



UNITED NATIONS
Office for Outer Space Affairs

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

A Joint initiative of CSSTEAP & UNOOSA

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25
Years



*Empowering,
Engaging in Capacity Building*





Massive Open Online Course (MOOC) for Capacity Building

- Web-based distance learning programs are being designed for the participation of large numbers of geographically dispersed students across the globe.
- During the challenging times of the COVID-19 outbreak, MOOCs are an effective way of reaching a large number of participants to share the knowledge.
- CSSTEAP and UNOOSA has jointly designed an open online course on “Geospatial Applications for Disaster Risk Management” to achieving the target of:
 - Sendai Framework for Disaster Risk Reduction 2015-2030,
 - 2030 Agenda for Sustainable Development and the Paris Agreement stemming from the 21st Conference of the Parties(COP) of the United Nations Framework Convention on Climate Change(UNFCCC).



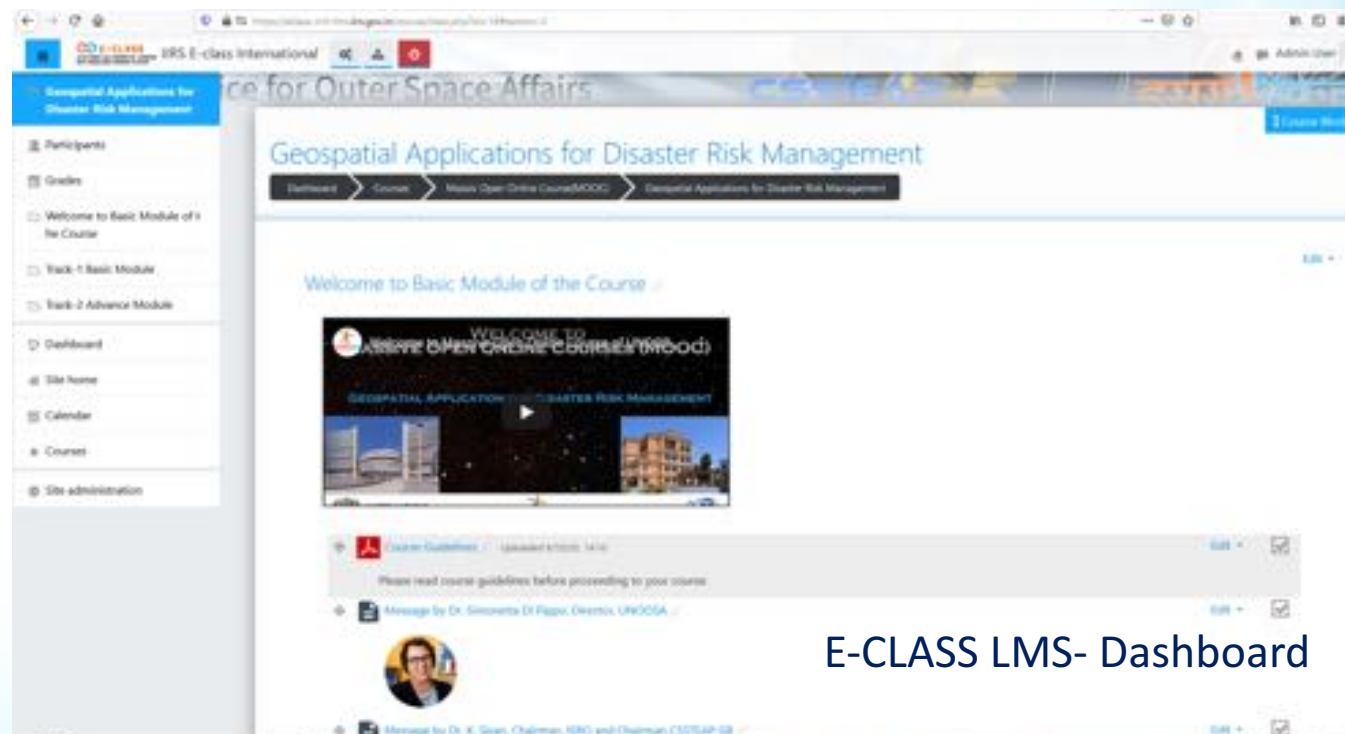
MOOC on Geospatial Application for Disaster Risk Management is organized in two Tracks

Track 1: Basic Module

- This track aims at imparting basic knowledge on disaster risk reduction, Remote Sensing and Geospatial Technologies.
- The participants need not have specific knowledge or expertise in the areas of disaster management, geospatial technologies or Earth observation to complete this track.

Track 2: Advanced Module

- The participants who have completed Track 1 successfully can access Track 2, which is more technical and aims at developing skills of the participants in the use of Earth observation in assessing various disasters.



E-CLASS LMS- Dashboard



Course Structure & Content

Geospatial Applications for Disaster Risk Reduction

The MOOC is structured in two tracks:

Tracks	Track 1 (Basic Module)	Track 2 (Advanced Module)
Who Can attend	Professionals interested in enhancing awareness of the latest trends in disaster risk management and how geospatial and Earth observation technologies contribute to it.	Professionals interested in deepening skills in use of geospatial and Earth observation technologies in all phases of disaster management. Track 2 is a prerequisite for participating in Track 1.
Track-1 to Track-2	Candidates completing Track-1 can either leave the training programme or continue with Track 2.	Track-2 can only be undertaken if Track-1 is completed.
Certification	Candidates completing Track 1 will receive a certificate for completing the Basic Module.	Candidates completing the basic and advanced modules will receive a certificate for the entire MOOC.
Track Overview	<p>Module 1: Overview of disaster risk management (DRM) and the relevance of geospatial technologies</p> <p>Module 2: Earth observation and disaster management</p>	<p>Module 3: Earth Observation and geospatial intelligence for disaster management</p> <p>Module 4: EO-systems and Hydro-meteorological disasters</p> <p>Module 5: EO-systems and geological disasters</p> <p>Module 6: EO-systems and environmental disasters</p>
Assessment	Each Module ends with a Self Assessment. The completion of the Self Assessment allows participants to access other modules.	
Language	All lectures and training materials will be in the English language.	
Duration	Track 1 and Track 2 training modules are of 11 hours duration each. With flexible schedule, the MOOC can be completed anytime during the duration the course remains open. Registration opens: 17 October 2020	
Course Fee	Free	

20 Sessions, 18 Speakers and 12 Organizations

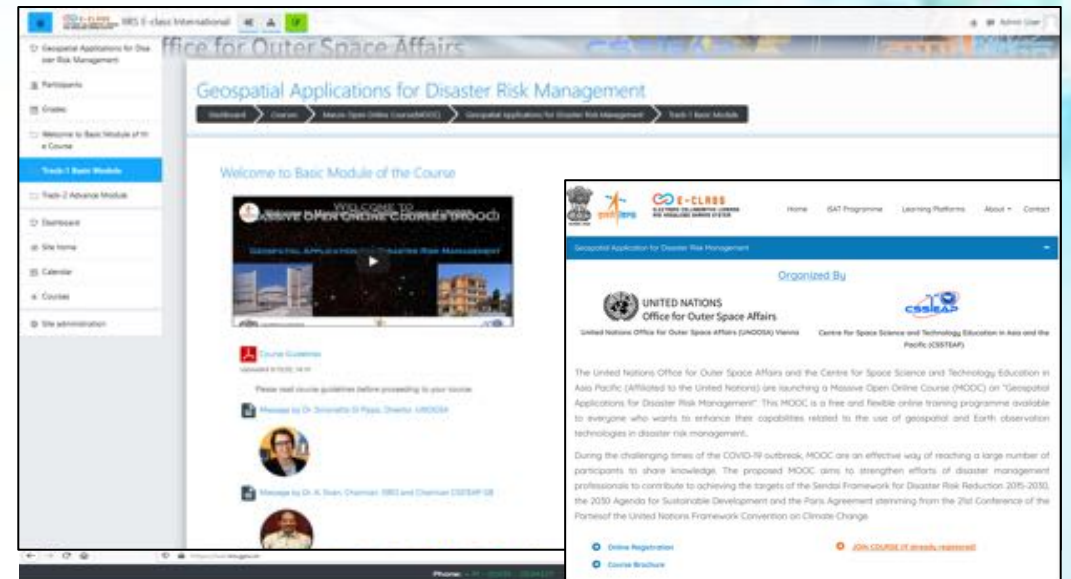
20 Sessions, 18 Speakers and 12 Organizations

Major Achievements of the Course

Geospatial Applications for Disaster Risk Reduction

Major Highlights :

- Launched on October 13, 2020;
- **27467 participants** out of 35124 registrations from **144 countries** has already started the course-
 - Working Professionals- **5502**;
 - Self Employed- **2334** and
 - Students- **19631**;
- Indigenous online learning platform is developed as **E-CLASS** International for offering online course through CSSTEAP;
- Programme is launched under ISRO-IIRS Space Application Training (**ISAT**) Programme – <https://isat.iirs.gov.in>



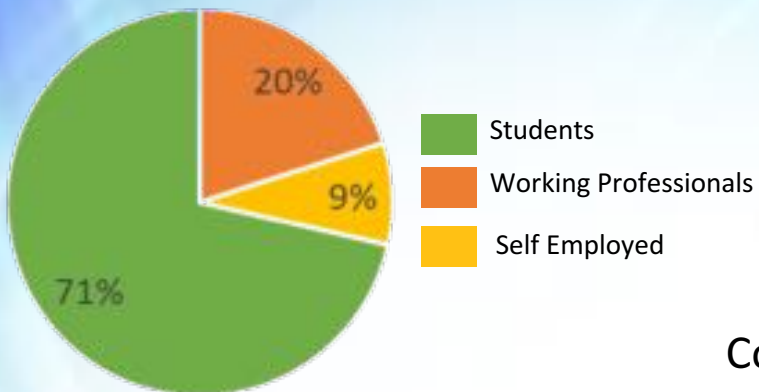


Summary of the Course (Till November 17, 2020)

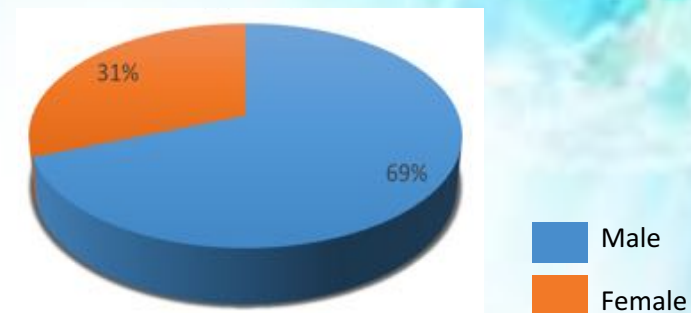
Total Registrations	35124
No. of participants in LMS	27467
Participants from India	25542
Participants from Outside India	1925
No. of Countries	144
No. of participants completed Track 1	5033
No. of Participants Completed Track 2	3370
Feedback submitted Track 1	5286
Feedback Submitted Track 2	3444

Distribution of Participants

Profession wise distribution

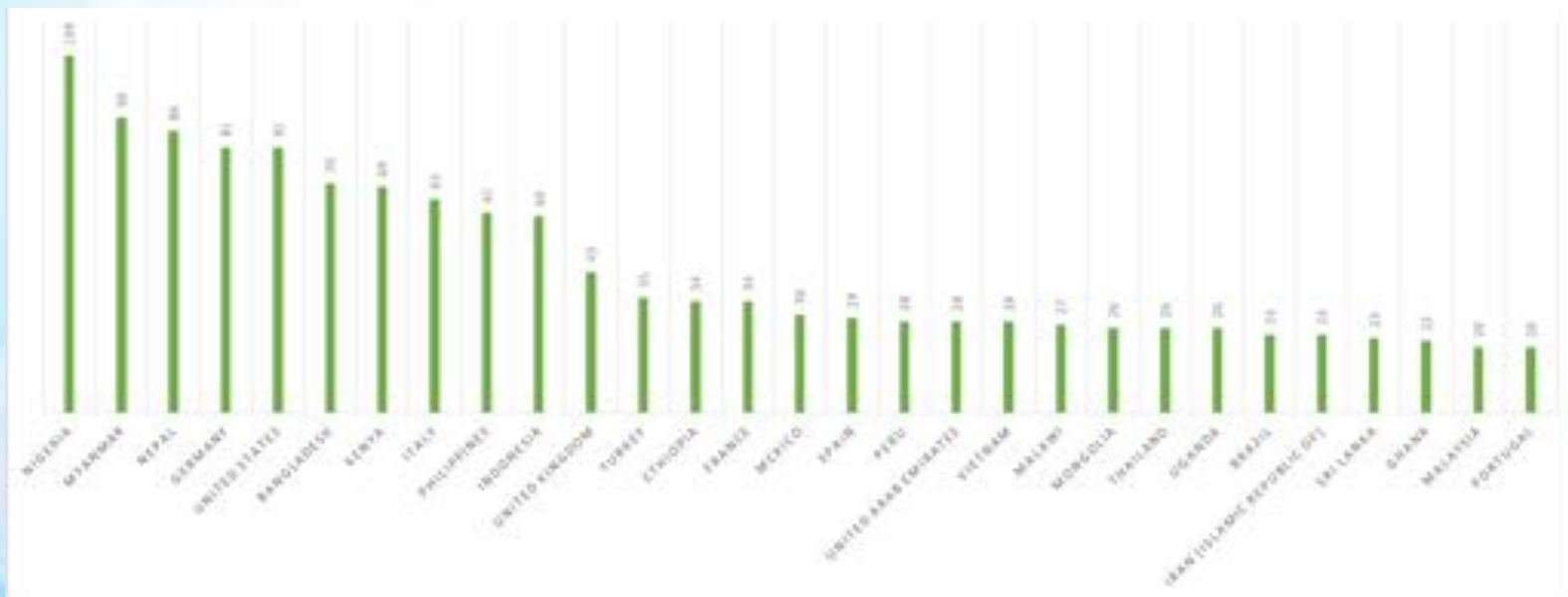


Gender wise distribution

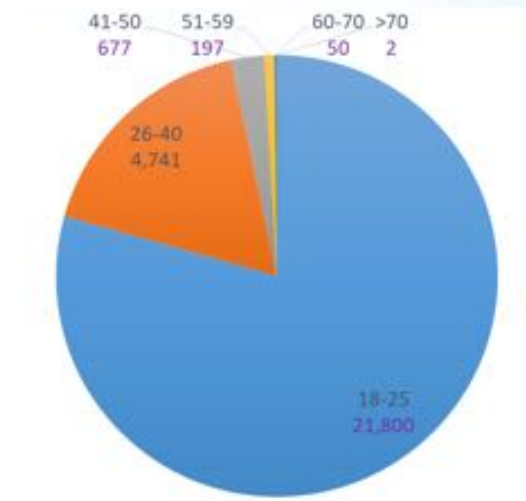


Country wise Distribution

Maximum from India- 25542



Age group wise distribution

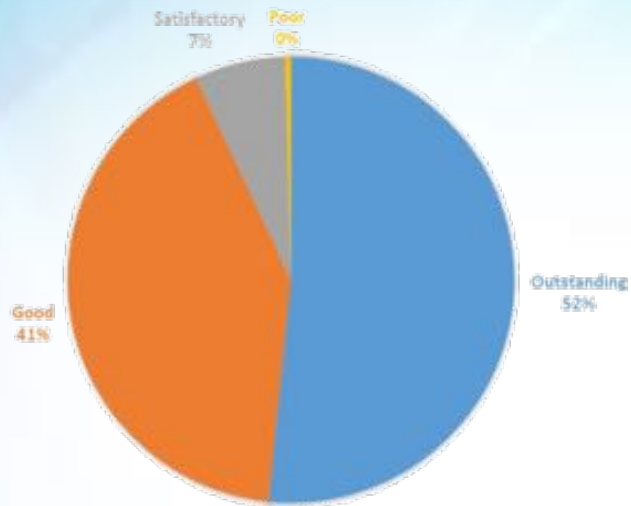


Graph shows other than India and countries having participants more than 20.

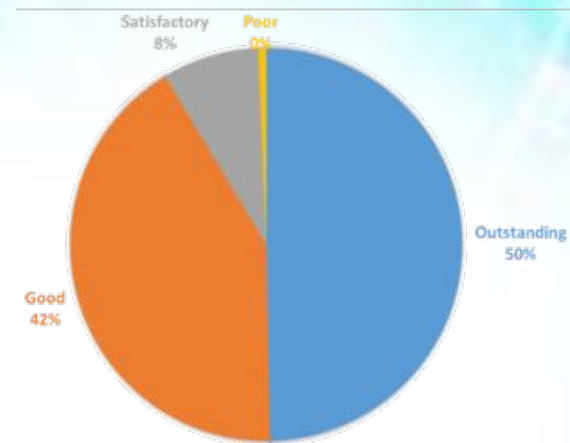


Feedback Report

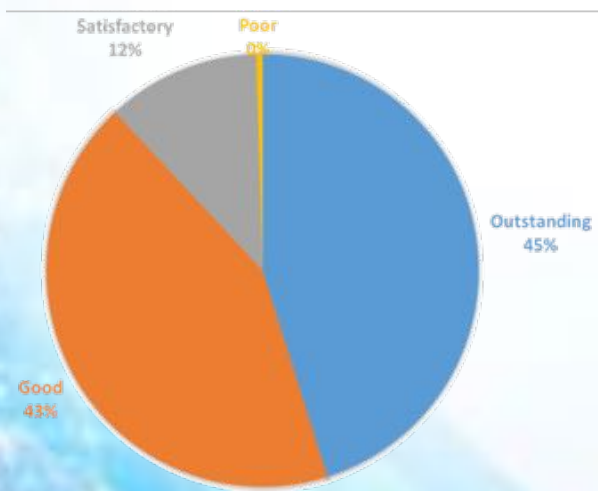
How do you rate the overall MOOC based learning experience?



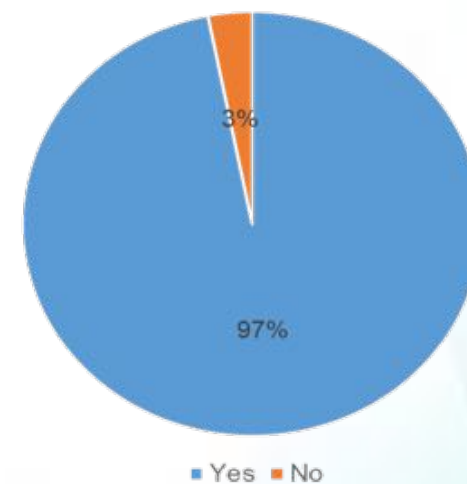
How do you rate the overall technical content of MOOC?



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?





Conclusion & Takeaways

- MOOC based online content delivery is very effective for mass scale training and education.
- The innovative learning contents may engage the learners in learning process effectively.
- The practical demonstrations on various data and software tools will enhance the learning contents.
- The online quiz, picture based learning, gaming activities may be included in the contents for making it more learner centric.
- Online discussion forums are very effective for collaborative learning.

Thank You