Volume 10, No. 03

March 2024

GeoForAll

Monthly Newsletter

Be part of "Geo for All"

Table of Contents

4. Conferences

Europe

March 2024

1. 20-24: FAIR Digital Objects: From Theory to Practice
   Venue: Berlin, Germany

April 2024

2. 14-19: European Geosciences Union General Assembly 2024
   Venue: Vienna, Austria

September 2024

3. 9-10: QGIS User Conference 2024
   Venue: Faculty of Civil Engineering, Slovak Technical University, Bratislava, Slovakia

South America

December 2024

4. 01-08: FOSS4G (stay tuned for more news in the future)
   Venue: Belém, state of Pará, Brazil

Asia

November 2024

5. 17-21: The 2nd Ramon International Geospatial Intelligence 360 Conference Geospatial Intelligence for Sustainable and Resilient Future
   Venue: Tel-Aviv, Israel

North America and Central America

April 2024

6. 8-11: GIS/Valuation Technologies Conferences
   Venue: Charlotte, NC, USA
7. 10-12: PA GIS Conference
   Venue: State College, PA, USA
8. 15-18: MidAmerica GIS Consortium – 2024 Symposium
   Venue: Omaha, NE, USA
9. April 30 – May 1: GIS in Action
   Venue: Portland, OR, USA

May 2024

10. 5-8: GEOINT 2024 Symposium
    Venue: Kissimmee, FL, USA
11. 22-24: 38th Conference of Latin American Geography (CLAG)
    Venue: Old San Juan, Puerto Rico

June 2024

12. 2-4: 2024 IMAGIN Annual Conference
    Venue: Thompsonville, MI, USA

August 2024

13. 14-16: CPGIS; 2024 - The 31st International Conference on Geoinformatics
    Venue: Toronto, Ontario, Canada

Volume 10, No. 03 March 2024

GeoForAll

Editorial Board

Please refer to the appropriate person according to the following table:

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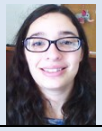
Co-editor 	Antoni Perez Navaro, Associate Professor at Universitat Oberta de Catalunya (UOC) Computer Sciences and Multimedia Department aperezn@uoc.edu	Italy, Malta, Spain, Portugal, France, Belgium, The Netherlands, Luxemburg.
Co-editor 	Emma Strong Planner with Pueblo County, Colorado eestrong118@gmail.com	North and Central America
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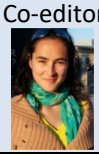
Co-editor 	Codrina Ilie, PhD student at the Technical University of Civil Engineering, Bucharest, Romania	The Balkans, Ukraine, Moldavia, Estonia, Lithuania, Belarus, Latvia, Hungary, Czech Republic, Slovakia
Production Designer 	Nikos Voudrislis, MSc, PhD in geography education. nvoudris@gmail.com	Design and final formation of the newsletter
	Paulo César Coronado Sánchez, Professor of computer sciences at Universidad Distrital Francisco José de Caldas, Head of GISEPROI and OSGeoLabUD research Group. Bogotá, Colombia paulocoronado@gmail.com	Translator and designer of the Spanish Edition

Volume 10, No. 03

March 2024

GeoForAll

GeoForAll Themes

- **OpenCity Smart**

  Theme under revision

- **Teacher Training & School Education**

➢ Chairs: Elżbieta Wołoszyńska-Wiśniewska (Poland), Nikos Lambrinos (Greece)

➢ Mail list: geoforall-teachertraining@lists.osgeo.org

➢ Website: http://wiki.osgeo.org/wiki/GeoForAll_TeacherTraining_SchoolEducation

- **CitizenScience**

➢ Chairs: Peter Mooney (Ireland) and Maria Brovelli (Italy)

➢ Mail list: https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-geocrowd

➢ Website: http://wiki.osgeo.org/wiki/Geocrowdsourcing_CitizenScience_FOSS4G

- **AgriGIS**

➢ Chairs: Didier Leibovici (U.K.) and Nobusuke Iwasaki (Japan)

➢ Mail list: https://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-agrigis

➢ Website: http://wiki.osgeo.org/wiki/Agrigis

GeoForAll Regional Chairs and Contact Information

North America Region

Chairs: Helena Mitasova (USA), Charles Schweik (USA), Phillip Davis (USA) Subscribe at mail list http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-northamerica

Email: na.gfa.chair@osgeo.org

Iberoamerican Region

Chairs: Sergio Acosta y Lara (Uruguay) and Silvana Camboim (Brazil) and Antoni Pérez Navarro (Spain). Subscribe at mail list: https://lists.osgeo.org/mailman/listinfo/geoforall-iberoamerica

Email: geoforall-iberoamerica@lists.osgeo.org.

Africa Region

Chairs: Msilikale Msilanga (Tanzania), Serena Coetzee (South Africa) and Bridget Fleming (South Africa) Subscribe at mail list http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-africa

Email: africa.gfa.chair@osgeo.org

Asia Region (including Australia)

Chairs: Tuong Thuy Vu (Malaysia/Vietnam) and Venkatesh Raghavan (Japan/India) Subscribe at maillist http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-asiaaustralia

Email: asia.gfa.chair@osgeo.org

Europe Region

Chairs: Maria Brovelli (Italy) and Peter Mooney (Ireland) Subscribe at mail list http://lists.osgeo.org/cgi-bin/mailman/listinfo/geoforall-europe

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Volume 10, No. 03

March 2024

GeoForAll

GeoAmbassador Content table

July 2016, Vol.2, no.7	Prof. Georg Gartner, Vienna University of Technology
Aug 2016, Vol.2, no.8	Prof. Silvana Philippi Camboim, Federal University of Paraná, Brazil
Sep 2016, Vol.2, no.9	Nimalika Fernando, Sri Lanka
Oct 2016, Vol.2, no.10	Sergio Acosta Y Lara, Montevideo Uruguay
Nov 2016, Vol. 2, no. 11	Victoria Rautenbach, Centre of Geoinformation Science Univ. of Pretoria, South Africa
Dec 2016, Vol.2, no.12	Dr. Daria Svidzinska, Taras Shevchenko National University of Kyiv, Ukraine
Jan 2017, Vol.3 no.1	Dr. Mark Ware, University of South Wakes, UK
Feb 2017, Vol.3, no. 2	Dr. Rafael Moreno Sanchez, Department of Geography and Environmental Sciences, University of Colorado Denver, USA
March 2017, Vol.3 no.3	Dr. Tuong Thuy Vu, School of Environmental and Geographical Sciences, University of Nottingham, Malaysia campus
April 2017, Vol.3 no.4	Michael P. Finn, U.S. Geological Survey
May 2017, Vol.3 no.5	Dr. Peter Mooney, Maynooth University, NASA
June 2017, Vol.3 no.6	Patrick Hogan, NASA
July 2017, Vol.3 no.7	Prof. Dr. Josef Strobl, Salzburg
September 2017, Vol.3 no.9	Bridget Fleming, South Africa
October 2017, Vol.3 no.10	Sven Schade, Joint Research Centre, Italy
November 2017, Vol.3 no.11	Luciene Stamato Delazari, Universidade Federal do Paraná in Brazil
December 2017, Vol.3 no.12	Charlie Schweik, Univ. of Massachussets, USA
January 2018, Vol.4 no.1	Julia Wagemann, European Centre for Medium-Range Weather Forecasts
February 2018, Vol.4 no.2	Barend Köbben, Department of Geo-Information ProcessingUniversity of Twente
March 2028, Vol.4 no.3	Kurt Menke, Birds Eye View
April 2018, Vol.4 no.4	Dr. Clous Rinner, Department of Geography and Environmental Studies at Ryerson University, Toronto, Canada
June 2018, Vol.4, no.6	Martin Landa, Department of Geomatics, Faculty of Civil Engineering, Czech Technical University (CTU) in Prague

Lab of the Month, Content table

Aug 2015, Vol.1 no.1	Open Source Geospatial Lab, Kathmandu University, Nepal (Asia)
Sep 2015, Vol.1 no.2	FOSS4G Lab, University of Colarado Denver (USA)
Oct 2015, Vol.1, no.3	Open Source Geospatial Lab, University of Southampton, UK (Europe)
Nov 2015, Vol.1 no.4	The Northeast Institute of Geography and Agroecology of Chinese Academy of Science, China (Asia)
Jan 2016 , Vol.2 no.1	Centre for Geoinformation Science, University of Pretoria, South Africa, (Africa)
Feb 2016, Vol.2 no.2	Open Source Geospatial Lab, University of Newcastle, UK, (Europe)
Mar 2016, Vol.2 no.3	SMART Open Source Geospatial Lab, University of Wollongong, (Australia)
Apr 2016, Vol.2 no.4	Regional Centre for Mapping of Resources for Development, Nairobi, Kenya (Africa)
May 2016, Vol.2 no.5	GeoDa Centre – Arizona State University, (USA)
June 2016, Vol.2 no.6	Direccion Nacional de Topografia – MTOP Montevideo, Uruguay, (South America)
July 2016, Vol.2 no.7	SIGTE – University of Girona, Spain (Europe)
August 2016, Vol.2 no.8	Open Source Geospatial Lab, Department of Geodesy and Surveying, Budapest Univ. of Technology and Economics, Hungary (Europe).
September 2016, Vol.2 no.9	Open Source Geospatial Lab, Faculty of Geodesy, University of Zagreb, Croatia, (Europe)
October 2016, Vol.2 no.10	Hellenic digital earth Centre of Excellence, Aristotle University of Thessaloniki, Greece, (Europe)
November 2016, Vol.2 no.11	Department of Geoinformatics, Palacký University in Olomouc, Czech Republic
December 2016, Vol.2 no.12	Asian Institute of Technology, Bangkog, Thailand
January 2017, Vol.3 no.1	Spatial Lab, Texas A&M, Corpus Christi, USA
February 2017, Vol.3 no.2	Open Source Geospatial Lab, Faculty of Civil Engineering, Belgrade, Serbia
March 2017, Vol.3 no.3	Geomatics and Earth Observation Laboratory (GEOlab) , Politecnico di Milano, Italy
April 2017, Vol.3 no.4	Faculty of Civil Engineering, Department of Geomatics, Czech Technical University in Prague, Czech Republic
May 2017, Vol.3 no.5	the Laboratory of socio-geographical research of the University of Siena, ITALY
June 2017, Vol.3 no.6	A World Bridge program
July 2017, Vol.3 no.7	Department of Civil, Environmental and Mechanical Engineering of the University of Trento, Italy
August 2017, Vol.3 no.8	Institute of Geography, Faculty of Science, Pavol Jozef Šafárik University in Košice, Slovakia
November 2020, Vol.6 no.11	Universitat Oberta de Catalunya (UOC), Spain
January 2021, Vol.7 no.01	gvSIG Uruguay Community, Uruguay

5. Webinars

- If you want to start learning how to use QGIS, there are some excellent free resources at https://www.gislounge.com/free-ways-to-learn-qgis/

7. Training programs

- GeoForAll educational materials have been transferred to our new web site. GeoForAll educational inventory system, a place to search and share educational materials
- **Satellite Application Course for African Users**
  Start Date: March 11, 2024
  End Date: March 15, 2024
  Country: South Africa
  City: Pretoria
  Organizer: EUMETSAT
  Host: South African Weather Service
  Language: English
  Contact email: training@eumetsat.int
- **International Summer School on Applications with the Newest Multi-Spectral Environmental Satellites**
  Start date: June17, 2024
  End date: June 26, 2024
  Country: Italy
  City: Bracciano
  Organizer: Italian Air Force – Met Service
  Host: NMS regional course, EUMETSAT
  Language: English
  Contact person: Ivan Smiljanic
  Contact email: training@eumetsat.int

11. Free books, educational materials, etc.

- Visit the YouTube QGIS channel at https://www.youtube.com/channel/UCGS162t4hkOA0b35ucf1yng/videos to get videos of QGIS applications, representations and ideas.
- You can download the full proceedings of the OSM Science 2023 conference from https://zenodo.org/records/10443403

12. Article

Acronyms

by **Nikos Lambrinos**, Chief Editor, and **Michael Finn**.

For those who would like to support this effort, please send any acronyms to the Chief Editor (labrinos@eled.auth.gr).

3DEP: 3-D Elevation Program

AAG: Association of American Geographers

AGI: Ambient Geographic Information

AGS: American Geographical Society

AGU: American Geophysical Union

AI: Artificial Intelligence

AM/FM: Automated Mapping/Facilities Management

AOSP: African Open Space Platform

API: Application Programming Interface

ASPRS: American Society for Photogrammetry and Remote Sensing

AURIN: Australian Urban Research Infrastructure Network

BBSRC: Biotechnology and Biological Sciences Research Council

BDS: BeiDou Navigation Satellite Demonstration System

BIM: Building Information Modelling

CAADP: Comprehensive African Agricultural Development Programme

CAD: Computer Aided Design

CaGIS: Cartograhy and Geographic Information Society

CCGI: Collaboratively Contributed Geographic Information

CEGIS: Center of Excellence for Geospatial Information Science

CEOS: Committee on Earth Observation Satellites

CHIRPS - Climate Hazards Group InfraRed Precipitation with Station data

CI: CyberInfrastructure

CLGE: The Council of European Geodetic Surveyors

CODATA: Committee on Data for Science and Technology

COGO: Coordinate geometry

CRC: Census Research Centre

CRS: Coordinate Reference System

CSA: Canadian Space Agency

CSSTEAP: Center for Space Science & Technology Education in Asia and the Pacific

CUDA: Compute Unified Device Architecture

DAAC: Distributed Active Archive Center (of NASA)

DEM: Digital Elevation Model

DSM: Digital Surface Models

DWG: Design file format

DXF: Drawing Interchange File

ECMWF: European Center for Medium range Weather Forecasting

EOS: Earth Observation Science

EOSDIS: Earth Observing System and Data Information System

EPA: Environmental Protection Agency

EPSG: European Petrol Survey Group (used in projection IDs)

ESA: European Space Agency

ESERO: European Space Education Resource Office

EUROGI: European Umbrella Organisation for Geographic Information

EuroSDR: European Spatial Data Research

FDO: FAIR (Find, Access, Interoperate, and Reuse) Digital Objects

FOSS: Free and Open Source Software

FOSS4G: Free and Open Source Software For Geospatial

GCP: Ground Control Point

GDAL: Geospatial Data Abstraction Library

GEO: Group on Earth Observations

GEO: Geosynchronous Earth Orbits

GloFAS: Global Flood Awareness System

GNSS: Global Navigational Satellite System

GODAN: Global Open Data for Agriculture and Nutrition

GPS: Global Positioning System

GPX: GPS Exchange Format

GRACE: Gravity Recovery and Climate Experiment (satellite program)

GRASPgfs: Geospatial Resource for Agricultural Species and Pests and Pathogens with workflow integrated modeling to support Global Food Security

GSoC: Google Summer of Code

HLPF: High Level Political Forum (of UN)

HOT: Humanitarian OpenStreetMap Team

HPC: high-performance computing

ICA: International Cartographic Association

ICIMOD – International Centre for Integrated Mountain Development

ICSU-WDS: International Council for Science – World Data System

IDE: Spatial Data Infrastructure

IFAD – International Fund for Agricultural Development

INSPIRE: Infrastructure for Spatial Information in Europe

IPCC – Intergovernmental Panel on Climate Change

IPGH: Pan American Institute of Geography and History

ISO: International Organization for Standardization

ISPRS: International Society for Photogrammetry and Remote Sensing

ISRO: Indian Space Research Organization

JAXA: Japan Aerospace Exploration Agency

KML: Keyhole Markup Language

LBS: Location-Based Service

LEO: Low Earth Orbits

LiDAR: Light Detection and Ranging

LOC: Local Organizing Committee

LOD: Level Of Detail

MEO: Medium Earth Orbits

MIL: Media and Information Literacy

MoU: Memorandum of Understanding

MSS: Multispectral Scanner

NAD: North American Datum

NARSS: National Authority for Remote Sensing and Space Sciences of Egypt

NCSA: National Center for Supercomputing Applications

NDVI - Normalized Difference Vegetation Index

NDWI - Normalized Difference Water Index

NED: National Elevation Dataset

NEPAD: NEw Partnership for African Development

NGA: National Geospatial Intelligence Agency

NHD: National Hydrologic Dataset

NIR - Near-Infrared

NLCD: National Land Cover Dataset

NOOSA: United Nations Office for Outer Space Affairs

NRSA: Indian National Remote Sensing Agency

NSDI: National Spatial Data Infrastructure

NSF: National Science Foundation

OECD: Organisation for Economic Co-Operation and Development

OER: Open Educational Resources

OGC: Open Geospatial Consortium

OHI: International Hydrographic Office

OSGeo: Open Source Geospatial Foundation

OSM: OpenStreetMap

OTB: Orfeo Tool Box

PPGIS: Public Participation in Geographic Information Systems

PPSR: Public Participation in Scientific Research

RBV: Return Beam Vidicon

RCMRD: Regional Centre for Mapping of Resources for Development

RDA: Research Data Alliance

ROSCOSMOS: Russian Federal Space Agency

ROSHYDROMET: Russian Federal Service for Hydrometeorologyand Enviromental Monitoring

RUFORUM: Regional Universities Forum for capacity building in agriculture

SaaS: Software as a Service

SAR: Synthetic Aperture Radar

SDG: Sustainable Development Goal

SDI: Spatial Data Infrastructure

SIG: Geographic Information System

SIGTE: The GIS and Remote Sensing Service of the University of Girona, Spain

SPIDER: open SPatial data Infrastructure eDucation nEtwoRk

SQL: Structured Query Language

STISA 2024: Science Technology Innovation Strategy for Africa

STSM: Short Term Scientific Missions

SWIR: Short Wave Infrared

TIN: Triangulated Irregular Network

UAV: Unmanned Aerial Vehicle

UML: Unified Modeling Language

UN-GGIM: United Nations Global Geospatial Information Management

USGS: U.S. Geological Survey

USGIF: United States Geospatial Intelligence Foundation

VGI: Volunteered Geographic Information

VNIR: Visible Near Infrared

XSEDE: Extreme Science and Engineering Discovery Environment

WCS: Web Coverage Service

WFS: Web Feature Service

WGCapD: Working Group on Capacity Building and Data Democracy

WGS: World Geodetic System

WISERD: Wales Institute of Social & Economic Research, Data & Methods

WMO: World Meteorological Organization

WMS: Web Map Service

WMTS: Web Map Tiles Services

WOIS: Water Observation Information System

WPS: Web Processing Service

17. Ideas / Information

1. If you are interested in educational material, then go to https://www.osgeo.org/initiatives/geo-for-all/in-your-classroom/ where you can find software resources for your classroom. Also, go to “Resources” https://www.osgeo.org/resources/ to get a guidance on how to use open source projects and tools.

2. From Dr Suchith Anand

Senior Adviser to Governments and International Organisations | Scientist | AI Ethics | AI Governance | Policy | Consultant in Data and AI Ethics | Global Citizen | SDG Volunteer and Advocate

Thanks to UNESCO and the Government of Slovenia for organising the **2nd Global Forum on the Ethics of Artificial Intelligence**: Changing the Landscape of AI Governance in Slovenia on 5-6 February 2024.
This Forum brought together the experiences and expertise of countries at different levels of technological and policy development, for a focused exchange to learn from each other, and for a dialogue with the private sector, academia and a wider civil society.
Day 1 Recordings
https://www.youtube.com/watch?v=okgVwczLTUc
Day 2 Recordings
https://www.youtube.com/watch?v=3V4mCmxAAvM
More details of the Forum at
https://www.unesco.org/en/forum-ethics-ai

UNESCO produced the first-ever global standard on AI ethics – the ‘**Recommendation on the Ethics of Artificial Intelligence**’ in November 2021. This framework was adopted by all 193 Member States.
Details at: https://www.unesco.org/en/artificial-intelligence/recommendation-ethics

3. CARLOS LÓPEZ-VÁZQUEZ, Head of the Academic Liason Committee, Cartography Commission, Pan American Institute of Geography and History

I am pleased to contact you to announce the Call for Applications to the tenth edition of the "Prize for the Outstanding Master's thesis in Cartography, Geodesy and/or Geographic Information" organized by the Pan American Institute of Geography and History (PAIGH). The call will open 1st June 2024 and

will close 30th June 2024. In a few words, Master's level students graduated between 1st January 2019 and 31st December 2023 can apply. In addition, they should satisfy one of two conditions: a) be a citizen of any PAIGH member state, irrespective of the granting university, or b) have a degree granted by an accredited university in any PAIGH member state, irrespective of the student's citizenship. The candidates must write a scientific paper summarizing their work, a fact that justifies an early announcement well before June.

The announcement can be downloaded from https://comisiones.ipgh.org/CARTOGRAFIA/Premio/Tesis_Msc_2024/Poster_Premio_Cartografia_MSc_2024_EN.pdf

Updates will be available soon at https://comisiones.ipgh.org/CARTOGRAFIA/PremioMSc_EN.html

Member states of PAIGH are Argentina, Belice, Bolivia, Brasil, Chile, Colombia, Costa Rica, Ecuador, El Salvador, United States of America, Guatemala, Haití, Honduras, México, Nicaragua, Panamá, Paraguay, Perú, Dominican Republic, Uruguay and Venezuela.

4. From Dr Suchith Anand

Senior Adviser to Governments and International Organisations | Scientist | AI Ethics | AI Governance | Policy | Consultant in Data and AI Ethics | Global Citizen | SDG Volunteer and Advocate

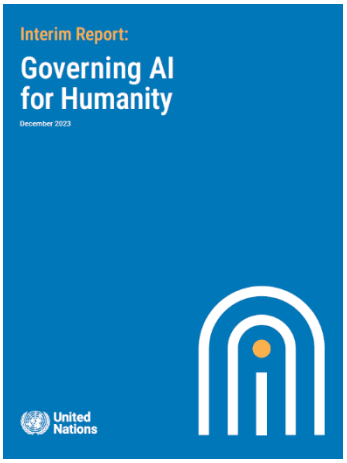
Happy “AzaadiSAT-2” 1st anniversary. A satellite built by 750 girl students from 75 government schools across India.

AzaadiSAT was created to mark India’s 75th year of independence. This anniversary was being marked by the Azadi Ka Amrit Mahotsav celebrations https://amritmahotsav.nic.in throughout the country, and the CubeSat was part of this campaign. AzaadiSAT was built by girl students from 75 schools across India. 10 girl students from each school were involved, for a total of 750 students involved. The mission was created to give girl students from lower-income backgrounds the opportunity to learn the fundamentals of spaceflight.

More details at:
https://www.isro.gov.in/mission_SSLV_D2.html
https://spacekidzindia.in/azaadisat-1/
https://m.youtube.com/watch?v=Sh1YCJ4m7aE
https://www.youtube.com/watch?v=ey1pxYo6Ct4
https://www.youtube.com/watch?v=A60m4BHx8KI

5. From Dr Suchith Anand

Senior Adviser to Governments and International Organisations | Scientist | AI Ethics | AI Governance | Policy | Consultant in Data and AI Ethics | Global Citizen | SDG Volunteer and Advocate



The UN AI Advisory Body has launched its interim report. The report calls for a closer alignment between international norms and how AI is developed and rolled out. The central piece of the report is a proposal to strengthen international governance of AI by carrying out seven critical functions such as horizon scanning for risks and supporting international collaboration on data, and computing capacity and talent to reach the Sustainable Development Goals (SDGs). It also includes recommendations to enhance accountability and ensure an equitable voice for all countries.

Individuals, groups, and organizations are encouraged to provide feedback via the online submission form at https://www.un.org/en/ai-advisory-body.

The deadline for the online submission process is 31 March 2024

6. From Dr Suchith Anand

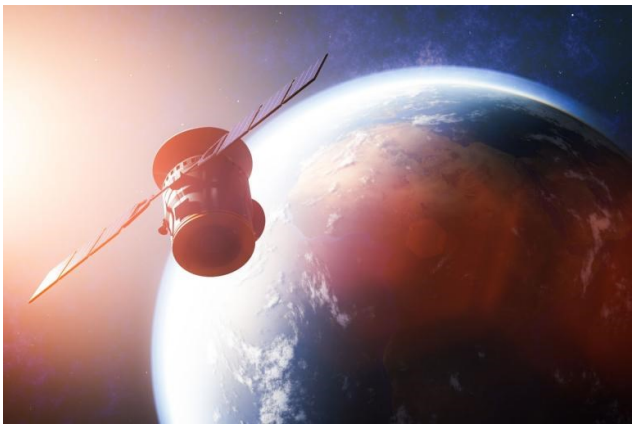
Senior Adviser to Governments and International Organisations | Scientist | AI Ethics | AI Governance | Policy | Consultant in Data and AI Ethics | Global Citizen | SDG Volunteer and Advocate

In recognition of the vital role of satellite observations, WMO will reinvigorate its relationship with space

agencies to strengthen cooperation in in an era of rapid climate, societal and technological change.

Space-based observing systems constitute approximately 90 percent of the data used in global numerical weather prediction models. They are the backbone of operations of National Meteorological and Hydrological Services, providing invaluable insights that safeguard lives and property worldwide, 24/7.

Details at: https://wmo.int/media/news/wmo-reinvigorates-relations-space-agencies



So it is very timely the upcoming launch of INSAT-3DS, India's most advanced meteorological satellite. Scheduled for lift-off on Feb 17th, 2024 aboard GSLV-F14 from Sriharikota spaceport in India, this satellite is a game-changer for weather forecasting and disaster warning. The mission is fully funded by the Ministry of Earth Sciences, Government of India.

INSAT-3DS is not just a technological marvel; it's a crucial tool for enhanced meteorological observations, monitoring land and ocean surfaces, and improving our disaster preparedness. Its state-of-the-art payloads, including a 6-channel Imager, 19-channel Sounder meteorology payloads, and communication features like the Data Relay Transponder (DRT) and Satellite-aided Search and Rescue (SAS&R) transponder, highlight its versatile capabilities.

INSAT-3DS Satellite is a Third Generation Meteorological Satellite from Geostationary Orbit. It is designed for enhanced meteorological observations and monitoring of land and ocean surfaces for weather forecasting and disaster warning. The satellite will augment the Meteorological services along with the presently operational INSAT-3D and INSAT-3DR satellites.

More details at https://www.isro.gov.in/GSLV-F14_INSAT-3DS_mission.html
https://space.oscar.wmo.int/satellites/view/insat_3ds

By leveraging better Earth observations, we can substantially bolster the effectiveness of these endeavours, ensuring more timely and accurate warnings for vulnerable communities and facilitating informed decision-making in addressing climate change challenges.

ISRO satellite mission for enhanced meteorological observations, monitoring land and ocean surfaces and study the effects of a changing climate for the benefit of humanity.