

## Expert Meeting on the Benefits of Space-based Applications for Environmental Monitoring and Humanitarian Affairs for Geneva-based UN and other International Organizations

12-13 May, 2016

Co-hosted by the United Nations Office for Outer Space Affairs (UNOOSA)  
and the Group on Earth Observations (GEO)  
Salle C1, at World Meteorological Organization (WMO)

### 12 May - Day 1

| Time        | Session                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| 09.30-10.15 | <p>Welcome and Opening Remarks</p> <ul style="list-style-type: none"> <li>• Robert Samors, Office of the Director, GEO Secretariat</li> <li>• Simonetta Di Pippo, Director<br/>United Nations Office for Outer Space Affairs (UNOOSA)</li> <li>• <i>The role of the UNOOSA Liaison Office in Geneva</i><br/>Luc St-Pierre, Chief, Space Applications Section, UNOOSA</li> </ul>                                                                                                                                                                            |
| 10.15-11.15 | <ul style="list-style-type: none"> <li>• <i>Setting the stage: "Next Generation" Humanitarian Mapping Using Satellite Imagery.</i><br/>Stefan Voigt, German Aerospace Center (DLR)</li> <li>• <i>GNSS (Global Navigation Satellite Systems) - Applications in Disaster Management (Tsunami Early Warning)</i><br/>Gerald Bawden, NASA</li> <li>• <i>Use of EO data in population modelling, global roads data development, global particulate matter (PM2.5) monitoring at CIESIN/Columbia University</i><br/>Greg Yetman, Columbia University.</li> </ul> |
| 11.15-11.30 | Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 11.30-13.00 | <ul style="list-style-type: none"> <li>• <i>Satellite technologies in Environmental and Humanitarian Applications- Where Are We Today?</i><br/>Peter Zeil, University of Salzburg</li> <li>• <i>Summary of Presentations; Takeaways</i><br/>Luc St-Pierre, UNOOSA</li> <li>• <i>Panel Discussion</i> (interactive technical Q&amp;A session between audience and all presenters)<br/>Moderated by Lorant Czaran, UNOOSA</li> </ul>                                                                                                                         |
| 13.30-14.30 | Lunch Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Time        | Session                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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| 14.30-15.45 | <ul style="list-style-type: none"> <li>• <i>Use of Earth observation data for Humanitarian Support</i><br/>Luca del Oro, UNITAR/UNOSAT</li> <li>• <i>Earth observation Applications at the European Space Agency</i><br/>Ivan Petiteville, European Space Agency/ESRIN</li> <li>• <i>Use of Space-based data at UNEP</i><br/>Pascal Peduzzi, UNEP/GRID-Geneva, Switzerland</li> <li>• <i>DigitalGlobe Data and Services in Support of Environmental Monitoring and Human Security - Overview and Open Data</i><br/>Iain McInnes, DigitalGlobe</li> </ul> |
| 15.45-16.00 | Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 16.00-17.30 | Software and data applications demonstrations by all presenters; Hands-on with various applications and imagery tools. Interventions or presentations by Geneva-based entities                                                                                                                                                                                                                                                                                                                                                                           |

### 13 May - Day 2

| Time        | Session                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| 09.00-11.00 | <ul style="list-style-type: none"> <li>• <i>The Eye on Earth Alliance and its Special Initiatives - space technologies aspects</i><br/>Viktor Lagutov, Central European University, Budapest</li> <li>• <i>Satellite Imagery in Humanitarian Work</i><br/>Josh Lyons, Human Rights Watch</li> <li>• <i>Using Copernicus data (Sentinels) in environment-related applications</i><br/>Guido Lemoine, European Commission Joint Research Center (JRC)</li> <li>• <i>Applications of Aerial Hyperspectral Imagery – Environmental Approach</i><br/>Gergely Hunyadi, Karoly Robert College, Gyongyos, Hungary</li> <li>• <i>Case Study on Global Health</i><br/>International Committee of the Red Cross</li> <li>• <i>Case study – FatMap (Misha Bopal)</i></li> </ul> |
| 11.00-11.20 | Coffee Break                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 11.20-12.30 | Panel Discussion on end-user requirements (interactive dialogue with expert presenters, Geneva-based UN and other international entities)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 12.30-13.00 | Conclusions and closing remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 13.00-14.40 | Lunch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 14.00-16.00 | Bilateral consultations, discussions (open)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |