



UNITED NATIONS
Office for Outer Space Affairs



Massive Open Online Course (MOOC) on Geospatial Applications for Disaster Risk Management

Developed and launched by UNOOSA/UN-SPIDER and CSSTEAP

WELCOME TO MASSIVE OPEN ONLINE COURSES (MOOC)

Geospatial Applications for Disaster Risk Management
Free and Self-paced learning



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MOOC contributors



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20 Sessions from 18 Speakers of 16 Organisations

1. United Nations Office for Outer Space Affairs (UNOOSA), Austria
2. Centre for Space Science and Technology Education for Asia and the Pacific (Affiliated to the United Nations), India
3. UN Economic and Social Commission for Asia and the Pacific (ESCAP)
4. Indian Space Research Organization
5. German Aerospace Center (DLR)
6. Joint Research Centre, Italy
7. International Water Management Institute (IWMI), Sri Lanka
8. Delta State University, United States of America
9. University of Salzburg, Austria
10. Ruhr-University Bochum (RUB), Germany
11. Central Building Research Institute (CBRI), India
12. Maxar Technologies, Singapore
13. Indian Meteorological Department (IMD), India
14. Indonesian National Institute of Aeronautics and Space (LAPAN), Indonesia
15. Vasundharaa Geo Technologies, India



Dr. Sanjay Srivastava



Prof. Talbot Brooks



Dr. Shirish Ravan



Dr. S P Aggarwal



Dr. Valerie Graw



Jens Danzegkl



Ms. Annett Wania



Dr. P.V.N. Rao



Dr. P.K. Champati Ray



Mr. C.M. Bhatt



Mr. Abhineet Jain



Dr. Stefan Klienb





Track 1: Basic module

Suitable for the wide range of participants without expertise in geospatial technologies and disaster management

Track 2: Advanced module

Aims at developing skills in using technologies for disaster management and emergency response

- **Module 1:** Overview of Disaster Risk Management & relevance of geospatial technologies
- **Module 2:** Earth observation and disaster management
- **4 Use cases:**
 - Landslide hazard assessment,
 - Flood hazard assessment,
 - Post disaster damage assessment and
 - Vulnerability assessment

- **Module 3:** Earth Observation and Geospatial Intelligence for Disaster Management
- **Module 4:** EO system and Hydro-meteorological disasters
- **Module 5:** EO system and geological disasters
- **Module 6:** EO system and environmental disasters
- Several hands-on sessions for each module
- Each session is linked to the 'recommended practices' on the UN-SPIDER knowledge Portal

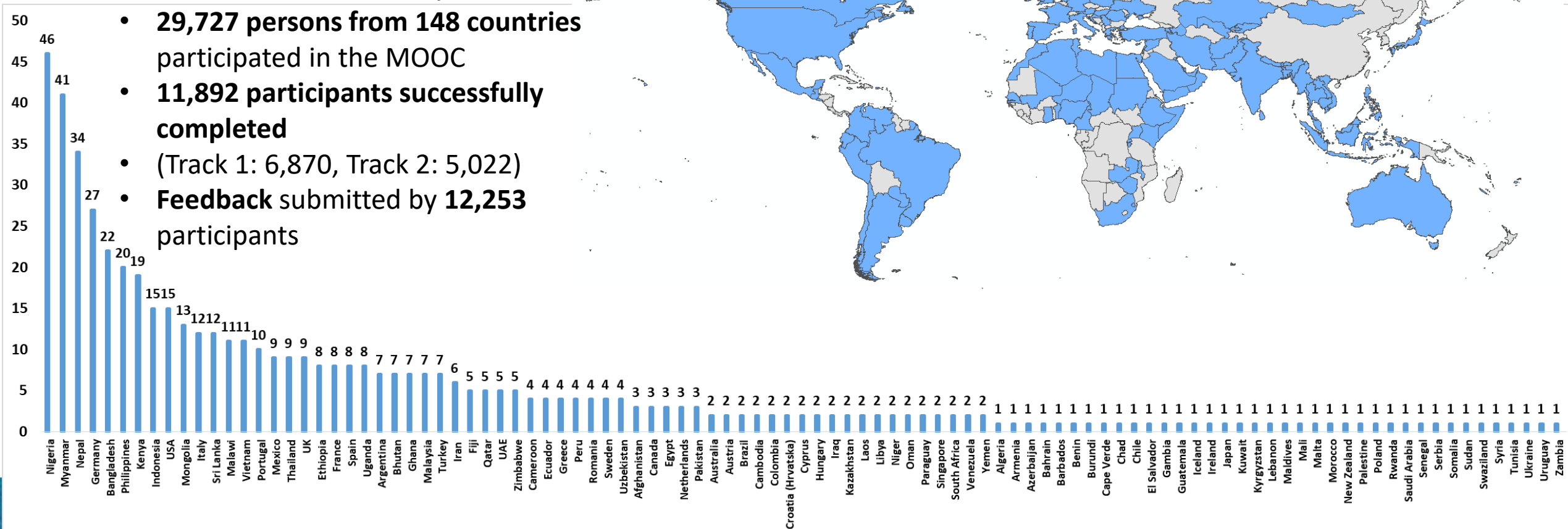
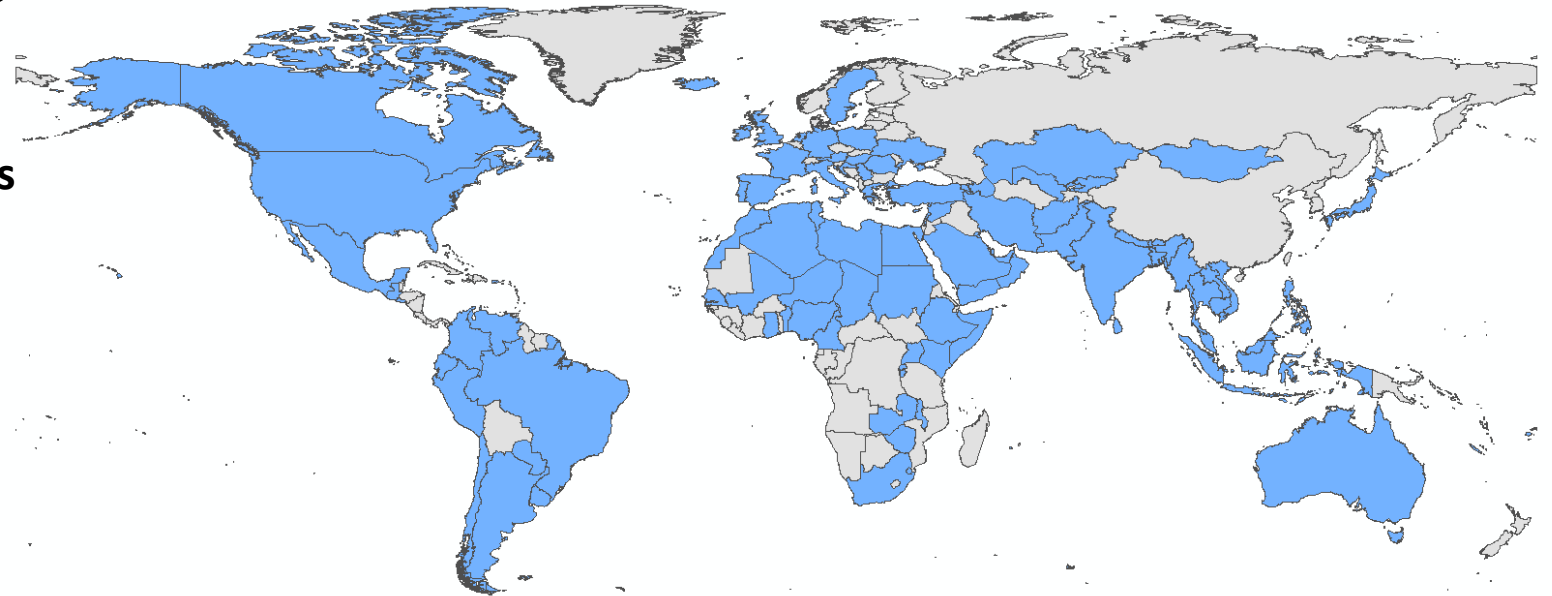
MOOC progress



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- **Launched** on the **International Day for Disaster Reduction** (13 October 2020)
- **Closed** on 31 January 2021
- **29,727** persons from **148** countries participated in the MOOC
- **11,892** participants successfully completed
- (Track 1: 6,870, Track 2: 5,022)
- **Feedback** submitted by **12,253** participants



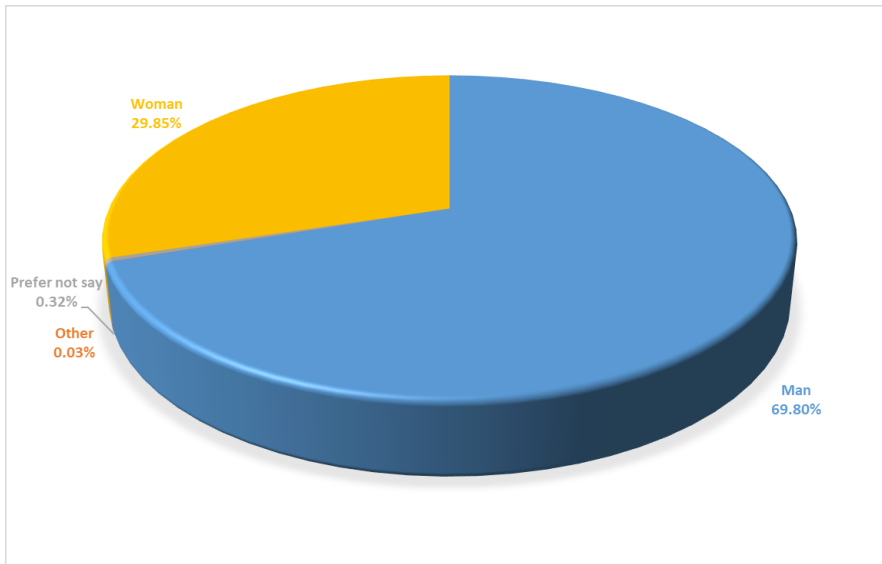
MOOC Participation



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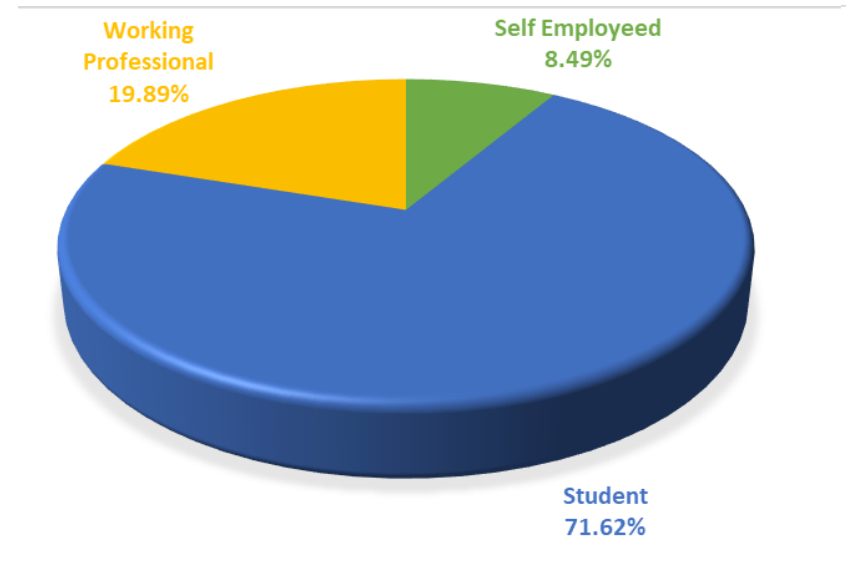


Aggregation by Gender



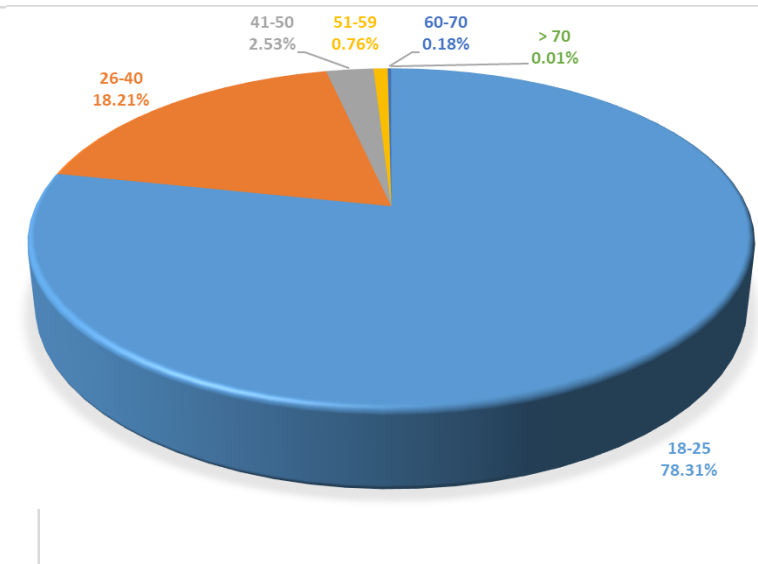
70 % Men
30 % Women

Aggregation by profession



72 % students
20 % professionals
8 % self employed

Aggregation by Age



78 % age group 18-25
18 % age group 26-40
Rest- above 40

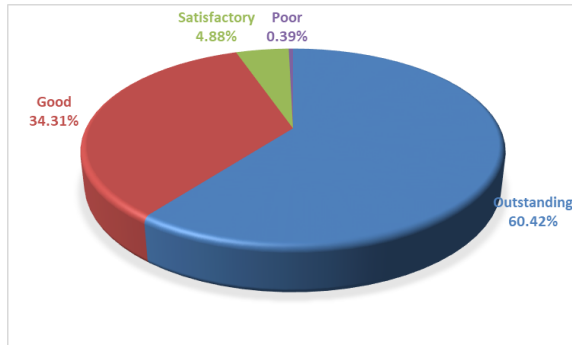
MOOC Feedback



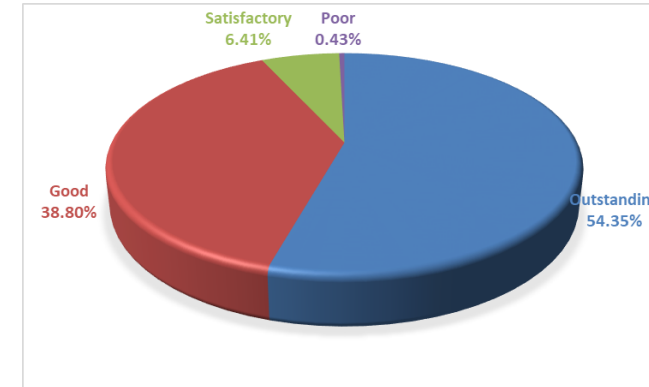
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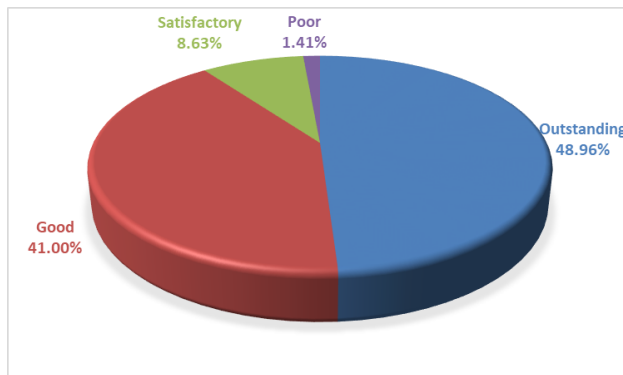
How do you rate the overall MOOC based learning experience?



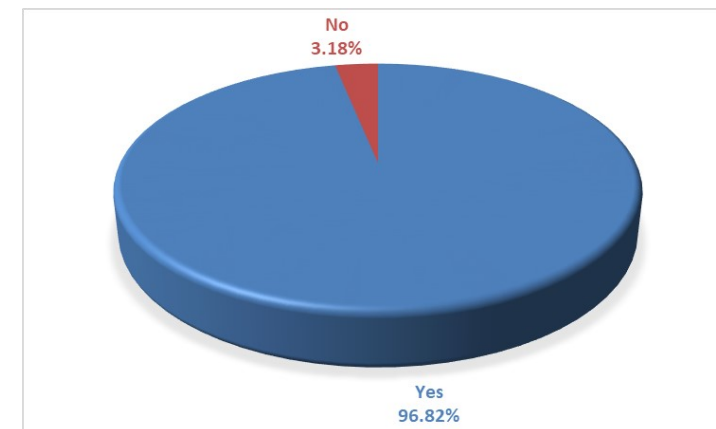
How do you rate the overall technical content of MOOC?



How do you rate the overall MOOC LMS portal experience in accessing and navigating the content?



Were you able to enhance your skills through this MOOC?



Phase II of the MOOC is Open



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MOOC: Geospatial Applications for Disaster Risk Management

Phase II is now **Open** until 30 November 2021

Please register at <https://isat.iirs.gov.in/mooc.php>



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Thank you

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