

# ITA Working Group 12 “Sprayed Concrete Use”

## Meeting Minutes

Tuesday 14th of September 2021 (online)

1. Opening and welcome
2. Adoption of Agenda
3. Activities
  1. Published ITA report: Permanent Sprayed Concrete Linings
    - a. Publishing process
    - b. Revision process
  2. In-service condition of sprayed concrete tunnel linings
    - a. Recap of scope and main goals
    - b. Phase 1: Questionnaire part 1
4. Guest speaker: PhD candidate Cristobal Manquehual NTNU/Norway
5. Next meetings
6. Any other business
7. Close

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### 1. Opening

The Animateur Karl Gunnar Holter (KGH) welcomed everyone and outlined the meeting’s activities. KGH noted that it was great to see such a large attendance. With modern technology we plan to hold virtual meetings more regularly, at least two meetings in the WG before the WTC 2022 in Copenhagen. A total of 25 people attended this meeting, including:

Wolfgang Aldrian

Karl Gunnar Holter

Alun Thomas

Alberto Rey

Anders Ansell

Antonio Figueiredo

Catherine Larive

Chandan Vaidya

Charles Allen  
Nick Chittenden  
Christoph Eberle  
Cristobal Manquehual  
Benoit de Rivaz  
Eivind Grøv  
Guiseppe Lunardi (part time)  
Grover Vargas  
Matthias Reinhold  
Phil Quelch  
Ralf Winterberg  
Tomislav Rogan  
Yves Boissonnas  
Isabel Fernandes, University of Lisbon and member of CPT/SPG  
Bruno Rossi  
Denis Crehan  
Flavio Rodriguez

## 2. Adoption of Agenda

No alterations required.

## 3. Activities in the WG:

- 3.1 Joint ITA WG 12 – ITATech AG Lining: Report of Permanent Sprayed Concrete Linings (PSCL), publishing of the report
  - a. KGH elaborated on the headlines and timeline in the process of the PSCL report. He noted the effort involved in producing the report and recapitulated the different steps and various reviews and the manner in which the report following the required ITA publication process.
  - b. KGH explained that there are 2 reviews of the PSCL report published in trade magazines. These reviews were brought to the attention of the WG in the final invitation and distribution of the agenda prior to the meeting. Such reviews, particularly when demanding urgent revisions, have raised a few issues regarding receiving external comments post publication and the revision process of reports. KGH has written to ExCo for clarification on the revision process. This letter was distributed to the WG members with the final invitation and agenda for this meeting. He clarified that the authors and WG12 leadership do not see any immediate reason to revise the

PSCL report. The plan is to have the PSCL report as a living and updated document with revisions at intervals.

Giuseppe Lunardi stated that the initial feedback from the ExCo to our letter is that the report is a good quality document which correctly followed the publication process and there is no reason for immediate revision. ExCo will consider the request for a letter of support for this report. Giuseppe Lunardi further asked about our intended use of such a letter of support. KGH answered that the WG12 only wishes a statement of acknowledgement for the work which has been done with the report and has no intention of any external use of such a statement or letter of acknowledgement. Eivind Grøv added that this issue could be raised with the Governance council, although he was not sure if this would be an appropriate step. KGH and AT will consider this. However, there is no intention to spend excessive time on this matter.

### 3.2 Project work WG12, In-service condition of sprayed concrete linings

KGH recapped on the goal and scope of the project and structure of the questionnaire process. The first step is Questionnaire Phase 1 – with the aim of identifying owners of PSCL tunnels and generating an overview of what information we can obtain. KGH asked WG12 members to complete the questionnaire by 1 November 2021. The questionnaire form is attached to these minutes as a separate word document. Eivind Grøv suggested that we send this to ITA Member Nation representatives too.

## 4. Presentation – invited guest speaker

*Investigation techniques for assessing the condition of sprayed concrete linings in road tunnels of Norway. Selected findings from ongoing research work*

PhD candidate Cristobal Manquehual, Department of Civil and Environmental Engineering, Norwegian University of Science and Technology NTNU, Trondheim, Norway

The slides are attached to the minutes and people are welcome to contact Cristobal at this address: [cristobal.manquehual@ntnu.no](mailto:cristobal.manquehual@ntnu.no).

We will aim at having one guest speaker with a technical topic within Sprayed Concrete Use on each of our meeting.

Cristobal Manquehual will be part of the core team in the project work "In-service condition of sprayed concrete linings"

## 5. Any other business

No other business was raised.

## 6. Next meeting

Proposed date: Tuesday 16. November 2021, 14:00 CET Proposed topics

- Follow up on project work: "In-service condition of sprayed concrete linings in operation" – review of questionnaire results
- Information submitted to WG12 from the ITA on the revision process of ITA reports
- Guest speaker(s): Proposal for a guest presentation within a relevant topic to the project work "in-service condition", but not limited to this topic, will be highly valued and is encouraged.

## 7. Close

Meeting ended at 15.30

Trondheim/Copenhagen

15. September 2021

Alun H Thomas / vice animateur WG12

Karl Gunnar Holter / animateur WG12

### Attachments to these minutes:

- Questionnaire form, part 1
- Presentation held by Cristobal Manquehual