

**EOTEC DevNet**

Earth Observation Training, Education, and Capacity Development Network

*An initiative of the Committee on Earth Observation Satellites (CEOS)*

**EARTH OBSERVATION TRAINING, EDUCATION, AND  
DEVELOPMENT NETWORK (EOTEC DEVNET): A  
COLLABORATIVE NETWORK OF NETWORKS APPROACH**

**Nancy D. Searby, Ph.D.**

**NASA/EOTEC DevNet leadership team**

*COPUOS Scientific and Technical Subcommittee, February 14, 2022*



Committee on Earth Observation Satellites

# Much in common with COPUOS

## 63 agencies operating 201 satellites

## Priority on helping achieve UN goals

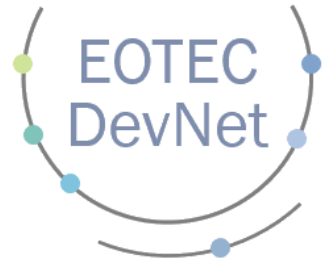
- 2030 Agenda for Sustainable Development
- Sendai Framework on Disaster Risk Reduction
- Paris Climate Agreement

## 2021-23 workplan has nearly 100 deliverables

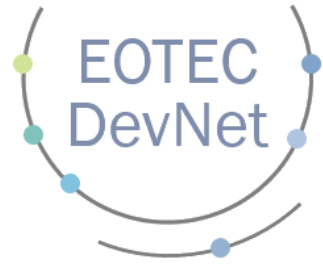
- Actions on climate change, disasters, water, agriculture – and, of course, **capacity building**
- Highlights:
  - *Open Science and Decision Support*
  - *Carbon observations*
  - *Analysis-ready data*
  - **EOTEC DevNet**



# What do you see in this map?

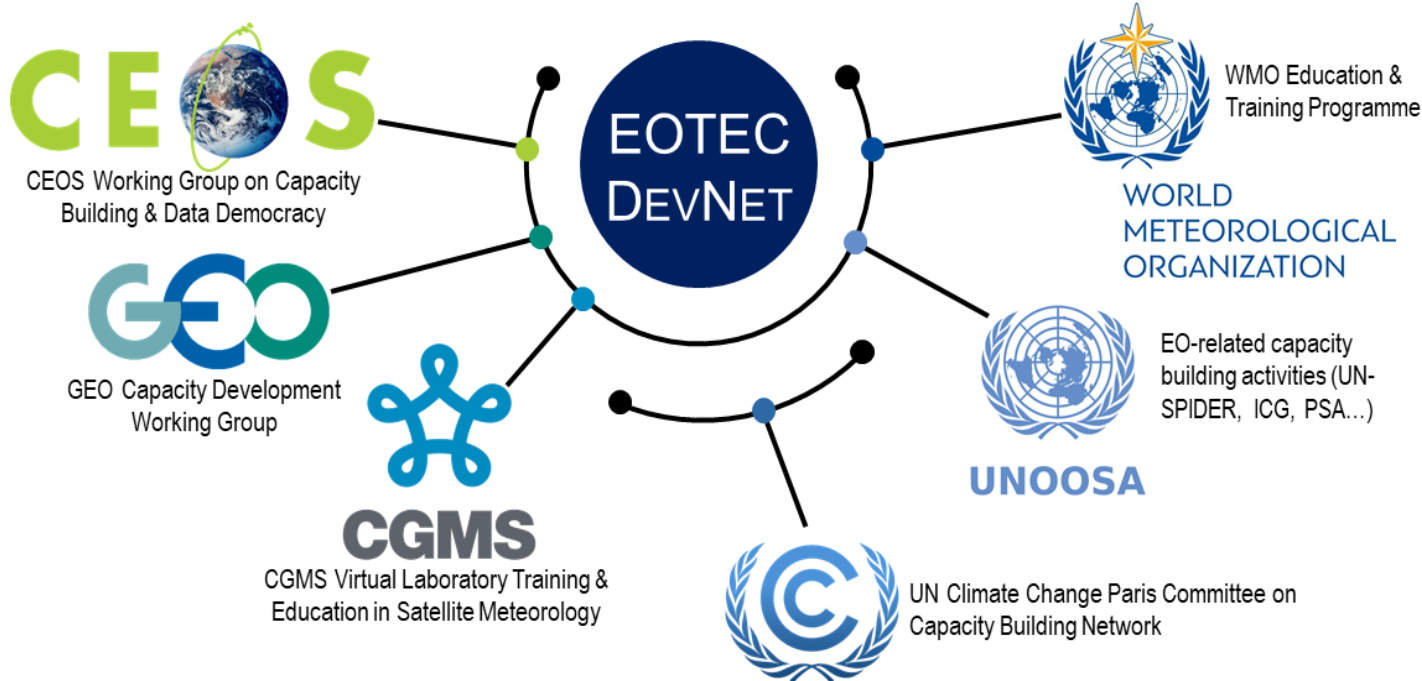
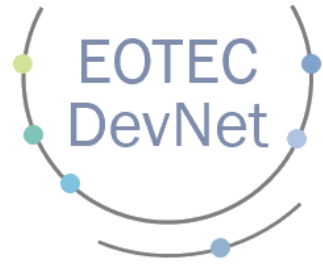


# Leveraging a vast global network



# Who we are

## EOTEC DevNet Partners



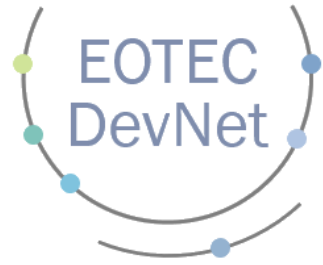
### AIM

- *Improve collaboration among EO-capacity building providers*
- *Foster exchange of capacity building resources*
- *Support needs assessment*

*THEMATIC FOCUS: Global sustainable development outcomes related to disaster risk reduction, climate adaptation and climate mitigation*

Who we are

# The network we are building



Regional Communities of Practice (COP)

+

Global Structures



Africa, Americas, Asia/Oceania, Europe

Regional Task Teams

Thematic Working Groups

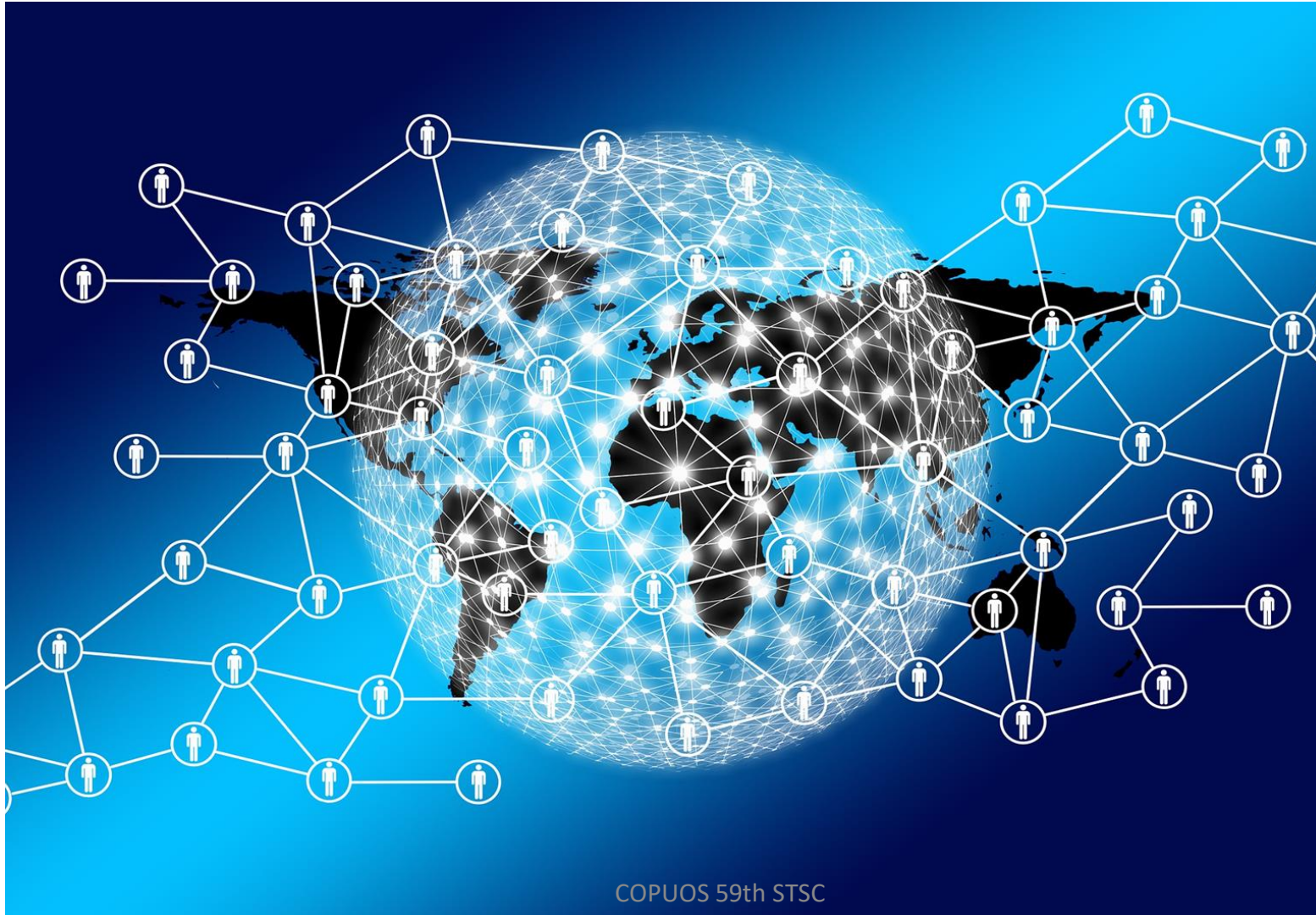
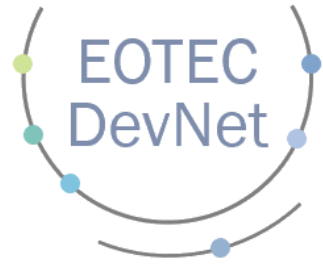
Leadership

Task Team

Secretariat

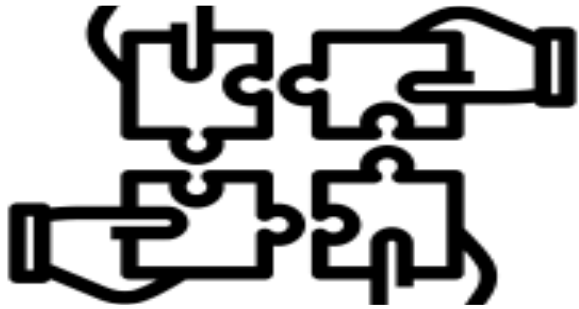
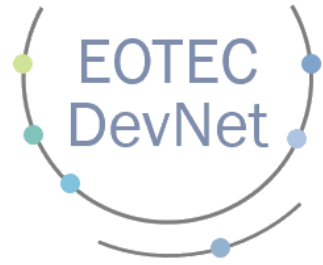
*Regional communities of practice*

# Our biggest challenge and greatest opportunity



## Regional communities of practice

# Task teams lead; working groups by technical theme



Task teams

### ROLE:

- Quarterly meetings with online collaboration in between
- Support work products, e.g. trackers on existing tools
- Identify gaps and set priorities for regional capacity building
- Support thematic working groups



Thematic working groups

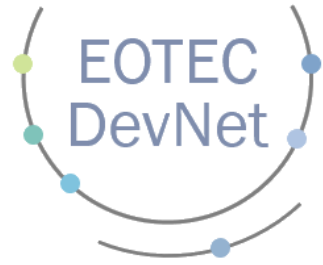
### ROLE:

- Meetings twice/year with online collaboration in between
- Support work by theme, e.g., floods, droughts, wildfires, landslides
- Identify gaps and set priorities for regional capacity building



## EOTEC work products

# Tracker for capacity building flood tools in progress



### The tracker covers:

- Tools for flood forecasting, response and risk management
- Relevant capacity building resources
- Gaps in both tools and available capacity building
- To be hosted on CEOS.org
- Anticipated launch in mid-2022

A screenshot of a web application interface for tracking flood tools. The interface is divided into several sections. On the left is a navigation menu with categories like "AUTHENTICATION AND AUTHORIZATION" (Groups, Users) and "FLOOD CAPACITY DEVELOPMENT MATRIX" (Complexities, Flood Capacity Development Resources, Flood Tools, Geographic Product Locations, Input Network Members, Input Networks, Languages, Need Assessments, Resource Categories, Tool Categories). The "Flood Tools" item is highlighted. The main content area is titled "Select Flood Tool to change" and features a search bar with an "Action:" dropdown, a "Go" button, and a selection count of "0 of 35 selected". Below this is a list of tools, each with a checkbox and a name: FLOOD TOOL, X, FANFAR, FloodHub 24/7 Real-Time Floods Monitoring service, NIGHSA Nigerian hydrological services agency, Multi-Sensor Flood Monitoring System, Global Flood Monitoring, Hydrology TEP Flood Monitoring Service, Copernicus EMS Rapid Mapping Activations, FanFAR, Global Flood Awareness System (GloFAS), and European Flood Awareness System (EFAS). On the right side, there is a "FILTER" section with a dropdown menu for "By approval status" showing options for "All", "Approved", and "Pending". At the top right of the main area is a button labeled "ADD FLOOD TOOL +".

## *Regional communities of practice*

# Benefits of participation

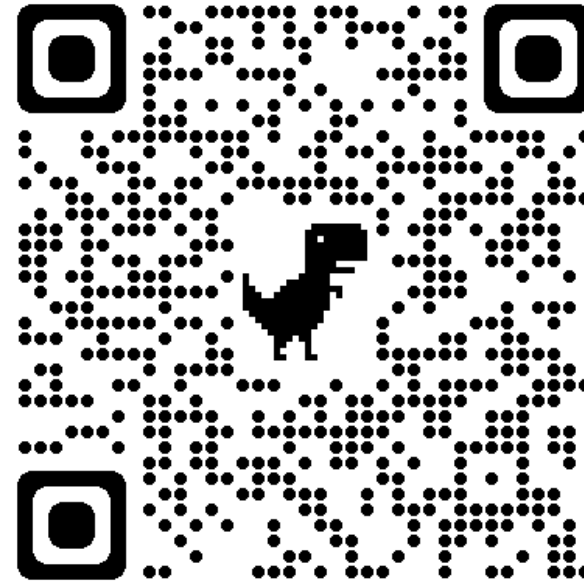
- ✓ *Connect and build relationships with global and regional experts*
- ✓ *Tap into capacity building resources to support work “at home”*
- ✓ *Help set priorities for the region*
- ✓ *Find partners and identify opportunities for other collaborations*
- ✓ *Build professional skills and international experience*
- ✓ *Give back to the capacity building community*

## *Regional communities of practice*

# What's next: we need your help!

- Participate in the upcoming regional meetings – March 16 and 17
- Please share this information with your contacts and encourage them to join a community of practice
- Get more info and sign up for updates on our website

<https://ceos.org/eotec>



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