EOTEC DevNet: Working toward Coordinated EO Capacity Building

CALMet XV 2023

Presented by the EOTEC DevNet Secretariat

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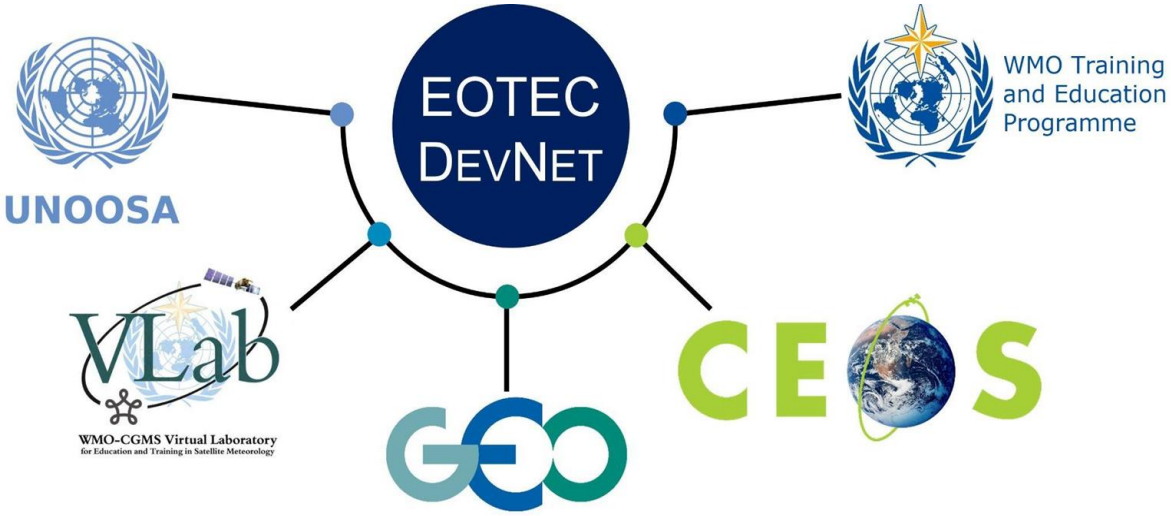
November 2023

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

- Network of networks
- Launched in March 2021
- 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*



Founding partners and leadership team

eotecdev.net

@EOTEC DevNet

#EOTECDevNet

How the network operates

EOTEC DevNet

Regional Communities of Practice (CoPs)

- Africa, Americas, Asia/Oceania, Europe
- Regional Task Teams
- Thematic Working Groups

800+ people

+

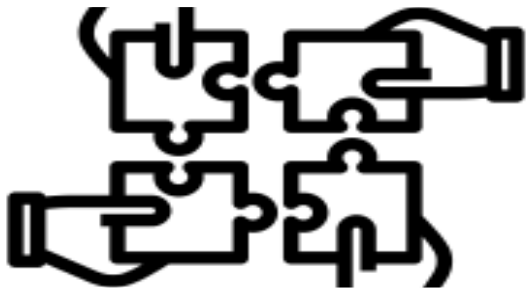
Global Structures

- Leadership Team
- Task Team
- Secretariat

6 continents

Regional communities of practice drive our work

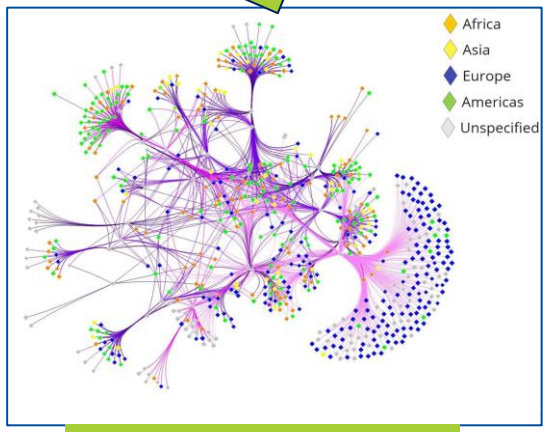
Task teams lead; working groups by technical theme



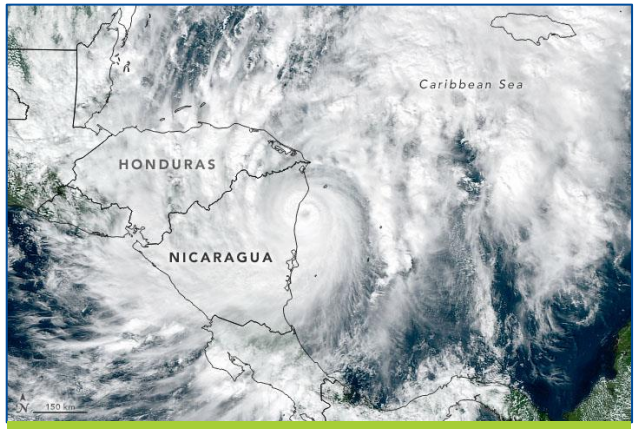
Task teams

Thematic working groups

Recent products…



Network analysis



Global case on flood extent tools

Flood tools tracker: https://eotec-dev.ceos.org

Sharing knowledge and information

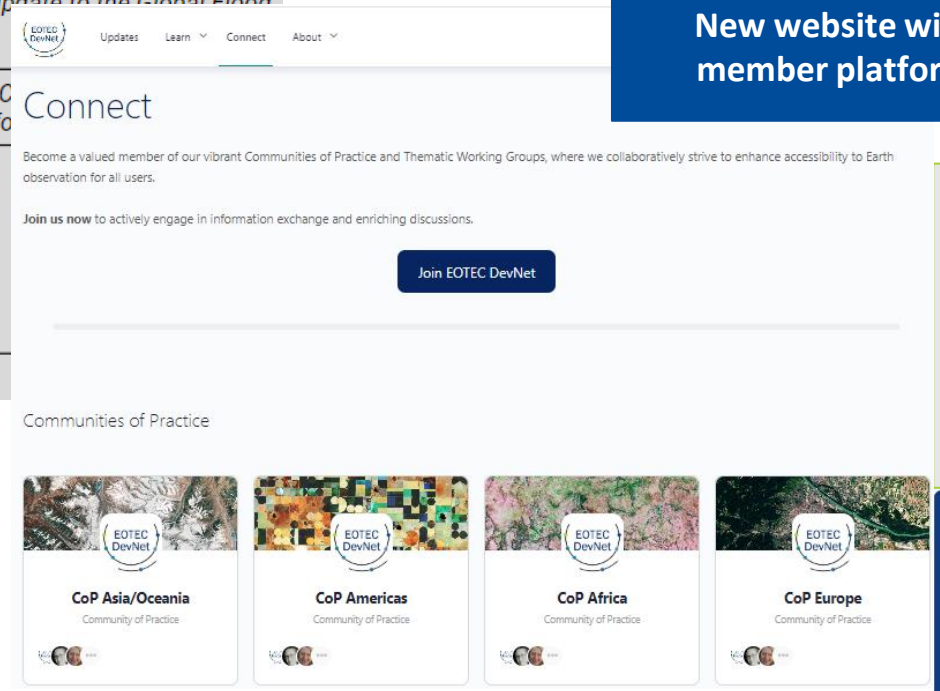
Extending the reach of regional and global capacity building

Today's agenda

Time (UTC)	Agenda item
13:00	Welcome
13:05	Introductions
13:10	EOTEC Flood Working Group "Year in review"
13:15	Spotlight presentation - *An overview of the major update to the Global Flood Awareness System (GloFAS) (version 4.0)*
13:40	Discussion: *The Early Warnings 4 All Initiative: Are C… EOTEC DevNet support with knowledge sharing, info…*
13:55	Secretariat updates • Website launch • Flood use case update • Drought working groups launch • Copernicus webinar Nov 15 • EO needs assessment guidance
14:05	Upcoming opportunities

Quarterly CoP task team and working group meetings for all four regions

New website with member platform



Online webinars and spotlights

Meet the New Copernicus Data Space Ecosystem!

Webinar**:** Nov. 15 at 14:00 UTC

Register at https://bit.ly/3RHQe7h

Guidance and tools to make Earth information more accessible

Flood tools tracker: new iteration planned for 2024

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

https://eotec-dev.ceos.org

Expanding technical coverage with new droughts working groups

Volunteers collaborating on a similar matrix for droughts

Keynote: *Global Water Partnership's Integrated Drought Management Programme - recording on www.eotecdev.net*

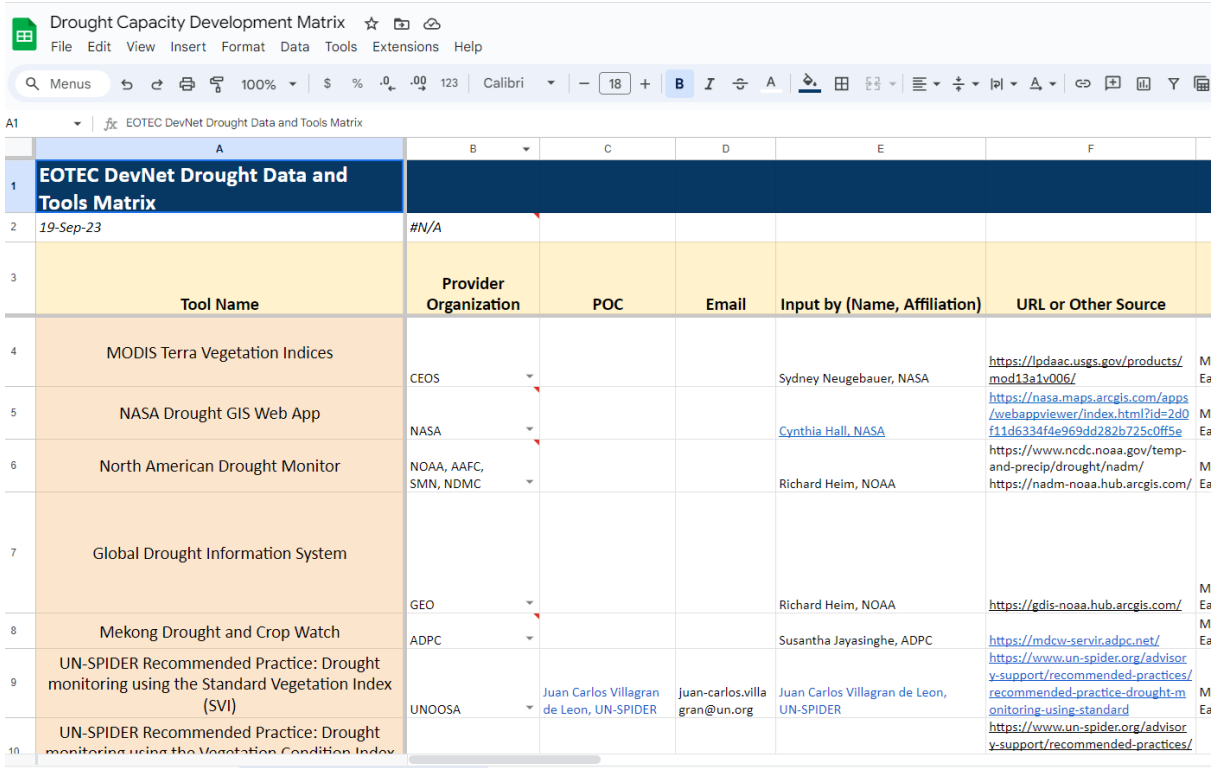
INTEGRATED DROUGHT MANAGEMENT PROGRAMME

Who do you know who might be interested? Please share with your network!

First task: drought tools matrix

****Please review and add resources****

Link to drought tools matrix



Drought Capacity Development Matrix

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A1 | EOTEC DevNet Drought Data and Tools Matrix

	A	B	C	D	E	F
1	**EOTEC DevNet Drought Data and Tools Matrix**					
2	*19-Sep-23*	*#N/A*				
3	**Tool Name**	**Provider Organization**	**POC**	**Email**	**Input by (Name, Affiliation)**	**URL or Other Source**
4	MODIS Terra Vegetation Indices	CEOS			Sydney Neugebauer, NASA	https://lpdaac.usgs.gov/products/mod13a1v006/
5	NASA Drought GIS Web App	NASA			Cynthia Hall, NASA	https://nasa.maps.arcgis.com/apps/webappviewer/index.html?id=2d0f11d6334f4e969dd282b725c0ff5e
6	North American Drought Monitor	NOAA, AAFC, SMN, NDMC			Richard Heim, NOAA	https://www.ncdc.noaa.gov/temp-and-precip/drought/nadm/ https://nadm-noaa.hub.arcgis.com/
7	Global Drought Information System	GEO			Richard Heim, NOAA	https://gdis-noaa.hub.arcgis.com/
8	Mekong Drought and Crop Watch	ADPC			Susantha Jayasinghe, ADPC	https://mdcw-servir.adpc.net/
9	UN-SPIDER Recommended Practice: Drought monitoring using the Standard Vegetation Index (SVI)	UNOOSA	Juan Carlos Villagran de Leon, UN-SPIDER	juan-carlos.villagran@un.org	Juan Carlos Villagran de Leon, UN-SPIDER	https://www.un-spider.org/advisory-support/recommended-practices/recommended-practice-drought-monitoring-using-standard
10	UN-SPIDER Recommended Practice: Drought monitoring using the Vegetation Condition Index					https://www.un-spider.org/advisory-support/recommended-practices/

Sharing best practices

CoPs working on guidance on EO needs assessment

CoP worksheet_Existing needs assessments and other resources

File Edit View Insert Format Data Tools Extensions Help

A1:E1 | This sheet aggregates existing resources for capacity building needs assessments, especially related to Earth observations, GIS and related skills

	A	B	C	D	E
1	*This sheet aggregates existing resources for capacity building needs assessments, especially related to Earth observations, GIS and related skills*				
2	**RESOURCE TITLE**	**LINK**	**PRODUCED BY?**	**GEOGRAPHIC FOCUS**	**TECHNICAL A**
3	Online capacity assessment tool, training resources, case studies	https://www.cadri.net/ "https://www.cadri.net/cadritool/home https://www.cadri.net/training-e-catalogue"	Capacity for Disaster Reduction Initiative (CADRI)	Global	DRR and Climate Change
4	Skills shortages, gaps and mismatches between supply and (future) demand	http://www.eo4geo.eu/download/eo4geo_d1-5-skills-shortages-gaps-and-mismatches-between-supply-and-future-demand_v2-2/?wpdmdl=4773&masterkey=5e454ec9238e2	EO4GEO	Europe, adding business perspective	
5	Business processes and occupational profiles	http://www.eo4geo.eu/download/d4-1_business-processes-and-occupational-profiles_v2-0/?wpdmdl=4827&masterkey=5e45a07016892	EO4GEO	Europe, adding business perspective	
6	Preliminary needs assessment in the Caribbean	https://servir.ciat.cgiar.org/first-steps-for-servir-amazonia-in-the-caribbean/	SERVIR	Trinidad, Tobago, Barbados, Suriname, The Bahamas	
7	User Needs Assesment Amazonia, 2019	https://cgspace.cgiar.org/handle/10568/105879	SERVIR/Amazonia/Colombia	Colombia	
8		https://cgspace.cgiar.org/handle/10568/107870	SERVIR/Amazonia/Ecuador	Ecuador	
9		https://cgspace.cgiar.org/handle/10568/105880	SERVIR/Amazonia/Peru	Peru	
10		https://cgspace.cgiar.org/handle/10568/105878	SERVIR/Amazonia/Brazil	Brazil	
	Mapping the Engagement of the				

- Matrix for tracking resources on EO needs assessment
- Plan to “crowd-source” content from the CoP
- Basis for a web-based tool, similar to the flood tools tracker.

JOIN THE EFFORT!

Please visit the document and add resources

Link to document

Make a difference with your work

Be part of our growing network of capacity builders

Join our quarterly regional CoP meetings

Next group meetings:
Task teams: Dec 6/7
Floods WG: Jan 17/18,

Contribute to the Flood Tools Tracker

Contribute to the EO needs assessment matrix and drought tools matrix

Engage with global peers and share your research through our online member platform

Visit www.eotecdev.net for more information

eotecdev.net

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