

Promoting global and regional collaboration in Earth observation capacity building

Earth Observation Training, Education, and Capacity
Development Network

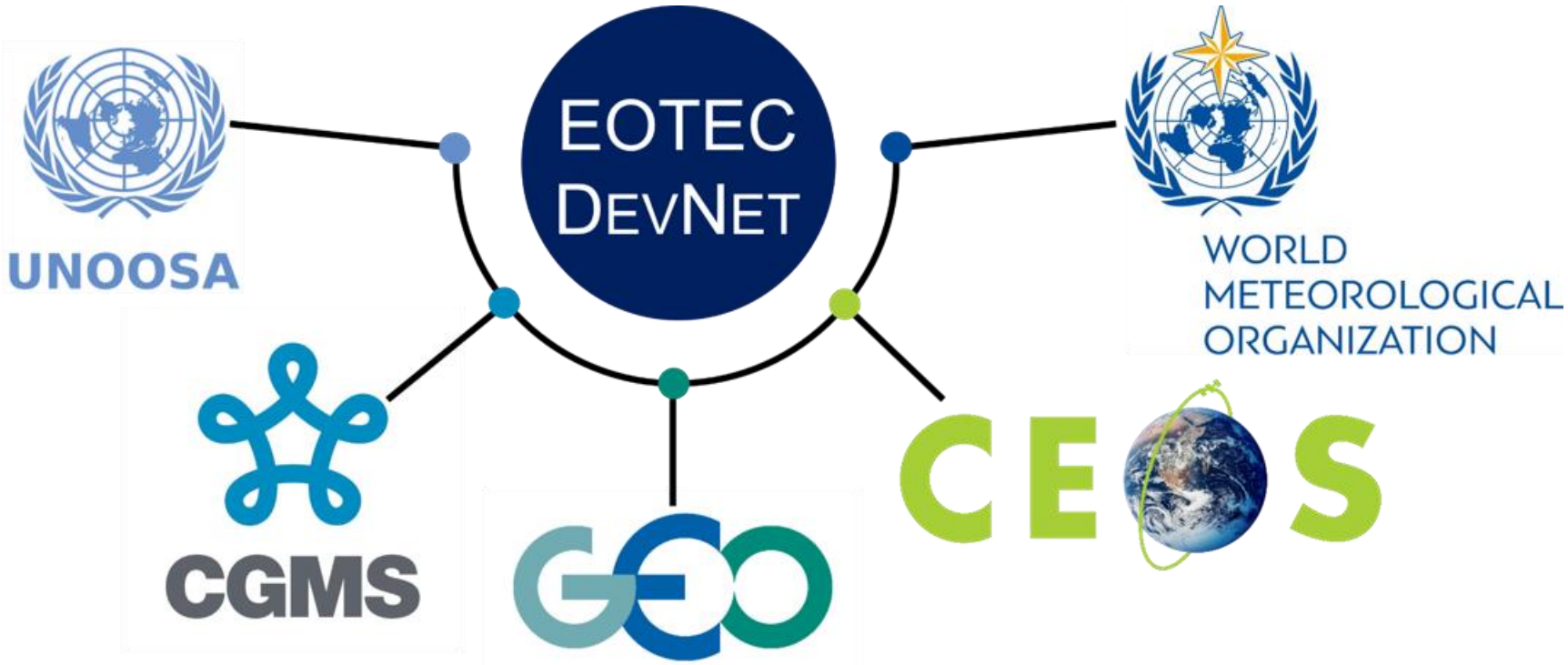
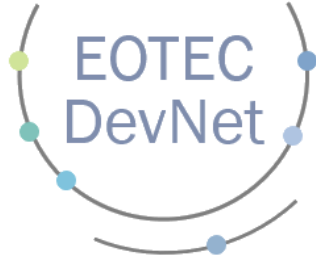
4. Symposium Neue Perspektiven der Erdbeobachtung

Martyna A. Stelmaszczuk-Górska

On behalf of the EOTEC DevNet Secretariat: Erin Martin, Yasha Moz, Sydney
Neugebauer, Martyna Stelmaszczuk-Górska

28 June 2023

The Earth Observation Training, Education, and Capacity Development Network at a Glance



- AIMS**
- Improve collaboration among EO-capacity building providers
 - Foster exchange of capacity building resources
 - Reduce duplication of effort

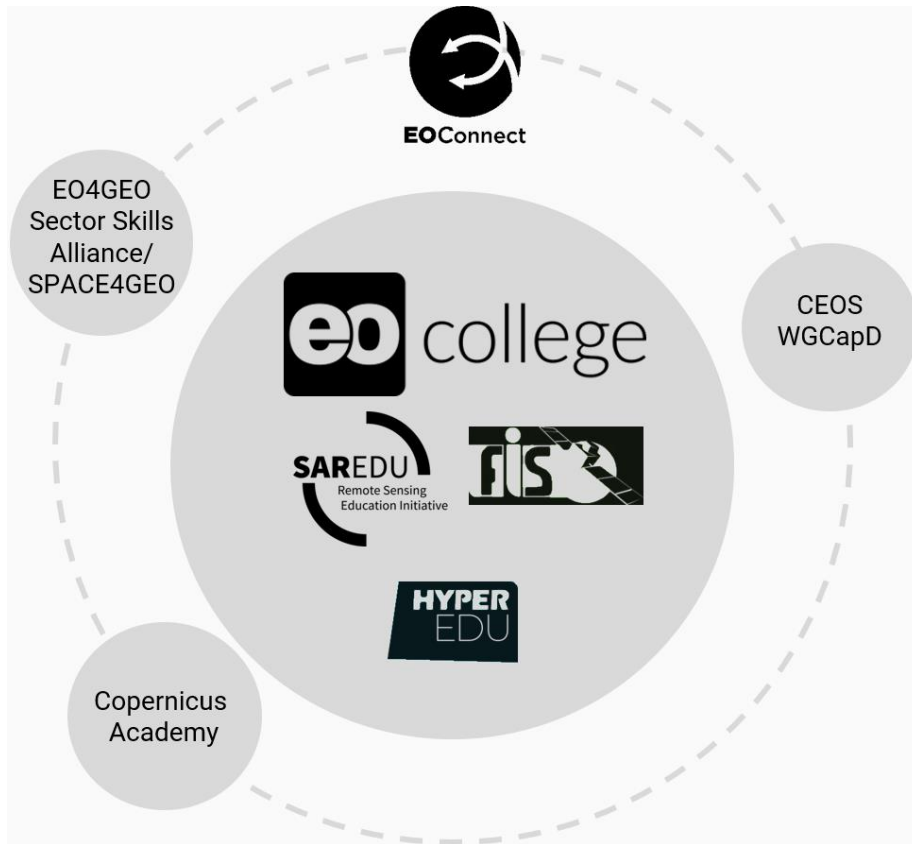
- THEMATIC FOCUS**
- Disaster risk reduction
 - Climate adaptation and mitigation

 eotecdev.net

 [@EOTEC DevNet](https://www.linkedin.com/company/eotec-devnet)

 [#EOTECDevNet](https://twitter.com/EOTECDevNet)

EOTEC DevNet: Toward coordinated capacity building

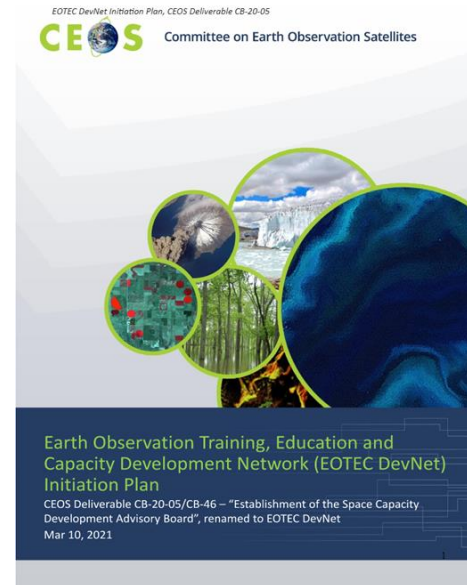


Coordinated Capacity Development to Maximize the Contributions of Space Science, Technology, and its Applications in Support of Implementing Global Sustainable Development Agendas—A Conceptual Framework

A. Senthil Kumar ^{a,*}, Sergio Camacho ^b, Nancy D. Searby ^c, Joost Teuben ^d, Werner Balogh ^e

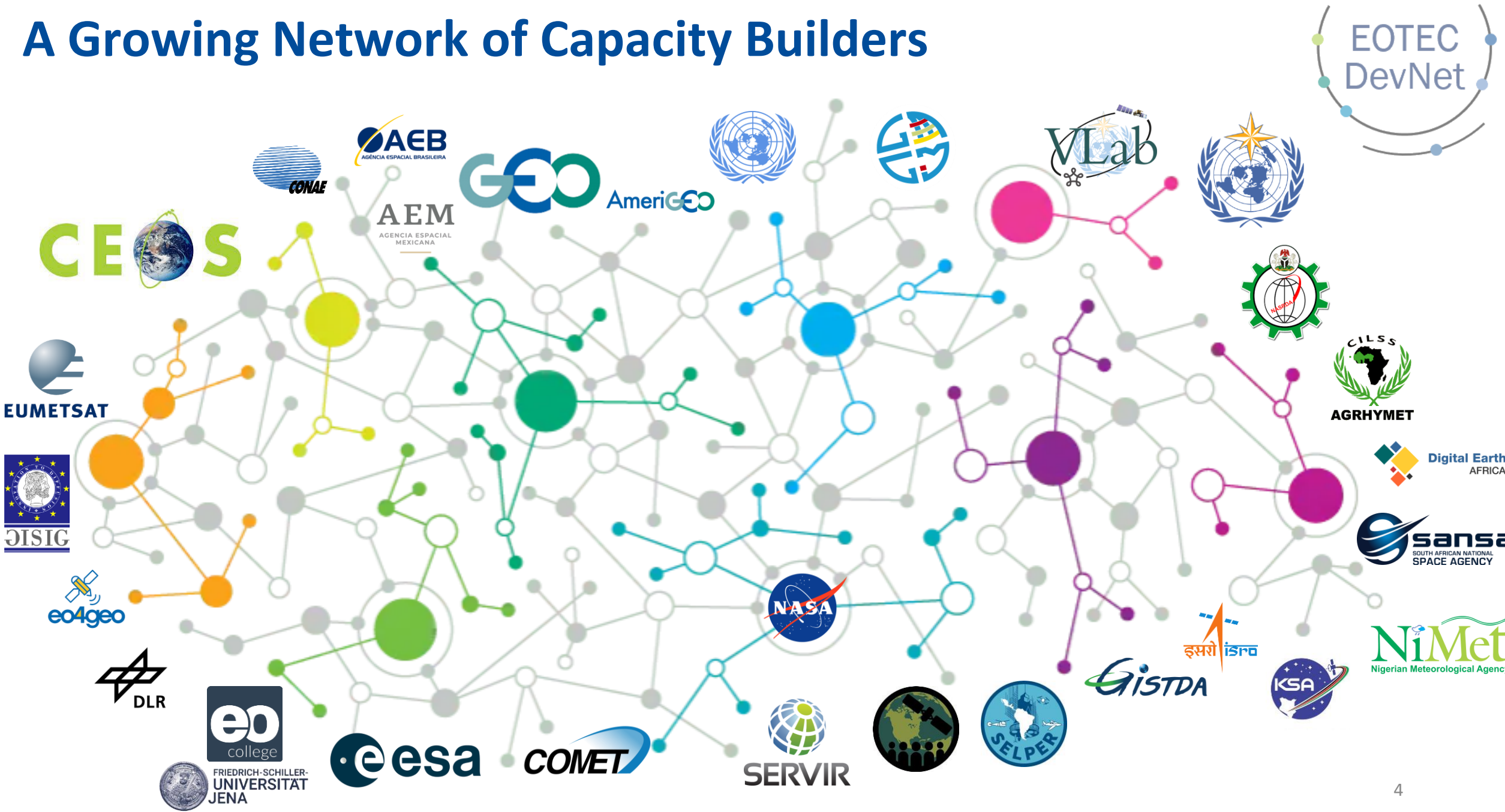
^a Centre for Space Science and Technology Education in Asia and the Pacific, 4, Kalidas Road, Dehradun 248001, India
^b Regional Centre for Space Science and Technology Education for Latin America and the Caribbean, Luis E. Erro No.1, Tonantzintla, Puebla, 72840, Mexico
^c NASA Headquarters, Earth Science Division, 300, E St. SW, Washington, DC 20546, USA
^d Group on Earth Observations, 7 Bis, Avenue de La Paix, Case Postale 2300 CH-1211 Geneva, Switzerland
^e World Meteorological Organization, Space Programme Office, 7 Bis, Avenue de La Paix, Case Postale 2300, CH-1211 Geneva, Switzerland

<https://doi.org/10.1016/j.spacepol.2019.101346>



<https://ceos.org/wp-content/uploads/2021/05/EOTEC-DevNet-Overview-1.pdf>

A Growing Network of Capacity Builders



How the Network Operates



Regional Communities of Practice (CoPs)

Africa, Americas, Asia/Oceania, Europe

Regional Task Teams

Thematic Working Groups



- Quarterly meetings for information-sharing
- Flood working groups active since April 2022
- Droughts working groups in development

+

Global Structures

Task Team/Leadership Team

Secretariat



- Theory of Change and M&E Framework
- Sustainability Plan
- Network Analysis
- Building partnerships with other networks, i.e. EO4GEO/SPACE4GEO, Copernicus Academy, EUMETSAT, Digital Earth Africa, SELPER
- Website, Twitter, LinkedIn

Leverage capacity building resources

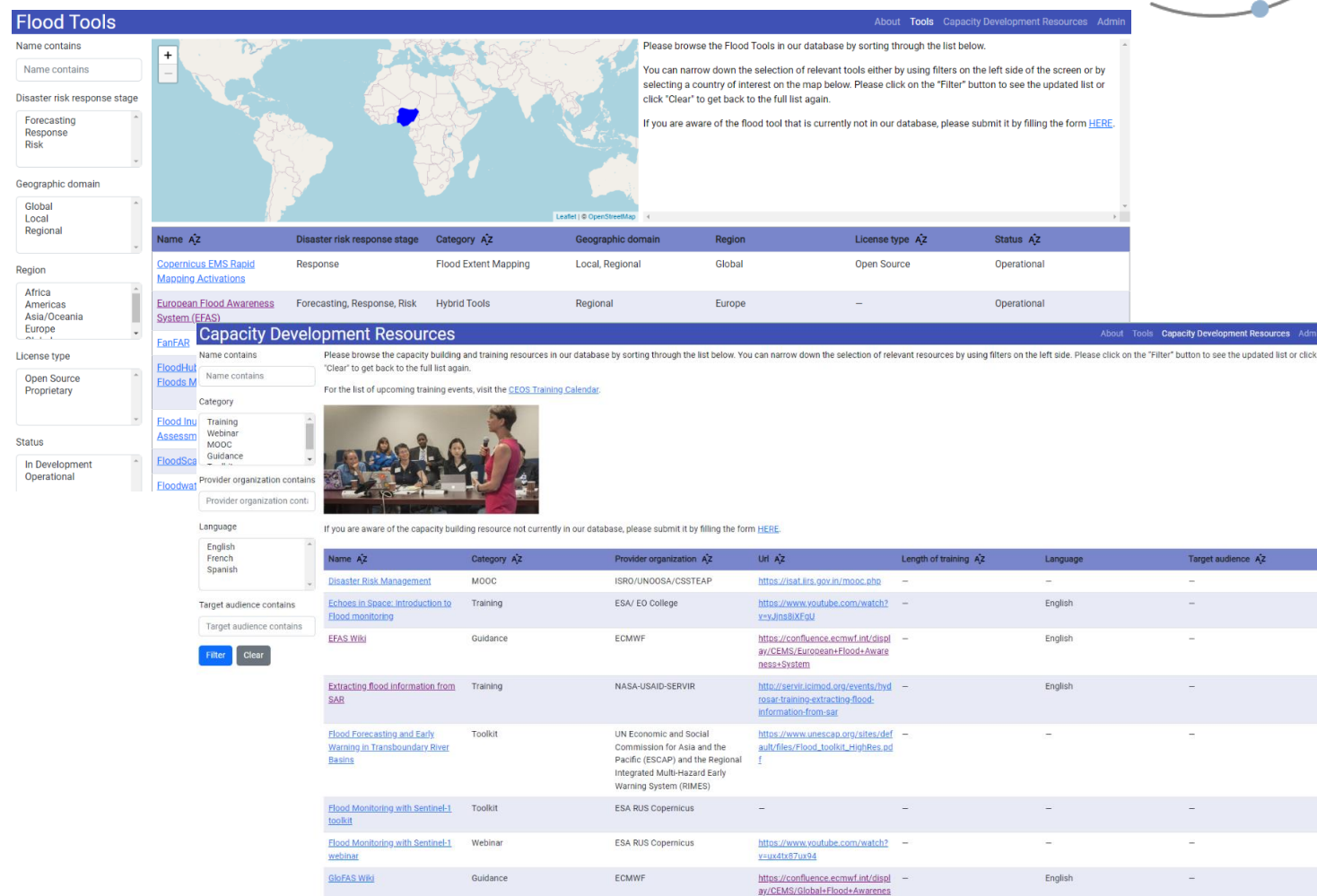
Flood Tools Tracker

➤ Available at <https://eotec-dev.ceos.org>

Goal: Help users find the most relevant flood tools and related capacity building resources to prepare for, mitigate, and manage responses to flood events

Content: The tracker's searchable database currently contains 30+ flood tools and similar number of capacity building resources

Key Functionality: Tracker enables filtering flood tools based on the disaster risk response stage, tool category, geographic domain, operational status and other criteria



The screenshot displays the 'Flood Tools Tracker' interface. It features a search bar, a world map, and various filters on the left side. The 'Flood Tools' section includes a table with columns: Name, Disaster risk response stage, Category, Geographic domain, Region, License type, and Status. The 'Capacity Development Resources' section includes a table with columns: Name, Category, Provider organization, Url, Length of training, Language, and Target audience.

Name	Disaster risk response stage	Category	Geographic domain	Region	License type	Status
Copernicus EMS Rapid Mapping Activations	Response	Flood Extent Mapping	Local, Regional	Global	Open Source	Operational
European Flood Awareness System (EFAS)	Forecasting, Response, Risk	Hybrid Tools	Regional	Europe	-	Operational

Name	Category	Provider organization	Url	Length of training	Language	Target audience
Disaster Risk Management	MOOC	ISRO/UNOOSA/CSSTEAP	https://sat.irs.gov.in/mooc.php	-	-	-
Echoes in Space: Introduction to Flood monitoring	Training	ESA/ EO College	https://www.youtube.com/watch?v=xJns8XF6U	-	English	-
EFAS Wiki	Guidance	ECMWF	https://confluence.ecmwf.int/display/CEMS/European+Flood+Awareness+System	-	English	-
Extracting flood information from SAR	Training	NASA-USAID-SERVIR	http://servir.isimod.org/events/hydrosar-training-extracting-flood-information-from-sar	-	English	-
Flood Forecasting and Early Warning in Transboundary River Basins	Toolkit	UN Economic and Social Commission for Asia and the Pacific (ESCAP) and the Regional Integrated Multi-Hazard Early Warning System (RIMES)	https://www.unescap.org/sites/default/files/Flood_toolkit_HighRes.pdf	-	-	-
Flood Monitoring with Sentinel-1 toolkit	Toolkit	ESA RUS Copernicus	-	-	-	-
Flood Monitoring with Sentinel-1 webinar	Webinar	ESA RUS Copernicus	https://www.youtube.com/watch?v=ux4tr7ux9d4	-	-	-
GloFAS Wiki	Guidance	ECMWF	https://confluence.ecmwf.int/display/CEMS/Global+Flood+Awareness	-	English	-

Help us expand this version! Visit eotec-dev.ceos.org and add your tools and resources.

Floods Working Group

Global use case, regional event analyses



Capacity Development Resources

[About](#) [Tools](#) [Capacity Development Resources](#) [Admin](#)

Name contains

Category

- Webinar
- MOOC
- Guidance
- Toolkit
- Use Case

Provider organization contains

Language

- English
- French
- Spanish

Target audience contains

Please browse the capacity building and training resources in our database by sorting through the list below. You can narrow down the selection of relevant resources by using filters on the left side. Please click on the "Filter" button to see the updated list or click "Clear" to get back to the full list again.

For the list of upcoming training events, visit the [CEOS Training Calendar](#).



If you are aware of the capacity building resource not currently in our database, please submit it by filling the form [HERE](#).

Name	Category	Provider organization	Url	Length of training	Language	Target audience
Experience with Earth Observation Tools for Flood Extent: Analysis of Five Regional Flooding Events	Use Case	EOTEC DevNet Thematic Working Group on Floods	https://drive.google.com/file/d/1ajMwWLNzhg5V2jtIYn4wmCv6d2X46S/view?usp=sharing	–	English	–
Flood Event Analysis: Ambon Island, Maluku Province (Indonesia)	Use Case	EOTEC DevNet Thematic Working Group on Floods	https://drive.google.com/file/d/1-2GArKyJTkrq4TJrp1TynkXpCRkzdBIU/view?usp=sharing	–	English	–
Flood Event Analysis: Chamoli (India)	Use Case	EOTEC DevNet Thematic Working Group on Flooding	https://drive.google.com/file/d/1XsFohcUx98oSBFWxPtcv3elXzyicmf4Q/view?usp=sharing	–	English	–
Flood Event Analysis: Cyclones Ana and Gombé (Malawi)	Use Case	EOTEC DevNet Thematic Working Group on Floods	https://drive.google.com/file/d/1NCVt8v0rkL4ozYcVacsNINSuxVVwd50c/view?usp=sharing	–	English	–
Flood Event Analysis: Ebro River Basin (Spain)	Use Case	EOTEC DevNet Thematic Working Group on Floods	https://drive.google.com/file/d/1luwTygNLzN2WzoX_oXWc7xxtphPUcBuw/view?usp=sharing	–	English	–
Flood Event Analysis: Hurricane-related flooding in Central America	Use Case	EOTEC DevNet Thematic Working Group on Floods	https://drive.google.com/file/d/11jdgTNCf9FaJDxzJ0-bwb6QCU1Ji5pBZ/view?usp=sharing	–	English	–

Network intelligence Management dashboard



- *Support coordination efforts*
- *Map stakeholders involved*
- *Identify duplication of efforts, gaps*

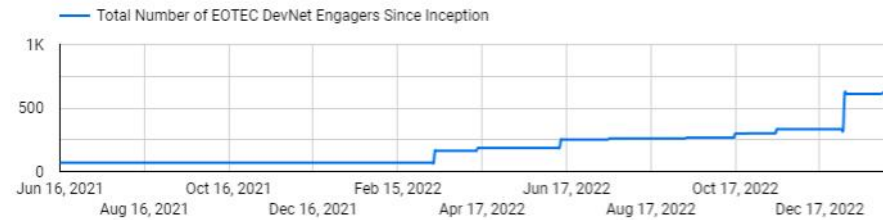
Please Click "Reset" Button above to go back to unfiltered dashboard

EOTEC DevNet STAKEHOLDER OUTLOOK

People Engaged
625.0

Countries Supported
87.0

Professions Supported
19.0



Advanced Management Filters

Professions

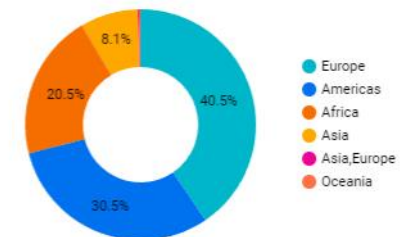
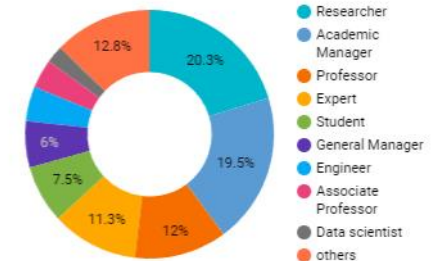
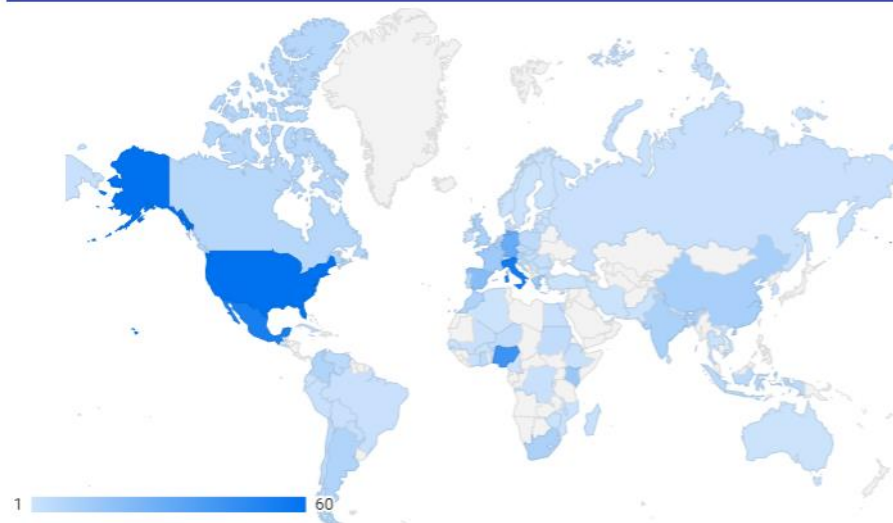
Engagement Type

Awareness channel

Specific Datasets (Events)

Perceived Benefit from EOTec

Base Countries of EOTEC DevNet Engagers

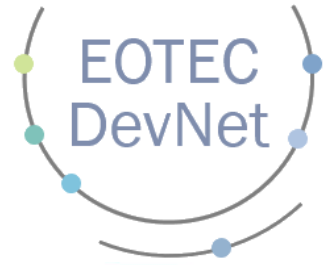


Foster collaboration Communication platform

➤ Available at

<https://eotecdev.net/>

- Entry point to capacity building resources and information
- Integration with CEOS Training calendar
- Platform for members to engage between meetings (share and look for information)

A screenshot of the EOTEC DevNet website homepage. The top navigation bar includes the EOTEC DevNet logo, links for "News", "Learn", "Connect", and "About", a search icon, and "Sign in" and "Sign up" buttons. The main content area features a large satellite image of a coastal region with a white text box containing the following text:

EOTEC DevNet

EOTEC DevNet is a global network of networks advancing the use of satellite-derived Earth information in decision-making. Our core business is fostering collaboration and coordination among providers of EO-related capacity building. We aim to support users everywhere by making training and tools more accessible, promoting best practices and sharing knowledge.

Below this is a "Network Updates" section with three cards:

- Upcoming Meetings: Regional Communities of Practice on June 21/22**

EOTEC DevNet Regional Communities of Practice meet on June 21/22. Visit this page to register and get a meeting invite. Below are the times for

[READ MORE](#)

June 5, 2023 • No Comments
- Global Flood Partnership Webinar on June 7**

EOTEC DevNet will present on the Flood Tools Tracker at the GFP Webinar. More information and registration link [HERE](#). Title: "Flood Tools Tracker: Helping Users"

[READ MORE](#)

June 4, 2023 • No Comments
- EOTEC Presents to Copernicus Networks**

EOTEC DevNet was introduced at the May Copernicus Networks Videoconference. Thank you to the Copernicus Support Office for this great opportunity to promote global collaboration

[READ MORE](#)

May 26, 2023 • No Comments

How Can I Get Involved with EOTEC DevNet?



01

Improve Flood Tracker

- Give it a try (<https://eotec-dev.ceos.org>) and offer feedback
- Add Flood Tools and Capacity Building Resources

02

Join the EOTEC Community

- Join Regional Community of Practice Task Team
- Join Thematic Working Groups

03

Learn More and Stay in Touch

- Sign up to our website at <https://eotecdev.net/register/>
- Follow us on Twitter and LinkedIn

Contact: EOTECDevNet@gmail.com

Join our Communities of Practice

Upcoming meetings



➤ Join our Network Intelligence Webinar:

- June 30, 13:00 UTC
- Registration available at:
<http://bit.ly/300eaRb>

➤ Join our regional Flood Working Groups:

- July 19/20, 75 minutes, 4 regions
- Previous spotlight presentation [Google Flood Hub](#)
- Registration available at:
<http://bit.ly/3CPcBin>





Thank you for your attention!

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