

# CEN/TC250/SC7 Seminar – Paris



## DESIGN WITH 2ND GENERATION EUROCODE 7 GUIDELINES AND GEOTECHNICAL DESIGN EXAMPLES



21 and 22 October 2024

## DEVELOPMENT OF 2nd GENERATION OF EUROCODE 7

Since 2015 project teams and taskgroups of CEN/Technical Committee 250 “Structural Eurocodes” / Sub-Committee 7 “Geotechnical design” have been involved in developing a 2nd Generation Eurocode 7. In 2024 the three parts of Eurocode 7 went for Formal Vote, terminating this intensive process. Now is the time for the National committees to draft their National Annexes, which should be ready by 2027.

Many new topics have now been included in Eurocode 7: ground model, groundwater issues, rock engineering, pile groups and rafts, reinforced fill structures, soil nails, rock bolts and ground improvement.

In the past 4 years, Taskgroups in SC7 have developed guidelines for the application of the new Eurocode and set up examples for testing the new code.

These guidelines and examples will be presented and discussed in 1.5 hour sessions during the 2 day seminar.

### WHAT IS PRESENTED:

#### Guidelines on designing with the 2nd Generation Eurocode 7:

1. How to obtain representative ground parameter values from data of individual geotechnical tests
2. What is a Ground Model and how is it derived
3. What other probabilistic methods next to partial factors are available for use in geotechnical ULS-design
4. What is the link between design and execution made in Eurocode 7 for the daily practice

#### Design examples on the 2nd Generation Eurocode 7:

Groundwater Limit States, Rock engineering, Slopes, Spread foundations, Piles, Retaining Structures, Anchors, Reinforced Fill, Soil nails, Rock Bolts and Ground Improvement.

#### Guidance on setting up the National Annex:

Explaining the TC250-rules on drafting the National Annex, Link with the overall code EN1990/1991, Structural codes (EN1992 – EN1999) and Seismic design code EN1998.

### PARTICIPATION

The location is the Université Gustave Eiffel, 5 Boulevard Descartes, Champs-sur-Marne, Paris

The fee for participating is € 100,-.

Recommended hotels are closed to “RER A” stations : Gare de Lyon (Place Louis Armand 75012 Paris) or Nation (Place de la Nation, 75012 Paris).

Detailed programme and other information will follow.

You can register for the Seminar through the following link;

<https://v4.event-vert.org/en/sc7>