)          |
| 12:30-13:00         | Q/A and discussion on presentations  | Participants/Rapporteur                         |
| 1300-1430           | Lunch  |   |

**Date/Time**  
**20 Nov.**  
**(pm)**

**Speaker**

**Use of EO data and tools available for disaster management**

**Chair:**

|             |  |  |
|-------------|--|--|
| 14:00-15:00 | The CEOS DRM Flood Pilot using Sensor Web (and Q/A)    | Stuart Frye<br>(Video Presentation)    |
| 15:00-15:30 | Use of EO data in flooding/drought events              | Javier Saborio<br>Costa Rica           |
| 15:30-16:00 | Q/A and discussion on presentations                    | Participants/Rapporteur                |
| 1600-1630   | Coffee Break   |  |
| 16:30-17:00 | "SERVIR Disaster Activities in the Region",            | Joel Pérez F.<br>CATHALAC              |
| 17:00-17:30 | A Capacity Map Project – Creating National Inventories | Jesus Gonzalez/ J. Molina<br>CRECTEALC |
| 17:30-18:00 | Q/A and discussion on presentations                    | Participants/Rapporteur                |

**21 Nov.**  
**(am)**

**Use of EO data and tools available for disaster management**

**Chair:**

|             |  |  |
|-------------|--|--|
| 09:00-09:30 | Crowdsourcing – extracting useful information from general public inputs   | Scott Madry<br>U. North Carolina at Chapel Hill                              |
| 09:30-10:00 | Community Remote Sensing – tapping the knowledge of experts, volunteers and indigenous communities   | Ray Williamson<br>SWF  |
| 10:00-1030  | Socializing Technology for Natural Disasters – Tools for Rural Communities in Latin America  | Mayeli Sanchez<br>Colectivo ADA  |
| 10:30-11:00 | Q/A and discussion on presentations  | Participants/Rapporteur  |
| 11:00-11:30 | Coffee Break   |  |
| 11:30-12:00 | UNSPIDER - Institutionalizing the use of space-based information in the disaster management cycle  | Juan Carlos Villagrán<br>UN-SPIDER<br>(Video Presentation)                   |
| 12:00-12:30 | Q/A and discussion on presentations  | Participants/Rapporteur  |
| 12:30-13:00 | Hands on exercise – Use of meteorological data and open source software by rural communities [Continues through lunch period; box lunch for those participating in the exercise] | Mayeli Sanchez,<br>Colectivo ADA<br>and<br>Marta Villavicencio,<br>SocialGeo |

| <b>Date/Time</b>                       |   | <b>Speaker</b>   |
|--|---|--|
| 13:00-14:30                            | Lunch   |  |
| <b>21 Nov.<br/>(pm)</b>                |   |  |
| <b>Capacity building opportunities</b> |   |  |
| <b>Chair:</b>                          |   |  |
| 14:30-15:00                            | Overview of CEOS and its Working Group on Capacity Building and Data Democracy – opportunities for Latin American and Caribbean involvement | Jacob Sutherlun, NOAA  |
| 15:00-15:30                            | International data policies and practices – the need for national data policies   | Ray Williamson, SWF  |
| 15:30-16:00                            | Q/A and discussion on presentations   | Participants/Rapporteur  |
| 16:00-16:30                            | Coffee Break  |  |
| 16:30-17:00                            | TerraMA <sup>2</sup> - an operational open-source system to monitor warnings of environmental risks   | Eymar S. Silva Lopes<br>INPE, Brazil                           |
| 17:00-18:00                            | Hands-on exercise on TerraMA <sup>2</sup>   | Eymar S. Silva Lopes<br>INPE, Brazil                           |
| <b>22 Nov.<br/>(am)</b>                |   |  |
| <b>Capacity building opportunities</b> |   |  |
| <b>Chair:</b>                          |   |  |
| 09:00-09:30                            | The Chiapas Strategy for the Integrated Management of Disasters   | Luis M. García Moreno, D.G.<br>Inst. Protección Civil, Chiapas |
| 09:30- 10:00                           | The EOPOWER Project – participating in WP12 (Latin America)   | Sergio Camacho/Jose Guichard<br>CRECTEALC                      |
| 10:00-1030                             | An e-learning platform for EO/GIS applications  | Rogério Enriquez/ J. Molina<br>CRECTEALC                       |
| 10:30-11:00                            | Coffee Break  |  |
| 11:00-13:00                            | Preparation by participants of presentation to decision-makers  |  |
| 13:00-14:00                            | Lunch   |  |
| 14:00-16:00                            | Presentations by participants   |  |
| 16:00-16:30                            | Coffee break  |  |
| 16:30-17:30                            | Conclusions and Next Steps  | All participants   |
| 7:30-18:00                             | Closing   | Organizers   |

