

# Geospatial Technologies for Achieving SDGs – Demographic Considerations

June-July 2021  
(Time is indicated in CEST)

## PREPARATORY MODULE (14 June - 2 July)

### Monday, 14 June

10:00 - 11:00 **Welcome** by Viktor Lagutov (ISEPEI) and ISEPEI Team

### Tuesday, 15 June

10:00 - 11:30 Elizaveta Khazieva (CEU) - *Google Earth Engine Basics: Introduction to Google Earth Engine*

### Friday, 18 June

10:00 - 12:00 Pablo Vega (Trecasa) - *Exploring Sentinel data (workshop on using satellite imagery from European Missions)*

### Monday, 21 June

10:00 - 11:30 Elizaveta Khazieva (CEU) - *Google Earth Engine Basics: Working with satellite images*

### Wednesday, 23 June

10:00 - 11:30 Elizaveta Khazieva (CEU) - *Google Earth Engine Basics: Working with thematic data*

### Friday, 25 June

13:00 - 14:30 Armen Grigorian (UNDP) - *Critical infrastructure and Disaster Risk Reduction*

### Monday, 28 June

13:00 - 14:30 Anupam Anand (WorldBank/GEF) - *Open-source GIS solutions (qGIS) and their application*

### Thursday, 1 July

15:00 - 16:00 Susanne Winchell-Sweeney (Bard College) - *Taking a "Smellwalk": Field Collection & Data Visualization with Esri's Survey123 (Introduction and Survey Creation)*

### Friday, 2 July

10:00 - 12:00 Dilanthi Amaratunga (Huddersfield University) – *Urban Disaster Risk Reduction and how they contribute to the Sustainable Development Goals*  
Helena Monteiro (UNDRR) - *Making Cities Resilient 2030 – How organisations and partners can support cities in building their urban resilience*  
Olga Shashkina (UNDRR) - *Disaster Resilience Scorecards and Local Resilience Strategy Development: The Central Asia Initiative*

15:00 - 16:00 Susanne Winchell-Sweeney (Bard College) - *Taking a "Smellwalk": Field Collection & Data Visualization with Esri's Survey123 (Visualizing Survey Data)*

## CORE MODULE (5-9 July)

### Monday, 5 July

9:00 - 10:30 Viktor Lagutov (ISEPEI), Lorant Czaran (UNFPA) - *Setting the stage*  
 9:00 - 10:30 Lorant Czaran (UNFPA) - *The 2030 Agenda for SDGs: why is demographic data needed*  
 10:30 - 11:00 *Coffee Break*  
 11:00 - 12:30 Alan Belward (European Commission's Joint Research Center) - *Introduction to satellite imagery and remote sensing*

### Tuesday, 6 July

9:00 - 10:30 Ed Parsons (Google) - *"Real Time" data needs and consumer Geo applications*  
 10:30 - 11:00 *Coffee Break*  
 11:00 - 12:30 Douglas Cripe (Group on Earth Observation) - *Earth Observations to inform decision-making for the Benefit Society*

### Wednesday, 7 July

9:00 - 10:30 Lorant Czaran (UNFPA) - *GRID3 Project (Geo-Referenced Infrastructure and Demographic Data for Development): complementing population data where needed*  
 10:30 - 11:00 *Coffee Break*  
 11:00 - 12:30 Pablo Vega (Trecasa) - *Introduction to the use of Sentinel-2*

### Thursday, 8 July

9:00 - 10:30 Masahiko Nagai (Yamaguchi University) - *Space Data Utilization for Achieving SDGs*  
 10:30 - 11:00 *Coffee Break*  
 11:00 - 12:30 Stefan Kienberger (Z\_GIS) - *The opportunities of Geoinformation for participatory-enabled social vulnerability and risk assessments*

### Friday, 9 July

9:00 - 10:30 Jozsef Benedek (Babeş-Bolyai University) - *Proposing a universal "SDG Index": methodology and application in Romania*  
 10:30 - 11:00 *Coffee Break*  
 11:00 - 12:00 Attila Lazar (University of Southampton/WorldPop) - *High resolution population estimation using geospatial data*  
 12:00 - 12:30 Viktor Lagutov, Lorant Czaran - *Course wrap up*