



Lifelong
Learning
Programme



DZS
Centre for International
Services

LIFELONG LEARNING PROGRAMME

LEONARDO DA VINCI
MULTILATERAL PROJECTS - TRANSFER OF INNOVATION 2011,

Project n.: CZ/11/LLP-LdV/TOI/134005

Project name: Vocational Training in Assessment of Existing Structures

Minutes

of the 6th plenary meeting of project partners
held at Pamukkale University in Denizli on June 6-7, 2013

Participants:

P1 (contractor) – CTU KI: M. Holický, Jana Pallierová

P2 - SPSS: Michal Kronika, Vladislava Návarová

P3 – HR: Dimitris Diamantidis

P4 – IETcc-CSIC: Peter Tanner

P5 – UOP: Pietro Croce, Maria Luisa Beconcini – *apologized for safety reasons – riots in Istanbul*

P6 – TNO: Ton Vrouwenvelder - *apologized for shortage of time*

P7- PAU: Selçuk Toprak, Mehmet Inel, Sevket Senel, Engin Nacaroglu

Presentation LEO_6_Denizli.ppt , used during the meeting, supplements these minutes.

Thursday, June 6, 2013, 9 a.m.

1) Opening of the meeting, 9 p.m. (M. Holický)

P1 (M. Holický) opened the meeting and welcomed the participants.

P7 (S. Toprak) confirmed the 4th project seminar to be held in the afternoon, Thursday at PAÜ İnşaat Mühendisliği Bölümü, starting 1:30 p.m. and expected to end at about 6 p.m. The seminar program had been sent to partners before.

2) Mentioning of recent events (M. Holický) (LEO_6_Denizli.ppt, slide 3)

3) Discussion of working materials for Handbook 2 (all partners) (LEO_6_Denizli.ppt, slide 21-24)

The absence of the HB2 coordinator (P. Croce) at the meeting complicated the work on the Handbook 2.

The present stage of the book:

- **Foreword P1 (M. Holický), P3 (D. Diamantidis)**
- **Chapter 1 – Basic concept and terminology** - finished
- **Chapter 2 – NDT, inspection techniques & monitoring** - the new version provided by P.Croce doesn't contain the "old" version from February this year. Both the versions should be integrated. **P4 (P. Tanner)**
- **Chapter 3 – Modelling and analysis** - missing; **by June 14, P5 (P. Croce)** will provide all the partners with a draft.
- **Chapter 4 – Verification procedure** - finished
- **Chapter 5 – Applications of updating** - subchapters 5, 6 were taken away. Chapter will be finalized by **P4 (P. Tanner)**.
- **Chapter 6, 7, 8** – each of the chapters should cover basic concepts on material properties and a guide how to determine them. They should also give references to Chapters 2, 3, 4.
- **Chapter 6 - Concrete structures** – an introductory subchapter will be added dealing with general characteristics and material properties of concrete, including the process of degradation, some notes on historical development; the same for steel, pre-stressing rods, geometry, location of reinforcing bars and concrete cover (also including the process of degradation). **P5 (P. Croce) will send to all partners by June 21.**
- **Chapter 7 - Steel structures** – an introductory subchapter will be added dealing with material properties of steel, deterioration properties and geometry. **P4 (P. Tanner)**
- **Chapter 8 - Timber structures** - introductory subchapter should be added, dealing with material properties of timber, geometry and deterioration processes. **P5 (P. Croce) will send to all partners by June 21.**
- **Chapter 9 - Heritage structures** – an introductory subchapter describing the principles of assessing heritage structures (dealt with in Annex A of ISO 13822) should be added, providing also more operational guidance and notes on historical values of heritage structures. **P7 (S. Toprak)**
P1 (M. Holický) will provide S. Toprak with relevant documents on the topic (by M. Holický, M. Sýkora).
- **Chapter 10 – Seismic retrofit of buildings** - finished
- **Chapter 11** – cancelled
- **Chapter 12 (11) Concluding remarks** – missing - **P3 (D. Diamantidis)**

All the „chapter co-ordinators“ will provide the chapters they are responsible for with **references**.

Thursday, June 6, afternoon (1:30 – 6 p.m.)

4th international project seminar

Venue: PAÜ İnşaat Mühendisliği Bölümü

(LEO_6_Denizli.ppt, slide 21-22)

Friday, June 7 (9:00 –15:30)

4) Reflection of the seminar

5) Discussion of working materials in Handbook 3 (M. Holický, V. Návarová, M. Kronika)

(LEO_6_Denizli.ppt, slide 25-26)

P3 (D. Diamantidis) pointed out the necessity of **unifying the graphic format, figure headings, tables**, etc. P6 (T. Vrouwenvelder) sent his **commentary to Chapter 2**: several misprints in the text, **to Chapter 3**: he pointed out that the present draft has some but very little added value to ISO 13822; he called for more practical information as for instance what type of cracks we have in concrete (bending, shear, shrinkage, alkali aggregate reaction, freeze, corrosion of reinforcement, and how to recognize them); similar for discoloring; for steel: include the mechanism of fatigue; more emphasis on the explanation of damage and the consequences thereof on design values for loads and resistance, as well as the structural model itself, **and to Chapter 4**: he pointed out that Section 4 (1) should be in line with and refer to Chapter 3 (3.3.3), and that in Section 4 (2.1.1.2) lower characteristic values of variable loads are usually zero; it should be noted that for economic reasons the upper characteristic value sometimes is chosen as having a return period equal to the (remaining) design life.

6) Review of outstanding outcomes (Jana Pallierová, Milan Holický) *(LEO_6_Denizli.ppt, slide 27)*

- **e-learning** (partners are expected to send their contributions in English),
- **software tools** for practising engineers (expected: 2x P4, 3x P7)
- **national short term courses** (P3, P7 will provide P1 with materials to national courses that have already been held)
- **contributions to technical journals** (P3 – will provide P1 with his article submitted in the U.S.; P4 – with his article in Structural Engineering International; both of them are in status “accepted”)

7) Budget (Jana Pallierová, Milan Holický) *(LEO_6_Denizli.ppt, slide 28-30)*

Partners were reminded of the basic project administrative and financial rules. They were asked to make a balance summary of the project expenses and consider rendering of a possible budget surpluses to other partners.

8) Final meeting and seminar in Prague, September 26-27, 2013 (Jana Pallierová, Milan Holický)

(LEO_6_Denizli.ppt, slide 32)

Partners were invited to the final plenary meeting and project seminar, which will be held in Prague, Klokner Institute, and Masarykova kolej, on September 26-27, 2013.

Denizli, 7/6/2013

Minutes prepared by P1 (J. Pallierová)

