

Education and Capacity Building to support Global Geospatial Information Management

UN GGIM Side Event (virtual), 18 August 2021

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Innovation in Education

A few examples...



Webinars or online workshops

AI for Good

<https://aiforgood.itu.int/speaker/maria-antonia-brovelli/>

Mapping for a sustainable world

<https://icaci.org/watch-first-ica-webinar-mapping-for-a-sustainable-world/>

ISPRS 2020 Lecture Day

<https://www.isprs2020-nice.com/index.php/isprs-geospatial-lecture-day/>

UN Open GIS Initiative's Series of Online Workshops

http://unopengis.org/unopengis/news/news.php?id=news¬ice_id=&s=&tot=&search=&search_cond=&no=7&print_no=7&exec=view&npop=&sort=&desc=&search_cat_no=

- Reach a wide audience
- Online interaction / questions
- Recordings are available afterwards
- No travel funding required ;-)



OpenStreetMap



- mapathons
 - arranged e.g. by [Missing Maps](#), [HOTOSM](#), [YouthMappers](#) or [Geochicas](#)
- Students can work with ‘real’ data
- Raises awareness of humanitarian challenges
- Opportunity to socialize locally and with students across the world
- Can be used to support teaching about other issues, e.g. SDGs, developmental issues



Collaborative remote teaching

- iPOLE 2019/2020

- 30 students, 4 countries, 5 disciplines
 - University of Applied Sciences and Arts Northwestern Switzerland (organizer)
 - University of Pretoria, South Africa
 - Northumbria University, UK
 - Harbin Institute of Technology, China

- Student projects

- 4-6 students per team, different universities, countries, disciplines
- Task defined in collaboration with Kanton Aargau (funder)
- Supported by international experts and local mentors
- Final deliverable:
 - Interactive prototype (incl. visualization) for attracting skilled employees / prevent brain drain

Virtual/remote team work

Working across time zones

Working with other disciplines / backgrounds

Soft skills

People skills and the importance of communication

Compromise and conflict resolution

Proper planning and intermediate milestones



Collaborative remote teaching

- Development and GIS (currently running)
 - *International development is likely to have more successful outcomes if technology and community are integrated into project planning, implementation and monitoring/evaluation from the outset. **In this course, we will critically examine the role and use of both geographic information and data visualization technologies.** We will assess the opportunities and challenges in the use of such technologies, particularly when used in a participatory manner.*
 - West Virginia University, US
 - lectures and assessment material
 - University of Pretoria and University of Limpopo, South Africa
 - own student administration: marking, hardware/software set up, administration of exams and grades



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How can Academic Network members
contribute and/or benefit?



Thank you

You are welcome to contact us for further information

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