

Hydraulic Engineering - Staff Meeting

11-07-2025



1. 11:00 | Walk-in
2. 11:05: Sharing Recognition & Rewards for Open Science Project at Your Faculty
3. 11:15 | Faculty and department developments
4. 11:45 | Celebrating the year/high lights
5. 12:10 | Lunch
6. 12:30 | End of meeting

Agenda



Recognising & Rewarding Open Science: Join the Effort to Shape R&R Policy

What is Recognition & Rewards policy?

Recognition and Rewards (R&R) policy is a national program aimed at **reforming how academic achievements beyond publications are recognized and rewarded** in Dutch academia.

Ambitions:

- Diversifying career paths
- Focus on quality
- Achieving balance between individual and the collective
- **Stimulating open science**
- Stimulating Academic Leadership

Are you making contributions to Open Science?

- **Share research data and code** in ways that others can reuse them
- **Develop open-source tools & devices** for research and education
- **Create educational resources** (like textbooks or courses) that are freely available
- **Collaborate with communities and non-academic partners**, known as citizen or participatory science
- **Disseminate research through various formats** other than research/conference papers
- **Make research more reproducible** by documenting methods and workflows clearly
- **Publish open access journals, books, articles**

An example: Coastal Dynamics Open Codebook & Quizbook

Goal: Transform coastal engineering education through open, interactive, and up-to-date learning materials.

Codebook: An extension of the Coastal Dynamics Open Textbook, the Codebook offers hands-on tutorials using Python and Jupyter Notebooks, enabling students to learn by doing.

Quizbook: Replaces proprietary assessment tools with open, feedback-rich quizzes. Features a two-stage system- formative (unlimited, guided feedback) and mock-summative (timed, self-assessment). Students can access and be graded on these via TU Delft servers.

Why Open Science needs a better R&R policy?

- OS contributions **are often overlooked** in recruitment, selection, evaluation, tenure, and promotion processes.
- Supervisors and committees may **lack the tools or experience** to assess OS achievements.
- Many staff members are **uncertain about the value** of their OS contributions and hesitant to present them
- Many **support staff** (like data stewards) who work on applying and promoting OS practices are not recognized for the **academic achievements**

How this project aims to shape a more effective R&R Policy for Open Science?

- Conduct sessions to define the **challenges, opportunities, scope, and user and institutional requirements** for R&R for OS at TU Delft.
- Involve the stakeholders in ideation sessions **to shape the policy into practical tools and practices.**
- **Run a pilot based on the outcomes of these sessions and evaluate them.**
- **Secure institutional support** from the Executive Board and Works Council for implementing the proposed changes.

Who are we working with?

- PhD Candidates/ Post docs
- Academic Career Trackers
- Assistant, Associate & Full Professors
- Research Support staff
- OS Community Delft
- HR Staff
- Career Committee Members

Why should you contribute?

- Make your voice heard
- A bottom-up process to shape R&R policies in OS
- You have practical experience with R&R for OS
- You understand institutional barriers for R&R for OS
- We need your initiative and ideas to improve the situation

How can you contribute?

Participate in one or both sessions stated below **(40-60 mins)**:

- Consultation/brainstorming meetings to explore current challenges and policy scope
- Co-creation sessions to shape pathways for new R&R OS policy

How to participate

Please fill in this very short form (< 1 min)
to indicate your willingness to participate

For more information, get in touch with
**Noopur Singh (Project Coordinator
& Researcher)**- n.singh-4@tudelft.nl



Thank you for your attention!

Faculty and Department Developments

Welcome to our new colleagues in HE!

Marc Briend (OE, intern)

1 July



A horizontal timeline diagram. A light blue bar contains the text 'Marc Briend (OE, intern)'. Below it, a darker blue bar contains the text '1 July'. A vertical line with a diamond at the bottom connects the two bars. A horizontal line extends from the bottom of the vertical line across the width of the slide.

General updates

- Faculty strategy process
- Department strategy process
- [International work](#)



Education update

- Education workgroup HE
- Track coordinator HE
- Look out for opportunities for funding in the education space



HR & HSE

Vacancies:

- PhD Position in Scalable Solvers for Multiscale-Multiphysics Problems in Floating Solar Farms (Oriol)
- Postdoc AI-Powered Maritime Systems Optimization (Nadia)
- Interview Lecturer/Researcher OE-> Monday 14th of July
- Interview parttime professor HFSR -> Wednesday 16th of July

Social safety

- Two workshops social safety will be planned.
- Workshop -> Active Bystander for Staff. 1 September, [sign up](#)



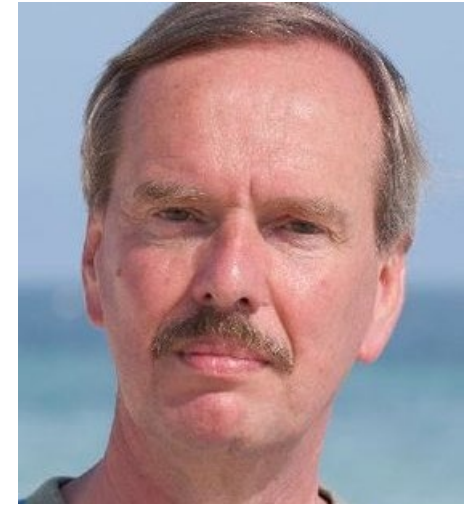
Celebrating the year/highlights



In the spotlight: our teaching award winners

Recognising colleagues on the move

- Jaime Arriaga Garcia filling in the position of assistant professor River Engineering
- Marion Tissier being promoted to UHD2 by the 1st of July
- Cong Mai Van stepping down as track coördinator and joining the Board of Examiners
- Tjerk Zitman retiring on the 14th of August
- Bas Hofland stepping down as lab manager
- Wim Uijtewaal (temporarily) taking over as lab manager





Recent highlights

- Anna Enge and Roy van Weerdenburg -> NOSE project
- 41st IAHR world congress, Singapore

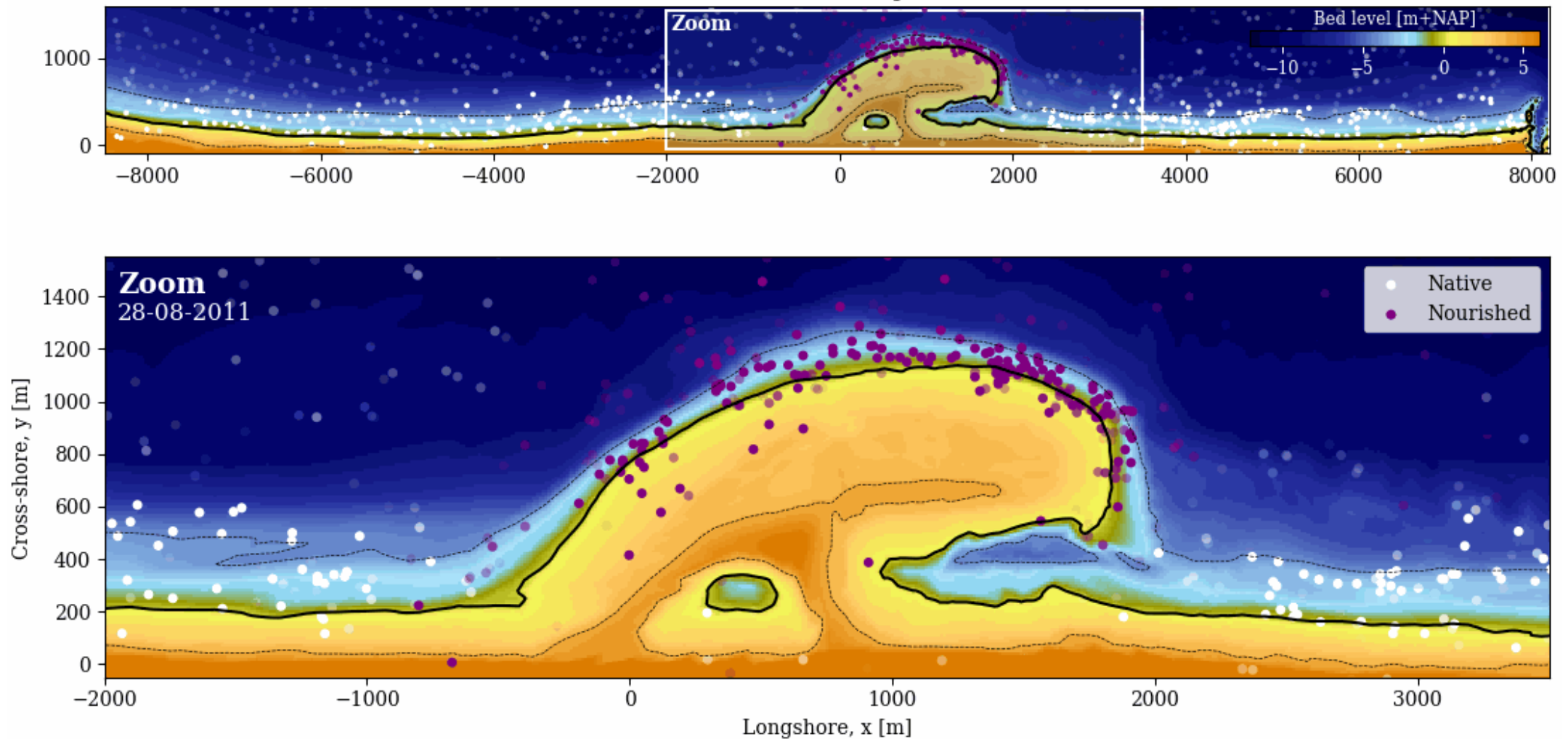


A team effort: the HE field lab

With special thanks to all the technicians and volunteers behind the field lab

Sand Engine

Bed level (Delft3D FM & AeoliS) and sand particle movement (SedTRAILS)



SED TRAILS

a lagrangian approach for sediment transport

Bart van Westen et al.

Art project – Paul Bayle



Air-water
interface in the
laboratory with
high speed
camera

Dorette Regout

<https://www.youtube.com/watch?v=GR36DcJXgUY>



Blue Math: An open-source initiative with Cantabria (Jose Antolinez)





• Congratulations on their PhD defense to:

- Jeroen Hoving
- Marcel 't Hart
- Irene Colosimo
- Jianwei Sun
- Gijs Hendrickx
- Tim Hammer
- Yaxi Peng
- Timo Molenkamp
-and others?

Two publications in Nature

Erik Mosselman & Kees Sloff

(1) "A systems perspective for climate adaptation in deltas"

<https://www.nature.com/articles/s41558-025-02368-0>

(2) "Extreme river flood exposes latent erosion risk"

<https://www.nature.com/articles/s41586-025-09305-3>

<https://rdcu.be/evCSQ>

Dit leren de overstromingen in Limburg ons. 'Let ook op wat er onder water gebeurt'



Wateroverlast in Limburg tijdens de overstromingen in 2021. Universiteit Wageningen

Het hoogwater van 2021 in Limburg verplaatste razendsnel zand en grind over de bodem van de Maas. Dat levert belangrijke nieuwe inzichten op over de gevaren van bodemerosie in een rivier.



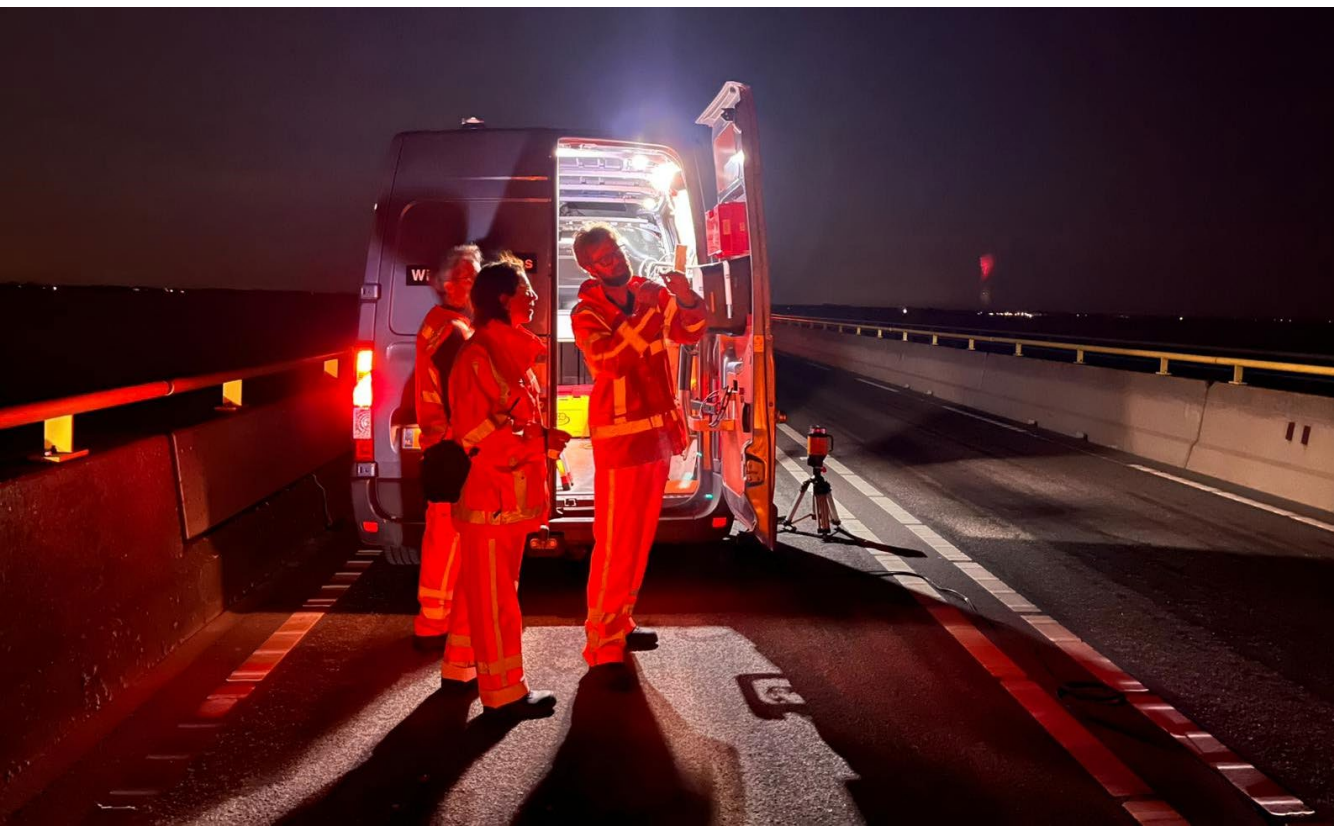
NOS Nieuws • Gisteren, 10:59

Kuilen tot wel 15 meter diep: hoogwater veranderde Maasbodem ingrijpend

Rob Ramaker
redacteur Klimaat

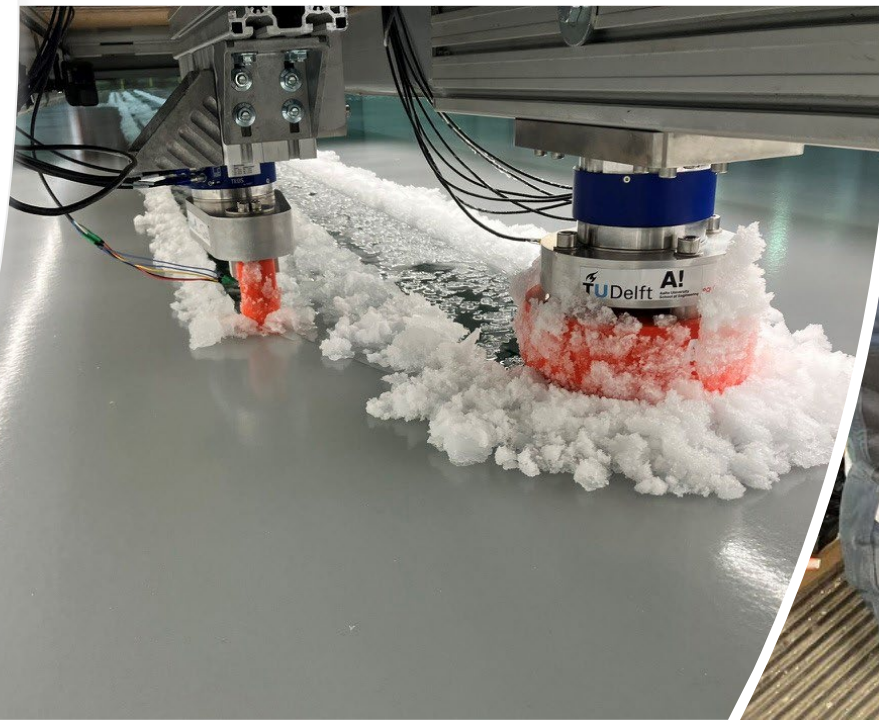
Experiments on the Zeeland Bridge (Eliz- Mari)

The bridge was closed
overnight to perform
measurements



Ice-induced vibrations

Hayo Hendrikse & Tim Hammer in the field and lab





We're sure we
missed a few
highlights...

...but that only shows how much has
happened this year. Thanks to
everyone for your contributions!



Thank you
from all of us!

