



Monday, September 3rd

Session #	Title	Summary/Speakers
3.	Disasters End-to-End	Opportunity for the groups to introduce themselves, mission and talk briefly about their meetings over the next 1.5 days. Featuring leadership from CEOs, GEO, Global Flood Partnership and the Geohazards Session Lead.

Session #	Title	Summary/Speakers
4.	Work Committee on Earth Observation Satellites (CEOS): Working Group: Disaster Activity Showcase (All Welcome to Attend)	<p>The CEOS Disasters Working Group presents the results of its recently completed three-year pilots on floods, seismic hazards and volcanoes, as well as the recently Recovery approved Observatory for Hurricane Matthew impact in Haiti and the Landslide Pilot. The session will wrap up with a panel discussion on how to improve the use of EO for DRM. All are welcome.</p> <p>14:45 01 – Opening and welcome Stéphane Chalifoux, CSA Laura Frulla, CONAE</p> <p>15:00 02 – Tour de table of participants</p> <p>15:15 03 – CONAE Recent Projects and Presentation of Disaster-related activities in the context of future collaboration with the CEOS WG Disasters Laura Frulla</p> <p>15:45 04 – CEOS Pilots showcase (15 min each):</p> <ul style="list-style-type: none"> • Flood Pilot • Volcano Pilot • Seismic Hazards Pilot



		<ul style="list-style-type: none"> • Landslide Pilot • Haiti Recovery Observatory
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Session #	Title	Summary/Speakers
5	AmeriGEOSS Disasters Working Group Meeting	<p>14:45 01 – Opening and welcome Ana Medico, CONAE, Don Sullivan, NASA</p> <p>15:00 02 – Tour de table of participants</p> <p>15:10 03 – GEO and AmeriGEOSS Disasters</p> <ul style="list-style-type: none"> • What was it thought to be 2 years ago • What is it now • What is the vision for moving forward Barbara Ryan, GEO Secretariat <p>15:20 04 – Argentina Country Report, Sandra Torussio, CONAE</p> <p>15:30 05 – Brazil Country Report Cristhian Aguiar Reyes Morerira, INTEGRACAO</p> <p>15:40 06 – Chile Country Report Leonardo Espinoza Gho, ONEMI</p> <p>15:50 07 – GEOSS AIP Disasters Capacity Building Lucia Lovison, Afriterra Foundation Luciano Parodi, Chile MinRel</p> <p>16:00 Group Photo followed by break</p>

Session #	Title	Summary/Speakers
6	Global Flood Partnership/hydromet: Global/Regional Work and Science Results	<ul style="list-style-type: none"> - Overall Session Objectives: Introduction/presentation of available and relevant data and model simulations that exist to gain familiarity with capabilities, products, models, and other data being used at global to local scales - Discussion/presentation of what methods the community are currently using. - Outline and discuss challenges and opportunities that exist within current capabilities. - What data/models/products are needed to better facilitate hydro-meteorological applications within your institute / the region that the community may be able to develop/create/generate



		<p>14:45-15:00: <i>Introductions, setting the stage for the GFP/Hydro-met sessions</i></p> <p>Chairs: Juan Borus and Albert Kettner</p> <p>15:00-15:15 <i>Global Flood Analysis and Forecasting Using Satellite Rainfall Information Coupled with Land Surface and Routing Models</i></p> <p>Bob Kuligowski (NOAA),</p> <p>15:15 – 15:30 <i>NASA, MODIS NRT Automated Flood Mapping project</i></p> <p>Fritz Policelli (NASA), USA</p> <p>15:30-15:45 <i>Floods: The role of National Water Institute (INA) in the monitoring, mapping and response</i></p> <p>Juan Borus (National Water Institute) Argentina</p> <p>15:45-16:00 <i>Challenges and Opportunities in using EO Data for DRR: Can youth bridge the gap?</i></p> <p>Crystal Conway, GIS Engineer for the National Drainage and Irrigation Authority of Guyana, Guyana. Miguel & Nhilce, from the National Water Commission of Mexico</p> <p>16:00-16:15 <i>A Regional Hydromet Observatory in Córdoba</i> <i>Andres Rodriguez</i></p> <p>(Hidro-met Observatory of Cordoba), Argentina</p>
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Session #	Title	Summary/Speakers
7	Geohazards I: Regional Perspectives, Challenges and Solutions	2:45 Welcoming remarks Sandra Torrusio and Tim Stough



		<p>3:00 Juan Bazo, Red Cross Red Crescent Climate Centre, Peru <u>The Role of Red Cross Movement in Disaster Risk Reduction. Challenges, and Opportunities.</u></p> <p>3:15 Luis Lara PULGAR, SERNAGEOMIN, Chile <u>Coupled geohazards at Southern Andes: volcanism and crustal tectonics in a proposed GEO Supersite</u></p> <p>3:30 Gari Mayberry, USGS, USA <u>How the USGS-USAID Volcano Disaster Assistance Program and the Earthquake Disaster Assistance Team use remotely-sensed data for disaster risk reduction.</u></p> <p>3:45 Soledad Osoro BA VAAC, SMN, Argentina <u>Volcanic ash dispersion forecasting for hazard risk reduction</u></p> <p>4:00 Karl Feaux, UNAVCO, <u>The Plate Boundary Observatory, COCONet, TLALOCNet: Enhancing Geophysical Infrastructure and the Scientific Community across the Americas</u></p>
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Session #	Title	Summary/Speakers
8	Committee on Earth Observation Satellites (CEOS): Working Group: Disaster Activity Showcase (All Welcome)	<p>The CEOS Disasters Working Group presents the results of its recently completed three-year pilots on floods, seismic hazards and volcanoes, as well as the recently Recovery approved Observatory for Hurricane Matthew impact in Haiti and the Landslide Pilot. The session will wrap up with a panel discussion on how to improve the use of EO for DRM. All are welcome.</p> <p>04 – CEOS Pilots showcase (continued):</p> <ul style="list-style-type: none"> • Flood Pilot • Volcano Pilot • Seismic Hazards Pilot • Landslide Pilot • Haiti Recovery Observatory <p>Pilot leads</p> <p>05 – Panel and general discussion on the use of EO for improved Disaster Risk Management</p>



		Pilot leads are panel participants; moderators Stephane Chalifoux, Andrew Eddy
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Session #	Title	Summary/Speakers
9	AmeriGEOSS Disasters Working Group Meeting	<p>07 – Colombia Country Report Paula Contreras, Gestiondelriesgo</p> <p>08 – Ecuador Country Report Maria del Pilar Cornejo, Gestiondereisgos</p> <p>09 – Disaster Applications Science Alberto Setzer, INPE</p> <p>10 – Discussion on Group Charter and Terms of Reference All</p> <p>11 – Panel and general discussion on the use of EO for improved Disaster Risk Management in the Americas Country</p> <p>leads are panel participants; moderators Ana Medico, Don Sullivan</p>

Session #	Title	Summary/Speakers
10	Global Flood Partnership/Hydromet: Regional Work and Implementation	<p>16:30-16:45 Satellite data: Operative response during the hydro-met emergencies Andres Lighezzolo (CONAE), Argentina</p> <p>16:45-17:00 Brazil’s Flood Awareness System (GloFAS forecasting flood hazards) Marcio Moraes (CEMADEN), Brazil</p>



		<p>17:00-17:15 CAF’s GEOSUR Program: Access to spatial data published by organizations in Latin America and the Caribbean for a better planning.</p> <p>Jesus Suniaga (CAF), , Colombia</p> <p>17:15-17:30 Flood Risk Analysis in an Underserved Area of Chaco, Argentina and Identification of Mitigation Strategies.</p> <p>Barbara Albornoz, (Univ. Nacional del Nordeste), Argentina</p> <p>17:30-17:45</p> <p>Overview of how the US National Water Center (NWC) is/will be operating</p> <p>Sagy Cohen (Alabama Univ.), USA</p> <p>17:45-18:00 Improving high impact weather and climate prediction for societal resilience in Subtropical South America: Proyecto RELAMPAGO-CACTI</p> <p>Paola Salio (CIMA - DCAO), Argentina</p> <p>18:00 – 18:30 Discussion & poster presentations</p> <p>Posters: Raha Kimdavar Chairs: Juan Borus and Albert Kettner</p>
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Session #	Title	Summary/Speakers
11	Geohazards: Panel Discussion: Q&A on Regional Perspectives, Challenges and Solutions	<p>Moderator: Sebastian Garcia SEGEMAR (Argentina)</p> <ul style="list-style-type: none"> • Sebastian Garcia SEGEMAR (Argentina) • Juan Bazo, Red Cross Red Crescent Climate Centre (Peru) • Luis E. Lara, SERNAGEOMIN (Chile) • Gari Mayberry, USGS (USA) • Soledad Osoro, Buenos Aires VAAC, SMN (Argentina) • Karl Feaux, UNAVCO



Tuesday, September 4th

Session #	Title	Summary/Speakers
12	Synthetic Aperture Radar: Updates and New Mission for Disaster Applications	Objective: To transmit the updates related to SAR missions (current and future). These missions, because of its particular features, represent a valuable source of spatial information in disaster events and offer a varied type of solutions for all the phases of the different types of events experienced worldwide. The times indicated in the agenda correspond to the local times in Buenos Aires.
		08:30 10 Years of TerraSAR-X - Germany's SAR Missions Jens Danzeglocke, DLR
		08:39 RADARSAT Constellation Mission of the Government of Canada Stephane Chalifoux, CSA
		08:48 The NASA-ISRO SAR mission (NISAR) Falk Amelung, Univ. of Miami - NASA representative Theodora Papadopoulou, ARGANS - ESA representative
		08:57 Copernicus Sentinel-1 Mission
		09:06 The Italian COSMO-SkyMed constellation: status and future perspectives Simona Zoffoli, ASI
		09:15 SAOCOM Mission Laura Frulla, CONAE
09:24 SIASGE: ASI and CONAE Cooperation Laura Frulla, CONAE Simona Zoffoli, ASI		



Session #	Title	Summary/Speakers
13	Global, Regional, National and Local Disaster Management Agencies – Interagency Collaboration and Coordination Plenary	<p>Open discussions with disaster management agencies from all levels regarding successes and challenges of inter-agency collaboration and coordination. During this plenary, we will have a better understanding of how to improve interagency relationships and support during disasters.</p> <p>Paulo Fernandes – PDC Rodney Martinez – CIIFEN Pilar Ycaza - CIIFEN Martin Miguel Torres – Cascos Blancos Marcelo Abelheira – Defesa Civil – Cidade do Rio de Janeiro Lucas Bruno – CONAE (Tentative) Tim Callahan – USAID/OFDA (Tentative)</p>

Session #	Title	Summary/Speakers
14	CEOS Working Group Disasters Meeting	<p>Working Session (working meeting of the CEOS WG Disasters open to all CEOS Members and anyone involved in CEOS Disaster pilots or associated activities, or interested in joining these activities)</p> <p>09:30 06 – Outstanding WG business : MoM from teleconference #19: Review of open actions Andrew Eddy, Stéphane Chalifoux</p> <p>09:45 07 – Meeting objectives</p> <p>Discussion on final reporting on pilots –reports for volcanoes, floods and seismic hazards</p> <p>Moving forward with ongoing activities – GEO-DARMA, Haiti RO, Landslide Pilot, Geohazards Lab Stéphane Chalifoux, Andrew Eddy</p>



Session #	Title	Summary/Speakers
15	AmeriGEOSS Disasters Working Group Meeting	<p>Working Session (working meeting of the CEOS WG Disasters open to all CEOS Members and anyone involved in CEOS Disaster pilots or associated activities, or interested in joining these activities)</p> <p>09:30 AmeriGEOSS Disasters Group Status</p> <p>Stu Frye, NASA</p> <p>10:00 EO Systems Inventory Working Session</p> <p>Don Sullivan, NASA</p>

Session #	Title	Summary/Speakers
16	Global Flood Partnership/Hydromet: Discussion of Needs and Operational Activity Presentations	<p>9:30 - 9:45 Landslides in the city of Rio de Janeiro: the strategies before and during the rain</p> <p>Marcelo Abranches Abelheira, Municipal Civil Defense Technician in the Rio city government, Brazil</p> <p>9:45 – 10:00 Vulnerability Analysis and Adaptation increase in CAF’s member countries</p> <p>Adriana Cortés (CAF), Ecuador</p> <p>10:00-10:15 Flash Floods and Debris Flows on February 2017 in Chile - Cases of threat in areas of tourist interest</p> <p>Paola Ramirez, SEMAGEOMIN, paola.ramirez@sernageomin.cl, Chili</p> <p>10:15-10:30 Using Earth Engine to map floods then (5000+ Historic Flood Events) and now</p> <p>Beth Tellman (State Univ. of Arizona), USA</p> <p>10:30-10:45 Discussion Chairs: Luciano Vidal (SMN) & Fritz Policelli (NASA)</p>



Session #	Title	Summary/Speakers
17	Geohazards: Geodetic and Surface Deformation-Observations, Applications, Products and Best Practice	<p>Chair: Guillermo Toyos, CONAE</p> <p>9:30 Opening Remarks Speakers from CONAE and NASA</p> <p>9:45 Claudio Brunini, <u>The Argentinian - German Geodetic Observatory (AGGO)</u></p> <p>10:00 L. Sanchez, <u>Geodetic monitoring of surface deformation in Latin America</u></p> <p>10:15 Pablo Euillades (CEDIAC), <u>Multitemporal DInSAR for characterizing volcano deformation</u></p> <p>10:30 Dr. Falk Amelung, UMiami, <u>The Ecuador Geohazard Supersite: the contribution of InSAR for the mitigation of volcanic disasters</u></p>

Session #	Title	Summary/Speakers
18	Dialogues on Response and Resilience	Chair: Gabriel Parades

Session #	Title	Summary/Speakers
19	CEOS Working Group Disaster Meeting	<p>11:00 09 – Haiti RO – status, issues and next steps</p> <p>Brief report on results of pilot work to date</p> <p>Data use: presentation of projects from users (showcase key users and their results)</p> <p>Overview of data consumption by pilot team Frederic Moll</p> <p>Helene de Boissezon</p>



		12:00 10 – Geohazards Lab – status and next steps Philippe Bally Dorella Papadopoulou
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Session #	Title	Summary/Speakers
20	AmeriGEOSS Disasters Working Group	11:00 Organization of Group, Nominations for Chair/Co-Chair, Adoption of Charter and ToR Maria del Pillar Cornejo 12:00 Work Plan Next Steps Ana Medico

Session #	Title	Summary/Speakers
21	Fire Management Through Earth Observations	<p>Talk one: Title: INPE’s Fire Monitoring System and its Burned Area Landsat Product Presenter: Alberto W Setzer (INPE) -- National Institute for Space Research, Center for Weather Forecasting and Climate Studies; Environmental Engineering, Climatology, Meteorology Country: Brazil</p> <p>Talk Two: Title: Strengthening wildfire risk management in Bolivia with earth observations to support decisions and community engagement Presenter: Verónica Ibarnegaray: Fundación Amigos De La Naturaleza (FAN), Directora De Proyectos Country: Bolivia</p> <p>Talk Three: Title: Early Warning System for Fire Monitoring – Experiences in Peru Presenter: Eddy Mendoza, Conservation International; Coordinator de Ordenamiento Territorial Country: Perú</p> <p>Talk Four: Title: TBD</p>



		<p>Presenter: Fernanda García Ferreyra: Conea Ministry of Environment</p> <p>Talk Five</p> <p>Title: Overview of Forecast system for fire and fire risk monitoring</p> <p>Presenter: Mariano Gonzalez-Roglich: Conservation International; Director of Ecosystem Analysis, former head of Defensa Civil La Pampa</p> <p>Country: Argentina</p>
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Session #	Title	Summary/Speakers
22	Geohazards: Emerging Technologies: Observations, Applications, Products and Best Practices	<p>Chair: Tim Stough</p> <p>11:00 Manuela Elissondo: <u>Volcanic Ranking and Risk Maps in Argentina (SEGEMAR)</u></p> <p>11:15 Guillermo Toyos: <u>Satellite Remote Sensing of Volcanic Ash in Argentina (CONAE)</u></p> <p>11:30 Nickolay Krotkov, NASA, <u>Volcanic Ash and Gas Detection and Mapping</u></p> <p>11:45 Stefano Salvi, Technological Director, Centro Nazionale Terremoti, Istituto Nazionale di Geofisica e Vulcanologia, Roma Italy - <u>Science-Based Services for Disaster Risk Management: the Experience of the GEO Geohazards Supersite global Network</u></p> <p>12:00 Diego Melgar, UC Berkeley, <u>Earthquakes and Applications of GNSS for Early Warning</u></p> <p>12:15 Tim Stough, NASA, <u>The Transition from Research to Operations of GNSS-augmented Tsunami Early Warnings</u></p>

Session #	Title	Summary/Speakers
23	Dialogues on Response and Resilience	More Info coming

Session #	Title	Summary/Speakers



24	Linking Information, Decisions and Consequences: Reimagining Volcano Ash Warnings	<p>In this interactive session we will begin by exploring what we collectively think is at the core of the connection between Earth Observations (EO) and Disaster Risk Reduction (DRR), and then explore how early warnings can support or impair early action. Building on the forecasts associated with the recent eruption of the Sabancaya volcano in the Andes region of Peru, we will assess the options for improving the design and use of information for life-saving decisions - setting the foundations for new standard operating procedures for volcano ash fall plans for the humanitarian sector in the Americas.</p> <p>Presenter: Juan Bazo, Red Cross Red Crescent Climate Centre, Peru</p>
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Session #	Title	Summary/Speakers
25	CEOS Working Group Disasters Meeting	<p>14:45 Landslide Pilot – status, issues and next steps</p> <p>Brief report on results of pilot work to date Data use: presentation of projects from users (showcase key users and their results) Overview of data consumption by pilot team</p> <p>15:45 12 – GSNL Report Status & New initiatives</p>

Session #	Title	Summary/Speakers
26	Hydrometeorology and Agricultural Disasters: Sharing Best Practices Across the Region	<p>14:45-14:55 Introduction of attendees, objectives of session, definition of needs</p> <p>Chairs: Lori Schultz and Ramon de Elia</p> <p>14:55-15:20 Introduction of NASA water products and example of SPoRT R2O Lori Schultz, NASA MSFC/UAH, USA</p> <p>15:20 – 15:45 SMN presentation Luciano Vidal, Servicio Meteorologico Nacional (SMN), Argentina</p>



		15:45 – 16:15 Discussion on opportunities and needs Chairs: Lori Schultz and Ramon de Elia
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Session #	Title	Summary/Speakers
27	Humanitarian Mapping: Collaborations to Build Disaster Readiness	<p>Up to date maps are critical to building the resilience of a place to disaster for many reasons, including knowledge of population location, population size, and logistics routes - which are ever changing in disaster prone areas. Many organisations are working to achieve this in OpenStreetMap, and successful partnerships and collaboration is key to their success. The session will explore how international, national, and sub-national partnerships support resilience through humanitarian mapping, best practices, opportunities, and ways in which other organisations can best get involved. We will share experiences across government, NGO, commercial and community level partnerships.</p> <p>Presenters (Name, organization, country, presentation title):</p> <ul style="list-style-type: none"> • Rebecca Firth, Community and Partnerships Manager, Humanitarian OpenStreetMap Team - Colombia • Nate Smith, Humanitarian OpenStreetMap Team - Portugal • Miriam Gonzalez, OpenStreetMap Community LatAm, Humanitarian OSM Voting Member and Telenav Business development • Horacio Castellaro - Instituto Geográfico Nacional, Argentina

Session #	Title	Summary/Speakers
28	Interoperability of Spatial Information Systems in Disaster Risk Management	Disaster response capacity will be greatly enhanced if organizations involved in risk management can easily exchange information. Sharing data seamless and minimizing the need to process data will minimize the response time of decision makers in disaster risk management.



		<p>This session aims to share experiences from the region on the use of geospatial standards and best practices of interoperability for risk management. Topics such as the role of institutions, standards, interfaces, formats and examples of projects in the region will be discussed. The session will conclude with a panel discussion on future challenges and actions to improve the interoperability of spatial information systems for disaster risk management.</p> <p>2:50 - 3:10 Interoperability and Standards for Disaster Risk Management (Luis Bermudez – OGC, USA)</p> <p>3:10 - 3:30 Technological Network for Integrated Management of Disaster Risk and IDERA (Gabriela Ackermann, Graciela Defeo and Ignacio Gatti, Argentina)</p> <p>3:30 - 3:50 Earth Science Information Partners (ESIP) Strategies for Data Driven Decision Making in DRR (Susana Adamo - Columbia University, USA)</p> <p>3:50 - 4:15 Panel</p>
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Session #	Title	Summary/Speakers
29	CEOS Working Group Disasters Meeting	<p>16:30 12 – GSNL Report (continued) Status New initiatives Stefano Salvi</p> <p>17:00 13 – WG Communications Website review presentation Glossy Presentation Activities for 2018 Stephane Chalifoux</p> <p>17:30 14 – News from CEOS agencies TBD</p> <p>17:45 15 – Joint Session with AmeriGEOSS Disasters WG Stu Frye, David Green</p>



Session #	Title	Summary/Speakers
30	Private Sector and Foundations	Coming soon!

Session #	Title	Summary/Speakers
31	Data and Mapping Portals	<p>Demo of data and mapping portals available for disaster managers and open discussions of how these tools can and have been used in real world events.</p> <p>Paulo Fernandes – PDC Rich Frazier - Federal Geographic Data Committee</p>

Session #	Title	Summary/Speakers
32	Success Stories: Developing Local Disaster Resilience Strategies	<p>10-15 minute presentations focused on programs that work with local communities to develop disaster resilience projects followed by a panel discussion on how Earth Observations are (or could be) integrated into these programs and best practices for developing disaster resilience by local communities. The panel will answer 2 to 3 pre-identified questions. That will be followed by audience Q&A.</p> <p>Presenters (Name, organization, country, presentation title): Diego Ochoa, UN Development Programme, Colombia: The UN Development Programme Equator Initiative/Nature for Development Programme (Diego will also be the moderator) Jose Ines Loria Palma, Fundacion San Crisanto, Mexico: “SAN CRISANTO, UN PROYECTO DE DESARROLLO SUSTENTABLE” (San Crisanto, a sustainable development project) Veronica Ibarregaray, Fundacion Amigos De La Naturaleza, Bolivia: Manejo comunitario del fuego en el Bosque Seco Chiquitano y la Amazonía de Bolivia Eddy Mendoza, Conservation International, Peru: Entrenamiento con comunidades e instituciones locales – Sistema Alertas de Incendios.</p>



		<p>Eliot Levine, Mercy Corps, US – Developing micro-insurance products in Guatemala and innovative market development programming approaches to sustain Disaster Resilience and Reduction in Nepal.</p> <p>Laura Cristine, Liber Ero Fellow, University of British Columbia, Okanagan, Canada: Early-warning detection of risk through global change data integration for local communities</p> <p>Julia Chasco, Meteorology and Society Department, Argentina: Building risk reduction capacities with local communities</p>
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Session #	Title	Summary/Speakers
	<p>Challenges and opportunities for young professionals to bridge the gaps between producers and users of EO data/ technology</p>	<p>EO data has long provided scientists and researchers valuable insights into numerous phenomena and it has always helped to fill the data gap in many poorly observed areas.</p> <p>Can this young generation of socially aware and tech-savvy engineers, scientists, and volunteers bring about the change that is needed to ensure EO technology is usable on the ground for multiple users?</p> <p>This session will be an interactive inter-generational exchange that brings the perspectives and potential of young professionals working with EO data to the forefront. Together groups will highlight the challenges for using EO data in disaster prevention, preparedness and response and identify (potential) solutions for young people to bridge the divide. An action plan will then be developed that highlights mechanisms needed to further support young professionals and start tackling these challenges in their home countries.</p> <p>The session will be followed by a networking event in a nearby bar/restaurant which welcomes everyone interested in the tapping into the power of this generation of young professionals.</p>



Wednesday, September 5th

Session #	Title	Summary/Speakers
34	Building Capacity: Rapid Mapping for Disaster Response	<p>Every day we are witnesses of how places that usually do not appear on commercial maps are affected by different disasters. Commercial maps tend to be focused in areas where is a business model in return, for example through advertising. But what happen to locations without formal economies, or large national or international business presence? Using OpenStreetMap we try to see which areas of the world need to appear in a map, and help our volunteer community to map them, to become part of the largest Geographic database in the world. This has helped many humanitarian organisations and government to react faster and in a more efficient way to help people in need after a disaster. In this session we share the benefits of Open mapping drawing on experience from projects in Mexico and Ecuador, including:</p> <ul style="list-style-type: none"> • How we can work together to identify and map locations pre-disaster • How we coordinate rapid mapping for disaster response • How this data helps disaster mitigation and response including identifying the number of people affected, how to find ways to receive basic assistance and help the injured, how to identify logistics routes, and even to plan reconstruction based in the map data. <p>Presenters: Miriam Gonzalez - OpenStreetMap Community LatAm, Humanitarian OSM Voting Member and Telenav Business development</p>

Session #	Title	Summary/Speakers
35	International Charter/Copernicus EMS Overview	Coming soon!

Session #	Title	Summary/Speakers
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36	CEOS and AmeriGEOSS Working Group Disasters Meeting	16 – Final reporting for flood, seismic and volcano pilots (35 min presentation and 20 min discussion for each pilot) (Plenary 2017) Results (outputs and outcomes) Final data tracking from each pilot Success stories Way forward
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Session #	Title	Summary/Speakers
37	Drones/Aerial Imagery for Disaster Response	<ul style="list-style-type: none"> • Challenges for Disaster Managers to acquire aerial imagery pre/post-disaster • Using drones for Disaster Response • Case Study (from Ecuador) • Case Study (from Nepal) • OpenAerialMap • Drone Volunteer Community • Exchangeable Mission Plan <p>Speakers: Paulo Fernandes – PDC Nate Smith – HOTOSM Trevor Taylor - OGS</p>

Session #	Title	Summary/Speakers
38	Earth Science and GIS-Overview	More coming soon!

Session #	Title	Summary/Speakers
39, 44,47, 50	Training: SAR Tools for Change Detection,	This class will cover the basic theoretical concepts of synthetic aperture radar (SAR) including polarimetric and interferometric SAR. It will include either video demonstrations or hands-on exercises on how to access different types of SAR datasets, data pre-processing, and basic image



	Damage and Impact Mapping	<p>analysis including change detection. It will also include examples on the use of SAR data for damage and impact mapping. We will be using Sentinel-1 radar data for the hands-on exercises. This course is intended for participants that are familiar with remote sensing data.</p> <p>For more information, and to sign-up for this all-day session, please click here</p>
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Session #	Title	Summary/Speakers
40, 45, 48,51	Training: Wildland Fire: Developing Satellite Information for Managing Fires	<p>In this class, you will learn the types of data NASA has available to manage fires and where you can find these data. The class will include a: brief introduction to NASA fire data; Introduction to QGIS for this class; Fire scar mapping in QGIS; and a hands-on exercise using Firecast</p> <p>QGIS is an open-source software that was used to develop a tool that can be used to map fire perimeters using high-resolution Landsat data, which is freely available through the USGS. https://earthexplorer.usgs.gov/</p> <p>Firecast uses satellite observations to track ecosystem disturbances such as fires, fire risk conditions, deforestation, and protected area encroachment, and delivers this time-sensitive information to decision makers through email alerts, maps, and reports. http://firecast.conservation.org/</p> <p>We understand that attendees could be at different remote sensing levels, so during this training, we will try to strike a balance between providing the information one needs as a basis to move forward and also providing the information one needs for further development. We fully expect for an advanced class to be offered online through ARSET in 2018 that highlights the QGIS perimeter tool.</p> <p>For more information on this session, and to register, please click here.</p>



Session #	Title	Summary/Speakers
41	<u>CEOS and AmeriGEOSS Working Group Disasters Meeting</u>	Continuation of prior session

Session #	Title	Summary/Speakers
42	Getting Started with Disaster Resilience and Response Mapping	<p>Up to date maps are critical to building the resilience of a place to disaster. The Humanitarian OpenStreetMap Team (HOT) enables over 40,000 volunteers to create these maps in OpenStreetMap, a free, open-source map of the world. During the session, HOT will share their workflow post disaster, run a practical mapping exercise to train users how to edit OpenStreetMap data using iDEditor. At the end of the training session we will share ways in which the map data can be analysed in different tools also ESRI will participate showing tools to evaluate disaster risk.</p> <p>If possible, please bring a laptop to the session and Sign Up in advance to OpenStreetMap using the following link: https://www.openstreetmap.org/user/new</p> <p>Presenters:</p> <ul style="list-style-type: none"> ● Rebecca Firth, Community and Partnerships Manager, Humanitarian OpenStreetMap Team - Colombia ● Nate Smith, Humanitarian OpenStreetMap Team - Portugal ● Miriam Gonzalez, OpenStreetMap Community LatAm, Humanitarian OSM Voting Member and Telenav Business development ● Javier Distefano - ESRI/Aeroterra, Argentina



Session #	Title	Summary/Speakers
43	Delivery of Aid and Services- Emergency Management	More coming soon!

Session #	Title	Summary/Speakers
46, 49	Critical Partnerships and Relationships Before the Event. Building Disaster Readiness and Collaboration	<p>The session will explore what we are, how we relate and how we are complimentary. The session will include bonding activities, interactive sessions and participatory activities that enable the recognition and exploration of the challenges in how information links to decisions and consequences of not working together. The overarching goal is to link technical teams with disaster management teams, affording an opportunity for each to understand their respective skills and capacity.</p> <p>145-200 – Ice Breaker Exercise 200-245 – Interactive Exercise: Identifying Inter organizational challenges for linking information for decisions in disaster risk management 245-300 – Working Break: Participants will be granted a break with a goal to achieve during that time 300-315 – Reporting Back: After the working break, there will be a short, energizing reporting session 315-345 – Revisiting the Volcano Example: Building off the session from the day before, this session will allow for a more interactive exploration 345-445 – Story telling session: 3 perspectives from experience 445-500 – Working Break: Participants will be granted a second break. Similar to the first, they will be given a task 500-545 – Serious Game for Identifying challenges and prescribing solutions: Doctor/Patient</p>



Thursday, September 7th

Session #	Title	Summary/Speakers
52	Disaster Exercise Simulation Tabletop and After Action Analysis	<p>Exercise planning and engagement will provide all Summit attendees the opportunity to participate in a facilitated and simulated disaster scenario. The table top exercise design is intended to demonstrate, test and validate the end-to-end workflow and complex choreography among organizations.</p> <p>The exercise will</p> <ul style="list-style-type: none"> • Highlight good and effective practices, • Examine why certain tasks do not work well • Test adaptation to changing conditions and reinforce learning • Engage all stakeholders locally, regionally and internationally • Reflect important content of science and technology, • Validate what stakeholders can reach out for during all disaster management phases • Establish familiarity with complementary plans and policies • Review plans to improve practices <p>The scenario selected will address multi-hazard stresses for a regional geography and culture. The scope will target areas of greatest risk, disaster management plans, and determination of shortfalls.</p> <p>The exercise will include of a collective “after-action” evaluation, which will help identify strategies and integrated work plans, projects and pilots going forward.</p>



Friday, September 8th

Session #	Title	Summary/Speakers
53	Bringing It All Together	Opportunity to reflect on the week long Summit and being to discuss next steps and moving forward.

Session #	Title	Summary/Speakers
54	Integrating Regional Network Plans and Pilot Next Steps	Opportunity for joint work planning focusing on integrating regional plans and pilot next steps.