

Resources:

- **CEOS Training Calendar** – <https://training.ceos.org/events/>
- **Webinar Toolkit** – in development, will be posted on the CEOS website by early April



Deliverable:

- **Capacity Development for Flooding Plan (2021 Q4)** – lead: NASA
 - Building upon the WGCapD-10 discussions on flood-specific capacity development, develop a plan with key activities and approaches, needs assessment, and new collaboration models
 - Link to WGDIsasters deliverable DIS-20-06, Open Science and Decision Support for Floods

WGCapD Deliverables: 2021 Trainings

- **Jupyter notebooks awareness webinar (2021 Q3)** – WGISS & WGCapD collaboration
- **MOOC on disaster risk management (2021 Q2)** – lead: ISRO
- **Advanced multi-lingual MOOC on radar backscatter (2021 Q2)** – lead: DLR
- **Virtual course on space-based observations for meteorological hazards (2021 Q3)** – lead: ISRO
- **SAR mini-MOOC: Winter, Water and Warming (Canada) (2021 Q3)** – lead: CSA

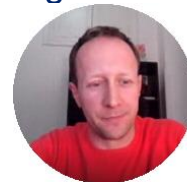


- *Theme this year: Building a Vision for the Next Decade*
 - Follow enabling framework from Keynote Speaker Barb Ryan, Executive Director of WGIC
 - open data, building on what's been done, integration and coordination (internally and nationally, regionally and globally), and hyper-partnering
- The EO community has grown tremendously, largely because of access to open data: *"You no longer need to have a PhD to engage on EO"*
- Need strategic thinking about how to leverage increasing private sector engagement
- True inclusion involves: 1) advocacy on costs of EO application and 2) use of languages other than English
- Strong support for EOTecDevNet; interest in learning more about how it aligns with other activities
- Consensus that a flood dashboard would be useful





- Key need: foster EO literacy among various target audiences, recognizing that each have their own interests and needs
 - Need to articulate the value proposition of EO to decision-makers/funders
 - Need to systematically assess barriers to use for developing countries, including: the costs of processing in the cloud, infrastructure limitations, internet limitations, sustaining local/national skills, etc.
 - Integration and coordination more effective with that literacy
- Importance of fostering diversity and inclusion, especially among youth and via use of languages other than English
- Important to keep building the community of practice, especially outreach to private sector, thinking about ways to support start-ups
- Critical to CB to integrate space applications into existing decision-making processes
- CEOS should be a catalyst for “hyper-partnering” regionally and nationally:
 - Will help WGCapD conduct accurate needs assessments
 - Should foster fit-for-purpose solutions, with emphasis on fostering awareness, coordination and collaboration, rather than implementing





- Need greater investment in urban flood models
- Learning from recent India landslide-induced Uttarakhand flood:
 - simpler threat assessment tools needed, with skilled personnel to use them
 - need better early warning and better integration of climate models
 - WGCapD opportunity: bring together domain experts and those with expertise in developing tools for new users
- Suggestion to create a regional flood dashboard so that what is learned and data is shared
- Mandated by UN General Assembly to promote use of space based information, UN SPIDER orients its work toward both policy-makers and technical experts, seeking to leverage ongoing decision-making and reporting through global development frameworks
- Technical advisory missions have helped identify strengths, weakness and needs, but sustained presence and/or connection is required to move processes forward
- WGDisasters pilot is focused primarily on advancing flood risk monitoring and mapping with new datasets and evidence





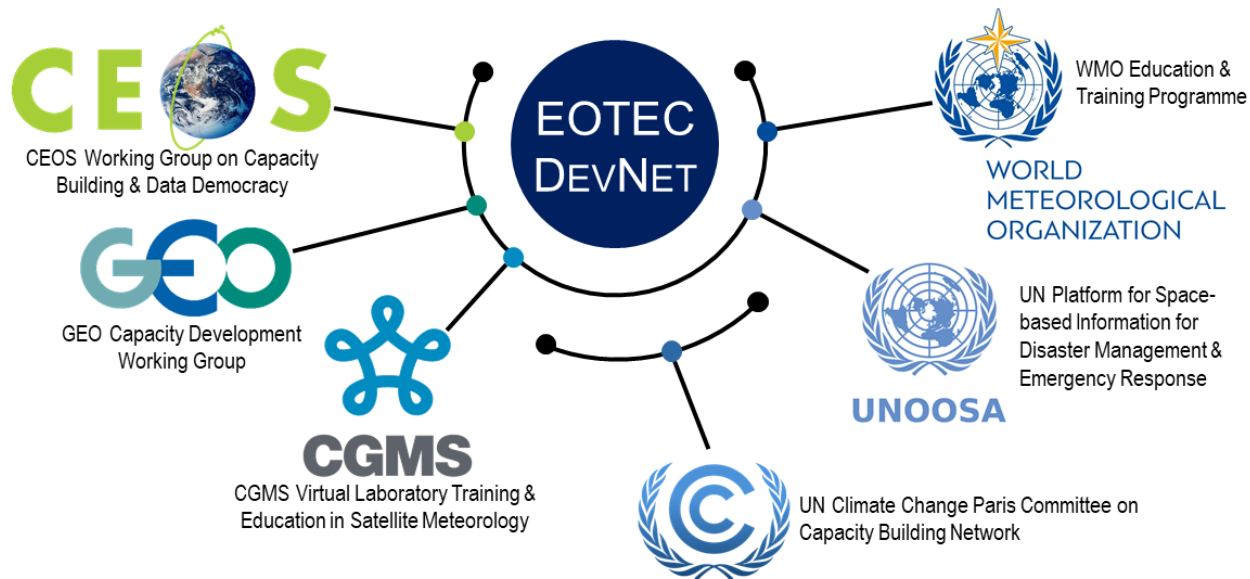
Earth Observation Training, Education, and Capacity Development Network

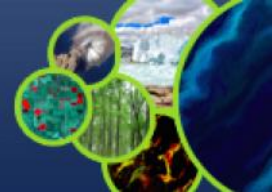
Primary Focus:

- Network to network leadership & coordination
- Provide a community of practice for capacity building
- Ongoing needs & capacity gap assessments

Pilot Activity Focus:

- Nexus of sustainability frameworks: disaster risk reduction plans, climate adaptation & mitigation plans, and associated vulnerability assessments
- WGCapD-10 pilot discussions around flooding





- *Phase 1: Now through CEOS Plenary (October 2021)*
 - Continue outreach
 - Develop Theory of Change as well as Monitoring & Evaluation approach
 - Continue to refine concept of operations, and define resource requirements
 - In addition to current endorsements, get broader network leadership endorsement
 - Hold next regional meetings and first leadership coordination meeting
 - Collect training, education, and capacity development gaps, overlaps, and resources to use satellite and other space-based asset data to address the pilot topic of floods
 - Define approach to collect training, education, and capacity development gaps, overlaps, and resources that inform disaster risk reduction planning, climate adaptation and mitigation planning, and associated vulnerability assessments
 - Summarize Phase 1 results to inform respective network planning and the global stocktake.
- Plan network of networks signing ceremony in CEOS Plenary timeframe



- *Phase 2: Post-CEOS Plenary (October 2021 – March 2023)*
 - Implement approaches to collect training, education, and capacity development gaps, overlaps, and resources that inform disaster risk reduction planning, climate adaptation and mitigation planning, and associated vulnerability assessments.
 - Develop plans to address gaps using existing resources and/or by identifying network partners who can develop new ones.
 - Track metrics to determine value of continuing EOTEC DevNet beyond a two-year pilot phase.
 - Create a sustainability plan to ensure the initiative can continue to grow beyond the pilot phase if evaluation deems it to be successful
 - Continue periodic regional and leadership meetings
 - Summarize Phase 2 results and report to the network partner leadership to inform the future of EOTEC DevNet



- Existing deliverables
- EOTEC DevNet
- Flood gaps, overlaps, and resource collection
- Recovery Observatory activities
- What else?



Committee on Earth Observation Satellites

Thank you!

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WGCapD Website:

<https://ceos.org/ourwork/workinggroups/wgcapd/>

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