

OKP Newsletter

March 2021



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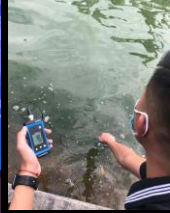
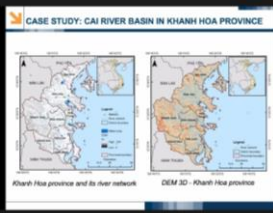
Valuing water

March 2021, Delft

Dear partners,

As many of you may already know, on March 22nd we celebrate World Water Day. The theme of this year is 'Valuing Water'. Water means different things to different people. What does water mean to you? How is water important to your home and family life, your livelihood, your cultural practices, your wellbeing, your local environment? By recording - and celebrating - all the different ways water benefits our lives, we can value water properly and safeguard it effectively for everyone.

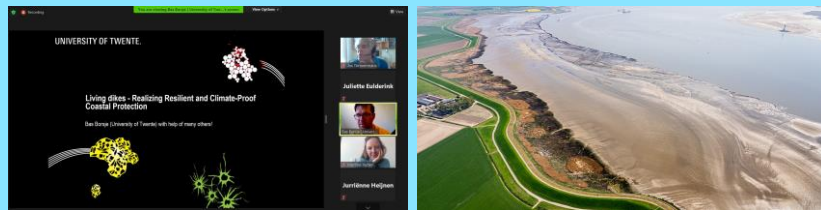
In this newsletter we update you on the ongoing activities, and present some inspiration and events for World Water Day 2021. The 'Get to know us' section contains an overview of the YTU project staff. We also have a special feature on data: different resources of (spatial) data that is open, and hence free to use for research and education. Finally, be sure to check out the opportunities! TLU is hosting a special Climate Change Adaptation student research contest, and the EGU General Assembly will be hosted online in April of this year.



OKP Vietnam & Myanmar: News and (planned) activities

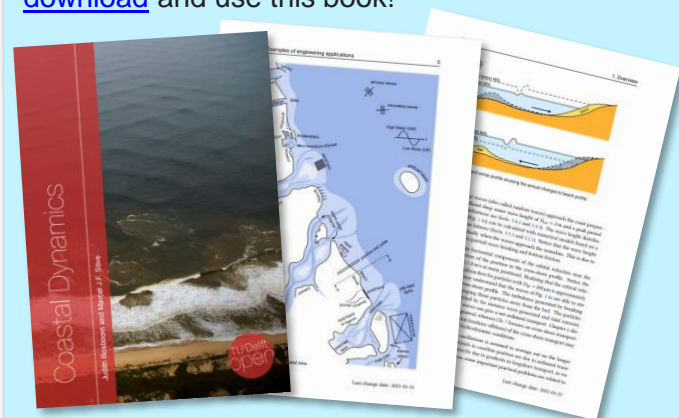
Delta Future Labs webinar: Living Dikes

On Friday March 5th, Delta Future Labs organized a webinar on Living Dikes: Realising Resilient and Climate-Proof Coastal Protection. The webinar, co-organized by our colleague Dr. Martine Rutten, was joined by Myanmar and Vietnam partners, and a lively Q&A led to the discussion of the applicability of living dikes in South-East Asian deltas!



Open textbook: Coastal Dynamics

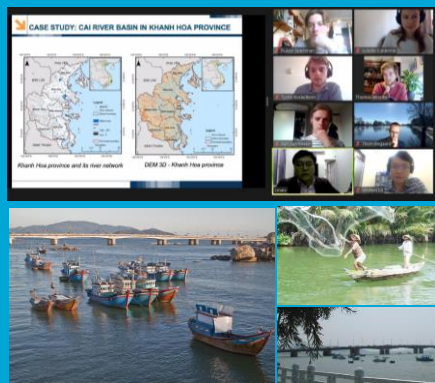
Our partner Prof. Marcel Stive and his colleague Dr. Judith Bosboom have published an open textbook, entitled 'Coastal Dynamics'. This textbook focuses on the interrelation between physical wave, flow and sediment transport phenomena and the resulting morphodynamics of a wide variety of coastal systems. As this is an open source textbook, you are free to [download](#) and use this book!



The authors would like to track the reach and use of this Open Textbook. Therefore, they would be very pleased if you could fill out a [form](#) to provide information on your intended use of this book.

Multidisciplinary project in Vietnam at a distance

In April, a group of 4 TU Delft MSc students will begin their multidisciplinary project in Vietnam, for the first time at a distance! Supervised by Dr. Astrid Blom, Dr. Thom Bogaard and Thuyloi staff members, they will look at integrated river and coastal management in the Cai River Basin (Khanh Hoa Province).



You can find more information about collaboration on the TU Delft-Vietnam website: <https://www.tudelft.nl/citg/vietnam/> and on the TU Delft-Myanmar website: <https://www.tudelft.nl/myanmar/>



UN WATER

22 MARCH WORLD WATER DAY

Every year on the **22nd of March**, World Water Day is celebrated internationally. World Water Day raises awareness of the 2.2 billion people living without access to safe water. This year's theme is 'Valuing water'. Check out some of the events below:

- YOU ARE INVITED TO BE A GAME CHANGER -

JOIN THE 2021 #WORLDWATERRUN!

A 7-DAY, VIRTUAL RUN AROUND THE WORLD WITH THOUSANDS OF RUNNERS & WALKERS SUPPORTING WORLD WATER DAY

MARCH 16 - 22, 2021



SAVE THE DATE

TO CELEBRATE WORLD WATER DAY 2021 – VALUING WATER

- High-level opening ceremony with special guests
- Presentation of UN World Water Development Report
- Interactive discussion – what does water mean to you?
- Announcement of the winner of the Stockholm Water Prize

March 22, virtual event with simultaneous interpretation: Arabic, Chinese, English, French, Russian and Spanish

unwater.org/worldwaterday2021

Register [here](#) for the World Water Day celebration

Click [here](#) to sign up & get your World Water Run bib

Get to know YTU project staff (1)



Professors and Associate professors



Name: **Dr. Win Win Zin**
Role: Professor and Head of Water Resources Engineering Faculty, Civil Engineering Dept.
Expertise: Flood Hazard Mapping, Climate Change, Hydropower, Urban Drainage
Email: winwinzin@ytu.edu.mm



Name: **Dr. Zin Mar Lar Tin San**
Role: Professor, Water Resources Engineering, Civil Engineering Dept.
Expertise: Flood Inundation Mapping, Integrated Water Resources Management, Flood Damage Assessment
Email: zinmarlartinsan@ytu.edu.mm



Name: **Dr. Kyi Pyar Shwe**
Role: Professor, Water Resources Engineering, Civil Engineering Dept.
Expertise: Groundwater resources, Irrigation, Hydrodynamics, Flood Hazard Mapping, Hydropower, Urban Drainage
Email: kyipyarshwe@ytu.edu.mm



Name: **Dr. Cho Cho Thin Kyi**
Role: Associate professor, Water Resources Engineering, Civil Engineering Dept.
Expertise: Urban Drainage. River morphology, Dam safety, Environmental flows
Email: chochothinkyi@ytu.edu.mm



Get to know YTU project staff (2)

Lecturers and Assistant lecturers



Name: **Dr. May Ei Nandar Soe**
Role: Lecturer, Water Resources Engineering, Civil Engineering Dept.
Expertise: Hydrodynamics, River and coastal engineering, Disaster Risk Reduction, Nature-Based Solutions, Water Quality Measurements
Email: mayeinandarsoe@ytu.deu.mm



Name: **Dr. Su Wai Aung**
Role: Assistant Lecturer, Water Resources Engineering, Civil Engineering Dept.
Expertise: Fluid Mechanics, River Sedimentation, Hydrology
Email: zinmarlartinsan@ytu.edu.mm



Name: **Dr. Ei Ei Khine**
Role: Assistant Lecturer, Water Resources Engineering, Civil Engineering Dept.
Expertise: Flood management, (Natural) Disaster Risk Reduction Management
Email: eieikhine@ytu.edu.mm



Name: **Dr. Aye Myint Khaing**
Role: Assistant Lecturer, Water Resources Engineering, Civil Engineering Dept.
Expertise: Flood forecasting, Impacts climate change on water resources
Email: ayemyintkhaing@ytu.edu.mm

Open Data Resources (1)

Check out these free open data resources!

FAO WaPOR

The FAO portal to monitor Water Productivity through Open access of Remotely sensed derived data

[Click here](#)

HydroSHEDS

Hydrological data and maps based on Shuttle Elevation Derivatives at multiple Scales

[Click here](#)

UNESCO-IHP WINS

A Water Information Network System by the International Hydrological Programme of UNESCO

[Click here](#)

GEMStat

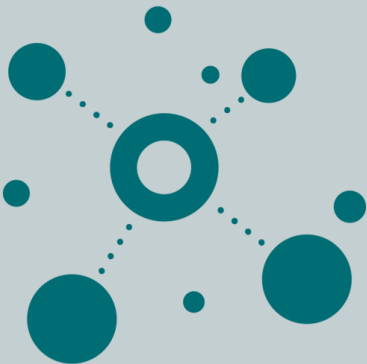
A Global Freshwater Quality Database which provides data and information on global inland water quality

[Click here](#)

FAO Soils Portal

A gateway to various aspects of soils information across the globe

[Click here](#)



Open Data Resources (2)

World Bank Open Data

A platform hosting the global development data collected in the World Bank studies

[Click here](#)

ResourceWatch

This platform provides timely data for sustainable resource management.

[Click here](#)



Remote sensing:

[USGS Earth Explorer](#)

[NASA Open Data Portal](#)

[Copernicus Open Access Hub](#)

[GEOSS GeoPortal](#)

Elevation:

[Shuttle Radar Topography mission](#)

[ASTER GDEM](#)

[ALOS Global Digital Surface Model](#)

Land use/ Land cover

[GlobeLand 30](#)

[Copernicus Land Monitoring Service](#)

Article: [Best Free Land Cover/ Land Use Data](#)

Introducing the TLU Student research contest: *Climate Change Adaptation*

Together with Thuyloi University, the Netherlands Embassy has launched a scientific research contest on "Climate change adaptation". Through this contest they hope to encourage the students to develop initiatives and solutions to tackle climate challenges.

More information can be found on the Thuyloi website:

<http://www.tlu.edu.vn/tin-tuc/cuoc-thi-nghien-cuu-khoa-hoc-ve-thich-14527>

This competition is open to all Vietnamese students, not just Thuyloi students!

You can win up
to 25.000.000
VND



STUDENT RESEARCH CONTEST
"Climate Change Adaptation"

In the framework of the cooperation between the Netherlands Embassy and Thuyloi University, the student research contest "Climate Change Adaptation" is launched with an aim to enhance knowledge and awareness on climate change and its impacts, as well as to foster climate adaptation initiatives and solutions. This contest is sponsored by the Netherlands Embassy.

AWARDS
1st: 25.000.000 VND
2nd: 15.000.000 VND
3rd: 10.000.000 VND

DEADLINE FOR SUBMISSION
7 April 2021

TIME AND VENUE OF THE EVENT
24 April 2021 at K1 Conference Hall - Thuyloi University

FOR INQUIRY, PLEASE CONTACT via kthcn@tlu.edu.vn/ 024.38534198
or visit our website: <http://www.tlu.edu.vn/tin-tuc/cuoc-thi-nghien-cuu-khoa-hoc-ve-thich-14527>

AdaptationNow

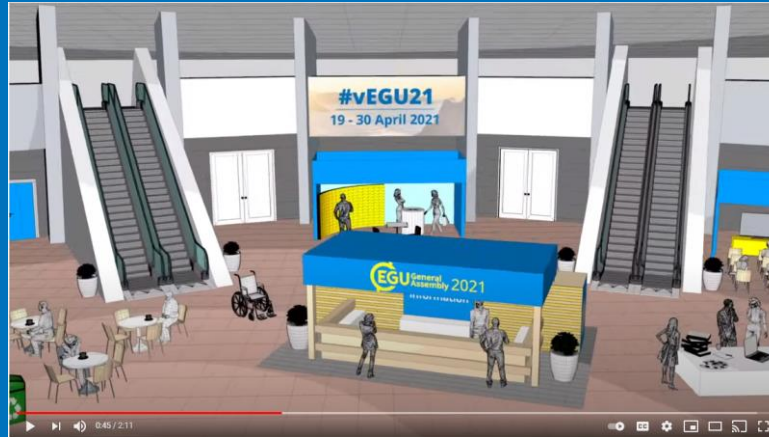
Opportunities: EGU General Assembly

vEGU21: Gather Online 19–30 April 2021



The European Geosciences Union (EGU) General Assembly 2021 will bring together geoscientists from all over the world to one meeting covering all disciplines of the Earth, planetary, and space sciences. The EGU is looking forward to cordially welcoming you at its General Assembly, online this year!

Check out a sneak peek of the virtual platform in this [video](#)!



Register for the
event [here](#)

(free for participants from
Myanmar and Vietnam!)