

Working Group on Capacity Building & Data Democracy (WGCapD)

Presentation for WG Disasters March 17, 2022 at 13:45 UTC

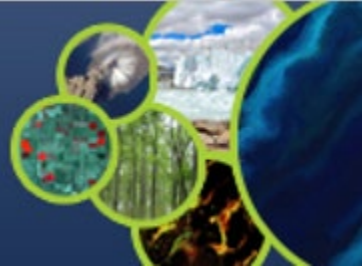
Mr. Jorge Del Rio Vera

UNOOSA, WGCapD Chair
Jorge.delriovera@un.org

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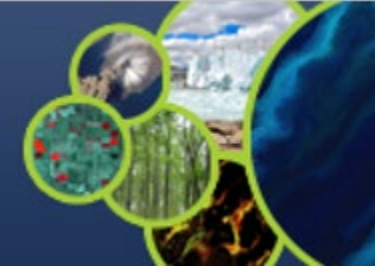




- 1. What is WGCapD?**
- 2. WGCapD tools**
- 3. What is in the WGCapD workplan?**
- 4. Findings during WGCapD-11**

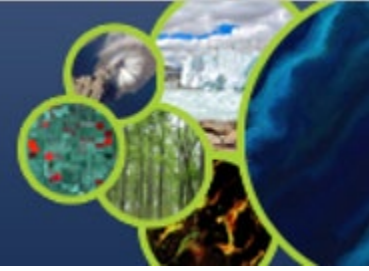


1. What is WGCapD?



- ❑ Working Group on Capacity-Building and Data Democracy
- ❑ Mission: *“to increase the capacity of institutions in less developed countries for effective use of Earth Observation data for the benefit of society and to achieve sustainable development. The WGCapD will focus and unify CEOS efforts toward providing **wider and easier access** to Earth Observation data, increasing the sharing of **software tools** such as the use of open source software and open systems interface, **increasing data dissemination capabilities**, transferring relevant **technologies to end users**, and providing intensive capacity building, education, and training in multiple formats”*
- ❑ Increase user uptake
- ❑ Very open membership
 - ❑ Longstanding members
 - ❑ “New” space agencies
 - ❑ Academia



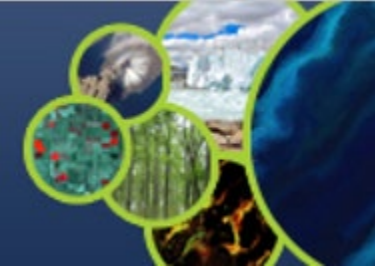


- **CEOS Training Calendar** – <https://training.ceos.org/>
- **CEOS WGCapD Resources Webpage** – <http://ceos.org/ourwork/workinggroups/wgcapd/resources-2/>
 - Best practices guide for conducting trainings
 - Training report template
 - Sample post-training questionnaire
 - Links for various capacity building portals and web resources
- **Distribution Lists** – WGCapD maintains several distribution lists that can be used for sharing appropriate news and opportunities

POCs:

WGCapD Chair
Mr. Jorge Del Rio Vera (UNOOSA)
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Mr. Dan Matsapola (SANSA)
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- Focus on on-line learning through e-learning, MOOCs, webinars, and blended learning approaches.
- EOTEC DevNet will continue connecting CEOS WGCapD with other global networks through Pilot Phase 2, which concludes in March 2023.

EOTEC DevNet

- Flood Tracker
- Drought Tracker

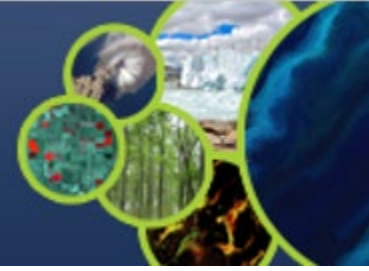
Number	Objective/Deliverable Title	Projected Completion	Responsible CEOS Entity(ies)
Global Deliverables			
CB-20-01	Earth Observations Toolkit for Sustainable Cities and Human Settlements Training Webinar	2022 Q1	WGCapD
CB-21-04	Zero Hunger MOOC	2022 Q2	WGCapD
CB-21-06	Space Based Observations for Meteorological Hazards	2022 Q2	WGCapD
CB-22-01	Webinar on Agricultural Crop Monitoring with SAR and Optical Remote Sensing	2022 Q2	WGCapD
CB-22-02	Webinar on Air Quality Data Access and Analysis from Geostationary Satellites	2022 Q3	WGCapD
CB-22-03	Webinar on Satellite Remote Sensing for Urban Heat Islands	2022 Q3	WGCapD
CB-22-04	Earth Observation and Recovery Observatories – Capacity-Building for Decision Makers	2022 Q4	WGCapD, WGDisasters
CB-22-05	Indigenous Mapping Workshop 2022	2022 Q4	WGCapD
CB-22-06	Webinar on joint applications for land and climate	2023 Q3	WGCapD
CB-22-07	Open-Source Science Outreach Plan and Training	2023 Q4	WGCapD

3.2 Regional deliverables



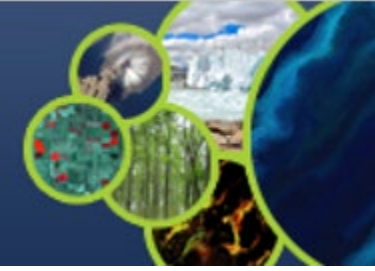
- Focus on support to regional GEOs: AfriGEO and AmeriGEO.
- Support trainings in conjunction with regional societies and other meetings.
- Leverage single-agency regional activities as possible.

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<i>Regional Deliverables</i>			
CB-20-21	Copernicus User Uptake in Africa	2023 Q4	WGCapD
CB-20-23	AmeriGEO Contribution	2022 Q2	WGCapD
CB-20-24	Remote Sensing Training in Africa	2022 Q4	WGCapD
CB-22-08	Copernicus training of trainers in Africa	2024 Q4	WGCapD



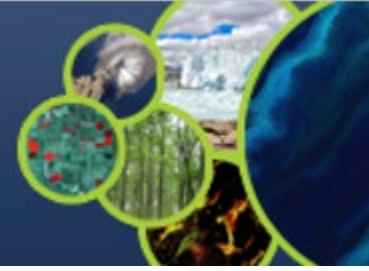
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<i>National Deliverables</i>			
CB-20-12	Collaborative Feasibility Study (Mexico)	2022 Q3	WGCapD, SEO
CB-20-14	Indigenous Peoples-focused In-Person Training (Australia)	2022 Q2	WGCapD, SEO
CB-20-15	SAR Training for Forest and Rice Monitoring (Vietnam)	2022 Q2	WGCapD
CB-22-09	Chesapeake Bay Feasibility Study	2022 Q4	WGCapD



- Enablers, with a focus on sharing of best practices and resources, convening key stakeholders, and addressing users' needs.

Number	Objective/Deliverable Title	Projected Completion	Responsible CEOS Entity(ies)
<i>Infrastructure Deliverables</i>			
CB-20-06	Metadata Standards Tiger Team	2022 Q2	WGCapD, WGISS
CB-20-07	Best Practice Guide to E-Learning	2022 Q3	WGCapD
CB-20-08	Virtual EO Education Conference	2022 Q2	WGCapD
CB-21-03	EOTEC DevNet Tools and Information Collection	2022 Q4	WGCapD
CB-22-10	Sentinel Selected Applications: practical training with Jupyter Notebooks on the ESA EO Platform	2022 Q4	WGCapD
CB-22-11	EOTEC DevNet Pilot Phase 2 Report	2023 Q1	WGCapD
CB-22-12	EOTEC DevNet Multi-Stakeholder Network Analysis	2023 Q1	WGCapD
CB-22-13	Jupyter Notebooks Foundations Webinar	2023 Q3	WGCapD, WGISS
CB-22-14	EO Capacity Building Curriculum	2023 Q4	WGCapD



EDUCATION/TRAINING

Google Earth Engine and cloud service providers

Private sector participants (both receiving and providing training)

Training on EO+ UAV/drones

DATA ACCESS

Higher resolution data with fewer national barriers

USER UPTAKE

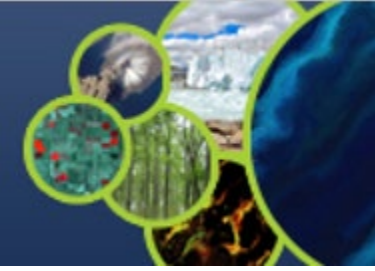


SOFTWARE TOOLS

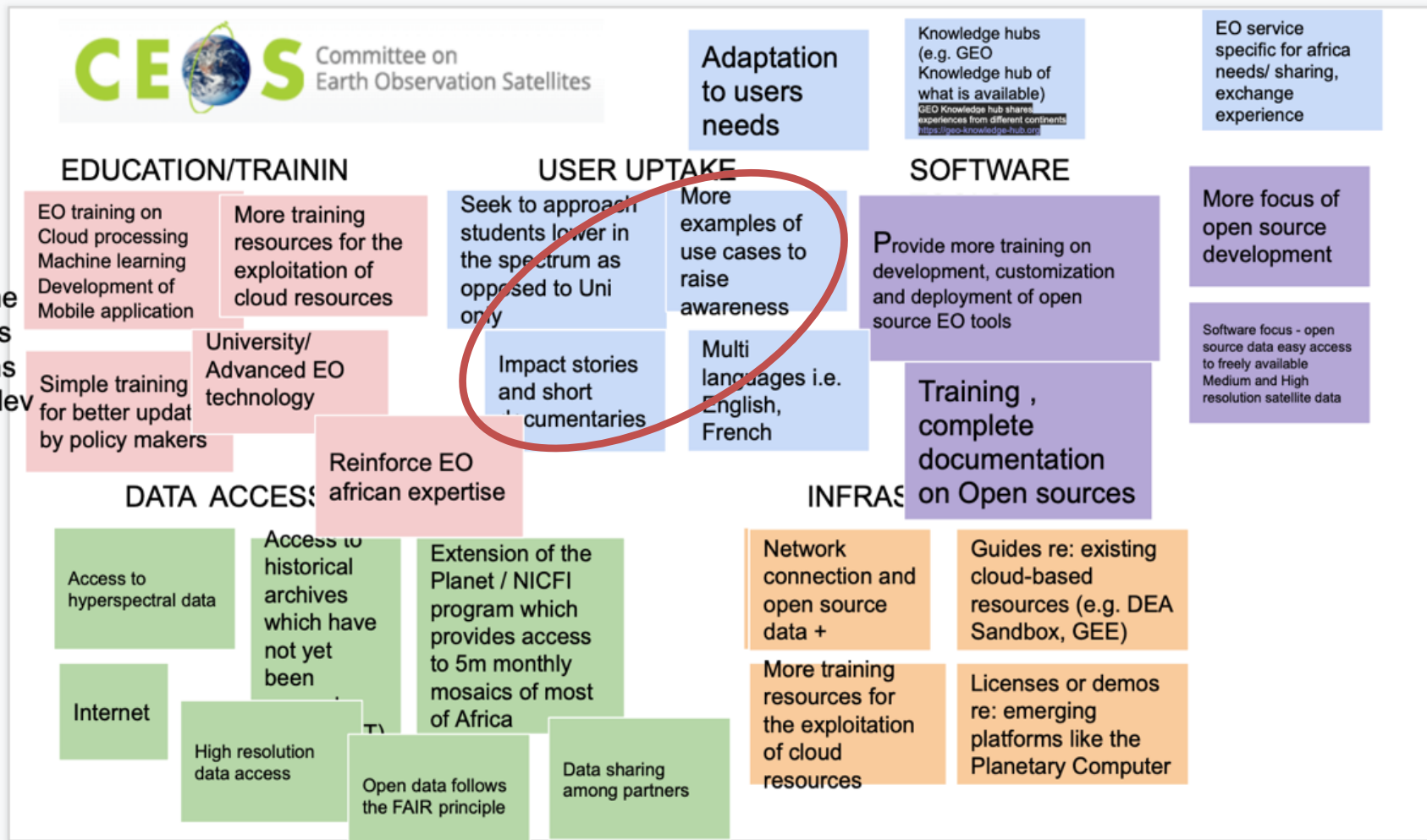


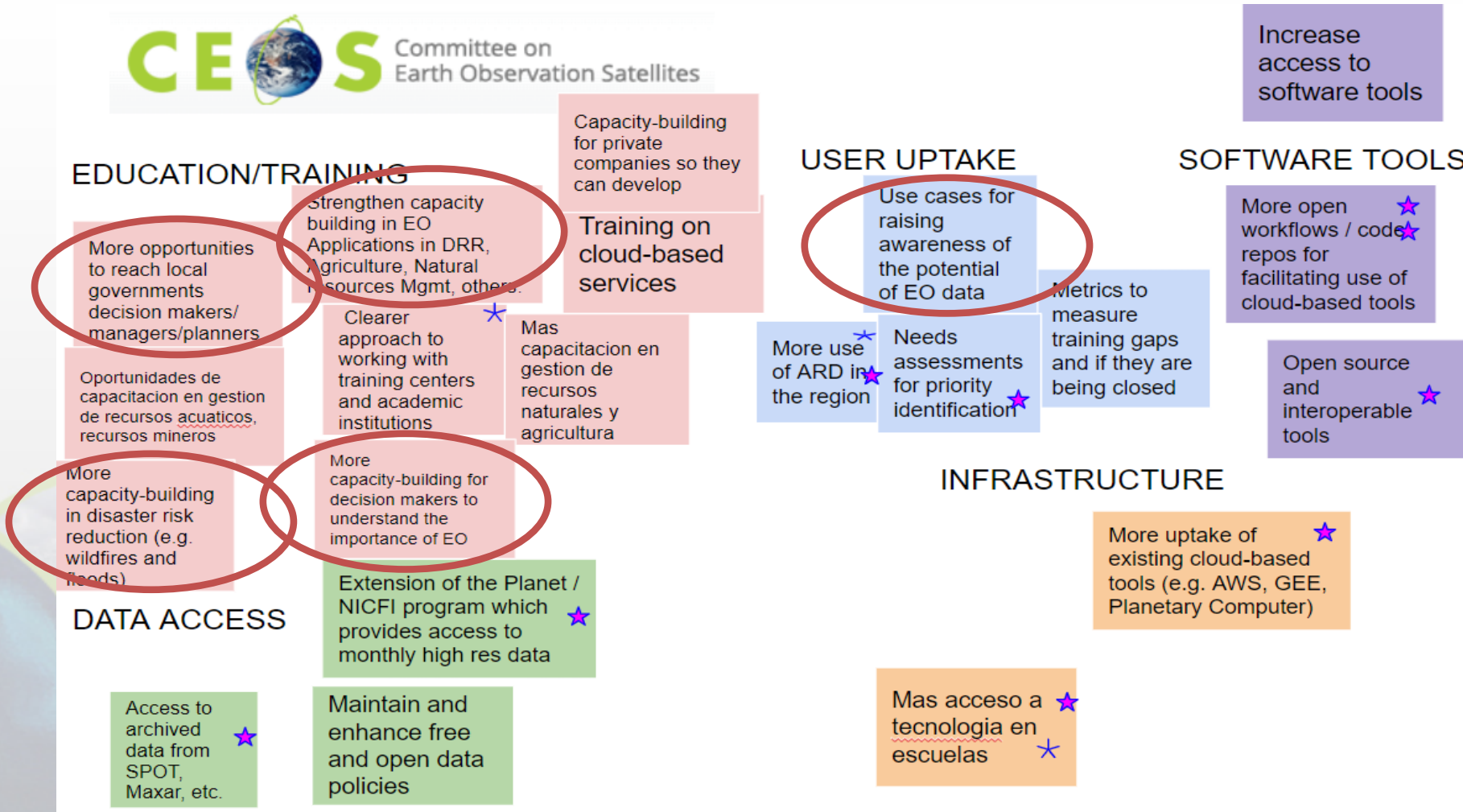
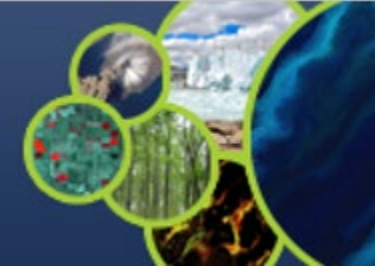
INFRASTRUCTURE

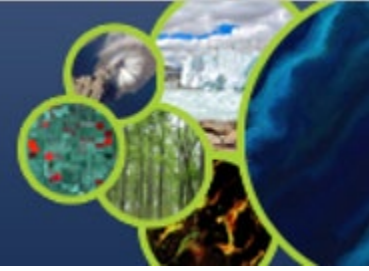




More programme Internships for Africans students/dev services







EOTEC DEVNET CoP MEETINGS MARCH 16/17

AFRICA region
March 16, 12:00-
13:15 UTC
[Agenda](#)

AMERICAS region
March 16, 16:00-17:15
UTC
[Agenda](#)

ASIA/OCEANIA
region
March 17, 03:00-
04:15 UTC
[Agenda](#)

EUROPE region
March 17, 15:00-16:15
UTC
[Agenda](#)

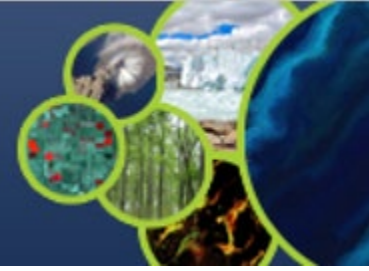
A request...Please join. Please share!



Meeting dates, times and provisional agendas

- Registration is [here](#).
- Meeting flier is [here](#).
- Visit www.ceos.org/eotec for detailed information

<https://ceos.org/eotec>



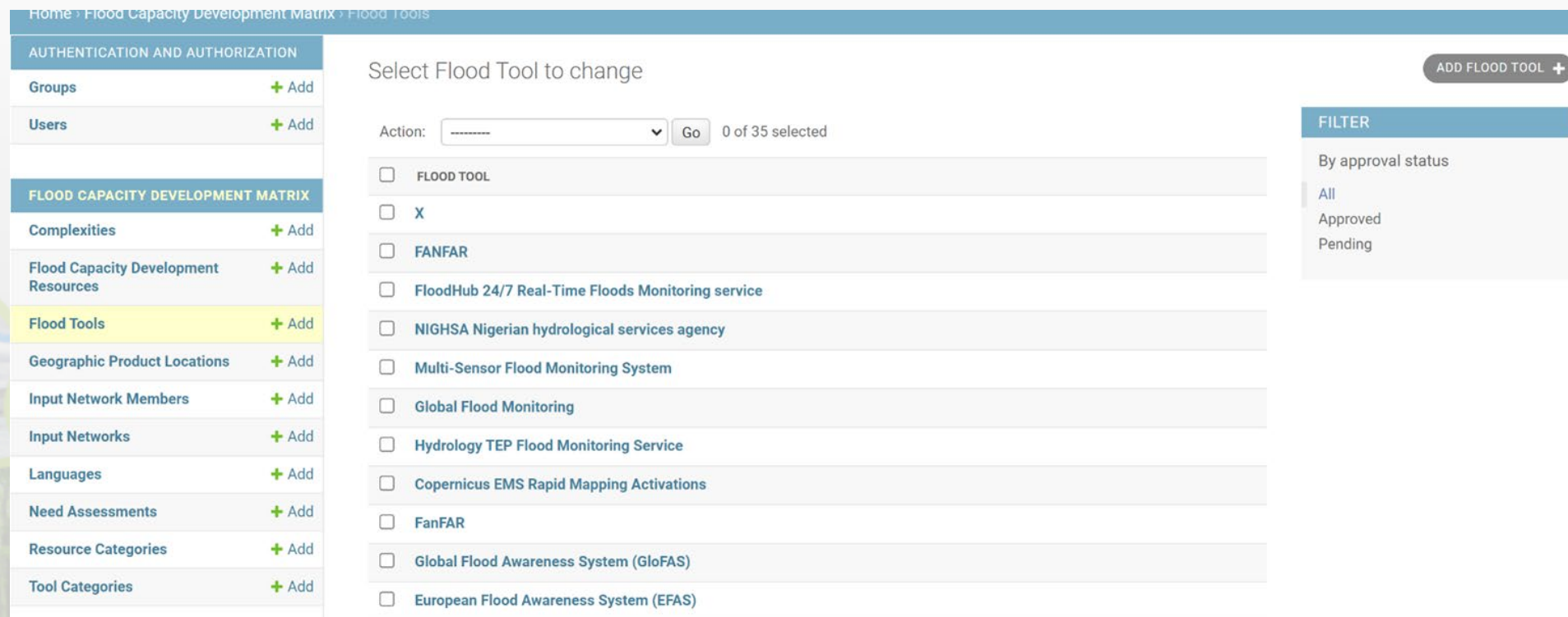
Tracker for flood capacity building tools in progress

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**



The screenshot shows a web application interface for managing flood capacity building tools. The breadcrumb trail is "Home > Flood Capacity Development Matrix > Flood Tools".

Left Sidebar (Navigation Menu):

- AUTHENTICATION AND AUTHORIZATION**
 - Groups + Add
 - Users + Add
- FLOOD CAPACITY DEVELOPMENT MATRIX**
 - Complexities + Add
 - Flood Capacity Development Resources + Add
 - Flood Tools + Add** (highlighted)
 - Geographic Product Locations + Add
 - Input Network Members + Add
 - Input Networks + Add
 - Languages + Add
 - Need Assessments + Add
 - Resource Categories + Add
 - Tool Categories + Add

Main Content Area:

Select Flood Tool to change

Action: [dropdown] Go 0 of 35 selected

ADD FLOOD TOOL +

FLOOD TOOL
<input type="checkbox"/> X
<input type="checkbox"/> FANFAR
<input type="checkbox"/> FloodHub 24/7 Real-Time Floods Monitoring service
<input type="checkbox"/> NIGHSA Nigerian hydrological services agency
<input type="checkbox"/> Multi-Sensor Flood Monitoring System
<input type="checkbox"/> Global Flood Monitoring
<input type="checkbox"/> Hydrology TEP Flood Monitoring Service
<input type="checkbox"/> Copernicus EMS Rapid Mapping Activations
<input type="checkbox"/> FanFAR
<input type="checkbox"/> Global Flood Awareness System (GloFAS)
<input type="checkbox"/> European Flood Awareness System (EFAS)

RIGHT SIDEBAR (FILTER):

By approval status

- All
- Approved
- Pending

END

