



## ETC3 MEETING 11.06.2015 - MINUTES

**Participants** : Maurice BOTTIAU (chair), Monika DE VOS, Carlos FERNANDEZ-TADEO, Paul HOELSCHER, Robert HOFMANN, Noël HUYBRECHTS (secr.), Alain LE KOUBY, Jaime SANTOS, Josif JOSIFOVSKI, Mait METS, Ole MØLLER, Trevor ORR, Panu TOLLA, Jean-Paul VOLCKE

**Apologised** : Alessandro MANDOLINI, Andrey PONOMARYOV

### 1. Minutes of the previous webex meeting of 21.04.2015

Noël introduces the meeting and welcomes the participants.  
 No remarks with regard to the minutes of the previous meeting.  
 Open actions from the previous meeting will be addressed further in these minutes.  
 The minutes are approved.

### 2. ETC3 members and liaisons

UK confirmed to nominate a representative soon.  
 NL has still to formalise their representative(s).  
 Noël contacted them once again, but up to now he didn't receive an answer (**action Noël**).

There are no new ETC3 members since last meeting.

All liaisons are confirmed.

Updated list of ETC3 members and liaisons : see annex.

### 3. ETC3 website : [www.ETC3.be](http://www.ETC3.be)

The new ETC3 website is in its final stage.

*Note : the site is online since 23.06.2015.*

**All ETC3 members** are asked to send relevant reference documents with regard to piles and the terms of reference (design, SLT, DLT, RLT, integrity testing) that can be posted on the new website. Check copyright (**action Monika**).

### 4. International ETC3 Symposium :

#### Design of piles in Europe. How did Eurocode 7 change daily practice ?

- The venue changed because there is another big event in Brussels at the same dates.  
 New venue : Park Inn by Radisson, Leuven (15 min. direct train from the airport).
- Dates : 28<sup>th</sup> – 29<sup>th</sup> April 2016, after the CEN TC 250 SC 7 meeting on 27<sup>th</sup> April.



- The International Advisory Committee is composed of the ETC3 Members and Liaisons, Antonio Gens (European Vice President of ISSMGE), Roger Frank (President of ISSMGE) and Flor De Cock (Former ETC3 Chairman). They all accepted.
- Antonio Gens is apologised for the symposium, Roger Frank and Flor De Cock will be present.
- The following liaisons confirmed their presence at the symposium : Andrew Bond (CEN TC 250/SC 7), Christian Gilbert (CEN TC 2188), John Powell (CEN TC 341/ISO TC 182).
- The final draft of the 1<sup>st</sup> Bulletin was sent together with the agenda of the meeting. More attention should be given to the presence of the chairmen of the linked technical committees. The 2<sup>nd</sup> Bulletin should be ready for Edinburgh (**action Monika**).
- Proceedings :
  - Adapted template for national reports has been distributed by mail on 22.05.2015.
  - Template for key notes and general reports to be established (**action Noël**).
- **National reports :**
  - The national representatives in ETC3 are responsible for the organisation of the elaboration of the national report (**action ETC3 members**).
  - No strict limit on # of pages (+/- 20 pages/country).
  - Adapted content : see annex.
  - The design example in the national report is a local example, to illustrate the described design method. The design examples for comparison purposes mentioned below, are 2 or 3 well documented sites, aiming to compare the design methods of different countries.
  - It's not the aim to present the national reports as such, but to present general thematic reports, based on the analysis of the national reports.
- **Programme :**
  - A more detailed proposal is given in annex.
  - Opening address by Roger Frank.
  - General thematic reports based on the analysis of the national reports.
  - Keynote lectures : important collaboration/interaction with European standardisation process.
  - 1 keynote based on design examples.
  - Friday morning : Discussion session on structural capacity of piles, material aspects, slenderness, other kinds of loading (laterally loaded piles,...).
  - Friday afternoon : Discussion session on monitoring, quality control & testing practice + overview of ongoing R&D activities on pile foundations in Europe.
  - Some general reporters and discussion leaders still need to be identified. Please let us know if you are interested or if you know someone who is interested (**action all ETC3 Members**).
  - Key note about DLT and RLT practice in Europe : **Panu or Gary** will contact Hermanson (?).
  - Based on the feedback a detailed proposal of the symposium program will be elaborated (**action Maurice/Noël**). Deadline : Edinburgh !
- **Design examples :**
  - Criteria :
    - Sites that cover a typical North European, UK-Central/Eastern Europe and South European subsoil profile
    - Extensive ground investigation : CPT, SPT, PMT, lab tests
    - Preferably with pile load test results



- Information received :
    - Central Europe : 2 sites in Belgium (Monika), 1 site in France (Alain)
    - Scandinavia : 1 site in Sweden (Gary) – **Panu will contact Gary** to obtain info about (dynamic ?) pile load tests on this site
    - Portuguese test field
    - Description of soil layers & ground investigation results : see annex.
  - Other possible sites :
    - German test site (bored piles in sand) ? (**action Christian**)
    - It would be very interesting to add a site with chalk : contact UK (**action NN**)
    - **Please send the information (soil investigation + specify if SLT, DLT,... are available) ASAP.**
  - Summary of the collected information + choice of the sites : Edinburgh ! (**action Maurice/Noël/Monika**)
- **Deadlines :**
- Final programme : ECSMGE Edinburgh Sept 2015
  - Template general reports & key notes : Sept 2015
  - Bulletins : 1<sup>st</sup> bulletin mid May 2015 (action Noël) – *note : the bulletin was sent end of June* ; 2<sup>nd</sup> bulletin ECSMGE Edinburgh Sept 2015 ; final bulletin early 2016.
  - Design examples : info of possible sites available → before summer holiday ; proposition and discussion in Edinburgh ; distribution of the information of the design examples → end of Oct 2015 ; answers → Jan 2016
  - National reports : first draft → mid Oct 2015 ; feedback organising committee → end of Nov 2015 ; final version → end 2015.
  - General reports and keynotes : end of March 2016.

## **5. Guidelines Dynamic load testing**

Info from Paul :

Rapid pile load testing (RLT)

Standard for execution : new version ready for renewed public enquiry

Interpretation : Dutch CUR guidelines are available

Discussion : reliability approach must be elaborated

Dynamic pile load testing (DLT)

Standard for execution : composition starts now, based on RLT standard (now in public enquiry).

Interpretation : described in literature, no guidelines available

Discussion : reliability approach must be elaborated

Gathering existing and relevant documents/guidelines on the execution and interpretation of DLT and RLT and upload on the ETC3 website. Carlos sent already some documents about dynamic load tests. They are not yet available on the website, because we have to check copyright.

**ETC3 member(s) who take the lead and/or can contribute : Jaime, Panu and/or Gary, Arne, Paul, UK ?, Oswald Klingmüller (member of WG7 and convenor of the German WG on DLT).**



ETC3 Symposium = starting point for guidelines (keynote).

### **6. Any other business**

All documents (agendas, minutes, reference documents,...) will be available on the ETC3 website : [www.etc3.be](http://www.etc3.be)

### **7. Next meetings**

Face to face meeting :

- Wednesday 16<sup>th</sup> Sept 2015, 14.00 – 17.00 in Edinburgh, meeting room Carrick 1&2.
- Check possibility of webex meeting for those who won't be present in Edinburgh (**action Noël**).



## **ANNEX**