

## **ISSMGE TC201**

### **Geotechnical Aspects of Dykes and Levees and Shore Protection**

#### **Newsletter December 2021**

Dear TC201 members,

This is the twentieth newsletter of the ISSMGE Technical Committee 201: Geotechnical Aspects of Dykes and Levees and Shore Protection. The intention of the newsletter is to keep all members informed on coming activities of our TC201 and the ISSMGE.

**Cor Zwanenburg** (Chairman TC201)

**Norma Patricia López-Acosta** (Secretary TC201)

#### **1. Announcement of TC201 activities during the 20<sup>th</sup> ICSMGE-2022 (Sydney, Australia)**

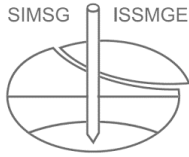
The Local Organizing Committee for the 20<sup>th</sup> International Conference on Soil Mechanics and Geotechnical Engineering (20<sup>th</sup> ICSMGE-2022) has advised some important Conference changes made in response to the global COVID-19 situation, after discussion and with the approval of the ISSMGE Board. These changes imply that the 20<sup>th</sup> ICSMGE-2022 will be held now in “**hybrid mode**”. Technical sessions and other Conference activities will be delivered on-site in the International Convention Centre Sydney, Australia on the scheduled dates and will be also delivered most sessions virtually. Conference delegates will be able to register to attend either in-person on-site, or virtually via the Conference registration portal from Sunday 1<sup>st</sup> to Thursday 5<sup>th</sup> of May 2022.

Therefore, we notify you that during the 20<sup>th</sup> ICSMGE-2022, the TC201 will organize activities in hybrid mode:

- A pre-conference workshop (we are discussing the possibility to have a joint workshop with TC208, Slope Stability)
- A conference session.

#### **2. Field trip to water retaining structures in Australia** (additional activity during the 20<sup>th</sup> ICSMGE-2022)

The Technical Committee ISSMGE TC201 in collaboration with ICOLE LE TC are organizing a field trip to water retaining structures in Australia. The idea is to organize a field trip either in advance or in addition to the conference. The field trip should deal with



the topic of TC201 (dikes and levees) or more general protection against flooding. We expect Australia to have more experience with behaviour water retaining structures during dry periods and the first high water / rainy period after that than Europe and North America. This climate issue might be a theme for this field trip. Please all your ideas and opinions are very welcome about this field activity. Send your opinions to [cor.zwanenburg@deltares.nl](mailto:cor.zwanenburg@deltares.nl) or/and [nlopeza@iingen.unam.mx](mailto:nlopeza@iingen.unam.mx).

### 3. TC201 management meeting 2022

Due to the great success of the on-line meeting in 2021, it is intended to have the next meeting as an on-line meeting. This meeting will be held on [June 14, 2022 \(7:30 h Mexico/ 14:30 h Delft/ 22:30 h Seoul\)](#).

Details of this meeting as well as an invitation to the on-line meeting will follow later.

### 4. TC201 events during 2021

#### 4a) On-line TC201 meeting

Last June 15, 2021 (7:00 h Mexico/ 14:00 h Delft/ 22:00 h Seoul) the members of the TC201 Technical Committee had an online meeting, with the following agenda:

- I. Opening
- II. Minutes of last TC201 meeting
- III. Presentation joined document on failure paths
- IV. TC201 activities
  - a) 20<sup>th</sup> ICSMGE-2022 (May 1 to 5, 2022, Sydney, Australia)
    - A pre-conference workshop
    - A conference session
    - Our annual meeting
  - b) Field trip to water retaining structures in Australia (additional activity during the 20<sup>th</sup> ICSMGE-2022)
- V. The time capsule project
- VI. Any other business
  - New members
  - 6<sup>th</sup> International Conference on Geotechnical and Geophysical Site Characterization 26-29 September, 2021, Congress Center, Budapest, Hungary.
- VII. Closing

The attendants were:

- |  |  |
|--|--|
| 1. <a href="#">Cor Zwanenburg</a> (Chairman TC201), The Netherlands      | 10. <a href="#">Emőke Imre</a> , Hungary                       |
| 2. <a href="#">Norma Patricia López-Acosta</a> (Secretary TC201), Mexico | 11. <a href="#">Hirotohi Mori</a> , Japan                      |
| 3. <a href="#">Meindert Van</a> , The Netherlands                        | 12. <a href="#">Leen Vincke</a> , Belgium                      |
| 4. <a href="#">Michael K. Sharp</a> , United States                      | 13. <a href="#">Patrick Mengé</a> , Belgium                    |
| 5. <a href="#">Philip Smith</a> , United Kingdom                         | 14. <a href="#">Adda Athanasopoulos-Zekkos</a> , United States |
| 6. <a href="#">Rémy Tourment</a> , France                                | 15. <a href="#">Thibaut Mallet</a> , France                    |
| 7. <a href="#">Alexandre Pinto</a> , Portugal                            | 16. <a href="#">Esther Rosenbrand</a> , The Netherlands        |
| 8. <a href="#">Joana Vlaanderen</a> , Portugal                           | 17. <a href="#">Jean-Jacques Fry</a> , France                  |
| 9. <a href="#">Alessandro Tarantino</a> , United Kingdom                 |  |

The TC201 committee members very well received the virtual meeting. It seems a good idea to hold virtual meetings in the meantime for the next face-to-face conferences.

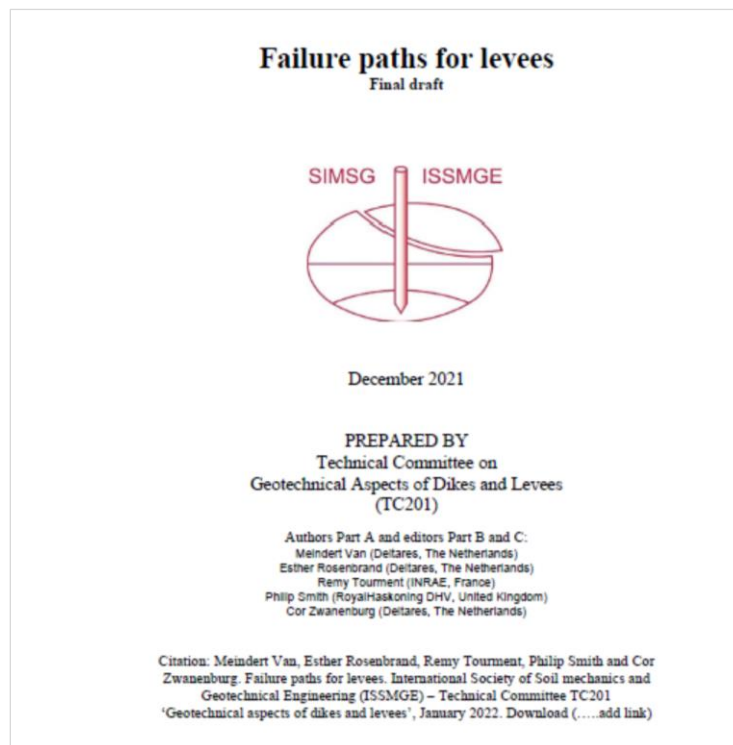


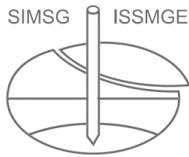
Figure 1. On line TC201 meeting (last June 15, 2021).

#### 4b) Final draft of the “Failure paths for levees” report

We are pleased to share with you the final draft of the “**Failure paths for levees**” report, which can be downloaded through the ISSMGE website:

[Final draft of the Failure Paths report | ISSMGE](#)





This TC201 report has been made possible by your contributions and the fruitful discussion at the TC meeting in June. With our group, Remy Tourment, Philip Smith, Meindert Van, Cor Zwanenburg and Esther Rosenbrand spent a lot of time thinking about terminology and the overall framework and we hope that this report helps to facilitate the use of failure paths.

We would like to ask you to take a moment to see whether the report contains any points that you would not agree with or that you would frame differently. If we do not hear from you by January 31, 2022, we will assume that you have no corrections and we will finalize the report.

This report will be made available via the ISSMGE TC website, and it will be presented and discussed in a workshop at the ISSMGE conference in Sydney.

If you have any questions or comments, please do not hesitate to contact the TC201 secretary, **Patricia López:** [NLopezA@iingen.unam.mx](mailto:NLopezA@iingen.unam.mx) or **Esther Rosenbrand:** [esther.rosenbrand@deltares.nl](mailto:esther.rosenbrand@deltares.nl)

## **5. Newsletter from the EUCOLD LFD WG issue number 8 (ICOLD TC LE)**

The ICOLD TC LE last issue of the newsletter can be downloaded from the following link <https://lfd-eurcold.inrae.fr/index.php/wg-newsletter/>

## **6. Next TC201 Newsletter**

The next newsletter will be sent in June 2022. Please provide all available information, like TC related publications, academic papers, news, research, among others, to the Secretary TC201 *Norma Patricia López-Acosta*, [nlopeza@iingen.unam.mx](mailto:nlopeza@iingen.unam.mx)