



# 13<sup>TH</sup> INTERNATIONAL ISG SCHOOL

"THE DETERMINATION AND USE OF THE GEOID"

OCTOBER 13<sup>TH</sup> – NOVEMBER 17<sup>TH</sup>, 2021

# **13<sup>th</sup> International ISG School**

## **October 13<sup>th</sup> – November 17<sup>th</sup>, 2021**

The International Service for the Geoid (ISG), in cooperation with the Department of Geodesy and Geodynamics Research and Development in Ethiopian Space Science and Technology Institute (ESSTI) of Addis Ababa (Ethiopia), has organized the 13th International School on “The Determination and Use of the Geoid”.

Due to the COVID-19 pandemic, for the first time, the School was held online, on MS Teams platform, from 13th October to 17th November 2021.

In total, 35 people attended the School, including PhD students, researchers and professionals. Among the attendees, a group of 13 people was hosted in Addis Ababa at ESSTI premises, for local support; 8 attendees were connected from Europe; 6 from the USA; 3 from Peru; 2 from Argentina; 2 from Morocco and 1 from Nepal. All participants received a certificate of attendance.

The schedule was planned trying to match the different time zones.

**Organizing Committee:** Dr. Daniela Carrion (ISG, Politecnico di Milano), Prof. Mirko Reguzzoni (ISG, Politecnico di Milano), Prof. Riccardo Barzaghi (ISG, Politecnico di Milano), Dr. Eyasu Leta Alemu (ESSTI).

**Lecturers:** Prof. Fernando Sansò (Politecnico di Milano, Italy), Prof. Nikos Pavlis (National Geospatial Intelligence Agency, USA), Prof. Rene Forsberg (National Space Insitut, DTU, Denmark), Prof. Riccardo Barzaghi (Politecnico di Milano, Italy), Prof. Hussein Abd-Elmotaal (Minia University, Egypt), Prof. Yan Wang (NGS, NOAA, USA), Prof. George Vergos (Aristotle University of Thessaloniki, Greece), Prof. Laura Sanchez (Technische Universität München, Germany).

# School Program

Time reference: CEST/CET

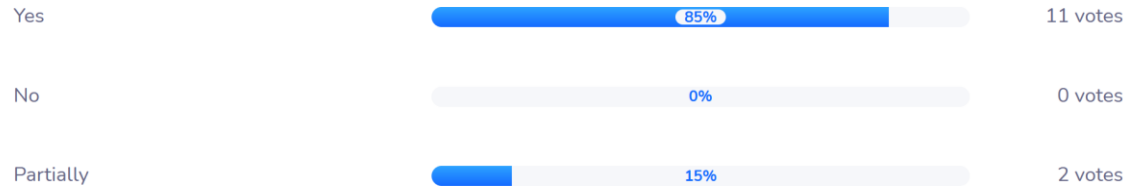
Wednesday 13/10/2021	14:00	18:00	Prof. Fernando Sansò	General theory on gravity field
Friday 15/10/2021	14:00	18:00	ISG staff	Check of software installation on attendee's computers
Monday 18/10/2021	14:00	18:00	Prof. Nikos Pavlis	Global geopotential models
Tuesday 19/10/2021	14:00	18:00	Prof. Nikos Pavlis	Practical exercises: global geopotential models
Wednesday 20/10/2021	14:00	18:00	Prof. Rene Forsberg	Terrain effect computation and remove/restore, including practical exercises
Thursday 21/10/2021	14:00	18:00	Prof. Riccardo Barzaghi	Residual geoid estimation
Friday 22/10/2021	14:00	18:00	Prof. Riccardo Barzaghi	Practical exercises: residual geoid estimation
Tuesday 26/10/2021	14:00	18:00	Prof. Hussein Abd-Elmotaal Prof. Yan Wang Prof. George Vergos	The African Geoid project The Colorado experiment The computation of the Mediterranean Geoid
Wednesday 17/11/2021	14:00	18:00	Prof. Laura Sanchez	The height datum unification

# Satisfaction questionnaire



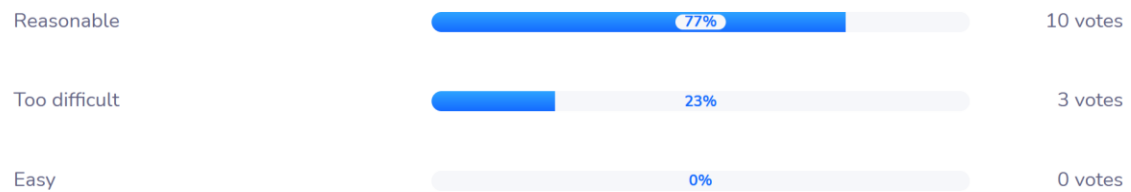
## 1. Did the course meet your expectations?

13 participants



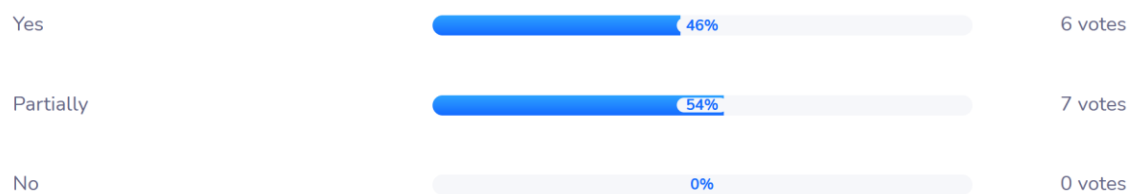
## 2. Was it difficult?

13 participants



## 3. Did you have enough background knowledge to understand the presented topics?

13 participants



## 4. Was the material supporting the lectures satisfactory?

13 participants



13 participants

38%

38%

62%

0%

0%

13 participants





Picture of the online classroom