



## EUROPEAN ASSOCIATION FOR EARTHQUAKE ENGINEERING

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Audit Committee: Emil Sever Georgescu (Romania), Rudolf Heuer (Austria)

## **MINUTES OF THE EXECUTIVE COMMITTEE MEETING**

**Meeting number: 3 Date: 4 September 2016 Place: Trieste, Italy**

### **Attendance:**

*Atilla Ansal, President*

*Mihail Garevski, Vice President*

*Kyriazis Pitilakis, Vice President*

*Andreas Kappos, Secretary General*

*Alain Pecker, Secretary*

*Christoph Butenweg, Treasurer*

*Zygmunt Lubkowski*

*Maria José Jiménez, ESC Representative*

### **Apologies:**

*Mauro Dolce, Carlos Oliveira*

The third meeting of the Executive Committee (ExCo) of the European Association for Earthquake Engineering for the 2014-2018 period was held in Trieste, Italy on Sunday 4 September 2016 in the Congress Centre of the Maritime Station, between 10:00 and 13:30. The Executive Committee meeting was chaired by the President.

### **Agenda:**

1. *President's report*
2. *Central Office activities for 2015-2016 term*
3. *Secretary General's report*
4. *Update on the 16ECEE (by K. Pitilakis)*
5. *Task Group activities by A. Pecker*
6. *Report of the EAE representative to the ESC*
7. *Ambraseys Award 2018 Committee*
8. *Promotion of Earthquake Engineering in Europe*
9. *Bulletin of Earthquake Engineering and GGEE Book Series*
10. *Date of the next meeting*
11. *Miscellaneous*

Prior to opening the agenda the Secretary General (SG) welcomed all participants and expressed the thanks of the ExCo to the organisers of the ESC General Assembly who kindly provided the room where the meeting is held.

**Item 1:**

The President's report was presented by Prof. Ansal and is attached as part of Annex 1 herein. There were no matters arising from the report.

**Item 2:**

As the Central Office is located in Istanbul, its activities are currently coordinated by the President, who presented the Central Office activities report for the 2015-2016 term; the document is attached as part of Annex 1 herein. He also presented the Audit Report that was approved by the ExCo.

The ExCo approved in principle the appointment of an aide to the President to assist mainly with EAEE financial issues and the website; as soon as full details are available there will be an email ballot to confirm this appointment.

**Item 3:**

The Secretary General presented his activities report for the period from Aug. 2015 to Aug. 2016; the document is attached as Annex 2 herein. The ExCo ratified the Joint Guidelines for the European conferences on earthquake engineering and seismology developed by the ad-hoc appointed group. There was a discussion regarding the problems related to dormant or idle associations. The SG reported that all national delegated were sent emails and contact has been successfully made with Egypt, Israel and Ukraine. The SG asked for support from ExCo members with other idle associations. M Garevski agreed to assist with Serbia, Albania and Croatia and A. Pecker will contact P. Sollogub who has ties with Russia. Also, an attempt will be made to identify alternative contacts in Armenia (suggestions should be sent to the SG).

**Post-meeting note:** *The Secretary General (with the support of the above ExCo members) has established successful contact with Russia and Serbia, and Agim Seranaj from Tirana has indicated willingness to proceed with a new Albanian AEE, with support from M. Garevski and the SG. More details will be given at the next ExCo meeting.*

**Item 4:**

K Pitilakis reported on the progress in the organisation of the 16ECCE (Thessaloniki, 18-21/6/18), i.e. the web site, the different committees, the details of the venue, and the outline of the scientific programme (with emphasis on the topics to be covered in the normal and special sessions). Overall, the progress in the organisation of the Conference is deemed as satisfactory and the ExCo members congratulated K Pitilakis and the Organising Committee members on their efforts.

Pitilakis has asked the support of the ExCo members (by the end of the month) on the following specific issues:

- suggestions for keynote and theme speakers
- help from industry to develop Special Sessions on Large Engineering Projects – ZL to action
- contacting potential sponsors.

**Item 5:**

The Secretary Prof. Pecker presented the report of WG activities for the period from Sep. 2015 to July 2016. The document is attached as Annex 3 herein.

Each WG's activities were discussed at the ExCo meeting and it was felt that there was no point retaining idle groups until the next ECEE. Hence the decision was made to terminate immediately

the groups that did not present any noticeable activity nor have a well-defined scope of work and membership, namely WG2, WG3, and WG7. WG5 is suspended until a new proposal for coordinators and a new scope of work is received by the Secretariat; this proposal will be examined by the ExCo and a decision will be made to proceed or to terminate the WG. WG6 did not have any noticeable activity but the ExCo recognised the need to activate this WG and redefine its scope of work with focus on the evolution of EC8-5 that will be launched next year. The coordinators should provide a membership list which should include several representatives from the industry.

From the remaining groups, WG1, WG8 and WG11 were congratulated and encouraged to continue along the lines outlined in their reports, while WG10 is encouraged to proceed with the drafting of the document they are working on and may consider organizing a dedicated workshop.

**Item 6:**

The EAEE representative to the ESC Z. Lubkowski and Maria José Jiménez, after 12:00, were attending the ESC ExCo meeting. Issues related to the EAEE-ESC relationship were discussed at the Joint meeting of the two ExCo's in the afternoon of 4/9/16.

**Post-meeting note:** *The following report was received by ZL:*

- ESC have suggested a new Working Group on Induced Seismicity – They consider by perhaps employing John Douglas (University of Strathclyde) this would be a link to the engineering community.
- Following extended discussion the ESC voted to accept the joint ESC-EAEE proposals.
- Possible locations for next ESC congress include: Baku, Azerbaijan; Prague, Czech Republic; Rhodes, Greece; Valletta, Malta

**(Note from AA and SP:** Valletta, Malta was selected to host the next ESC GA; the new ESC President is Ina Cecic)

**Item 7:**

The Ambraseys 2018 Award Committee had been selected during the Cambridge meeting of the ExCo and it includes: A Ansal, A Kappos, M Koller, A Pecker, and MJ Jiménez from the ESC side. The system to be applied in selecting the new lecturer was discussed and the ExCo decided to partially change/broaden it by offering to the national delegates the opportunity to put forward candidates (no more than one from each delegate). Since the expected number of candidates is high, each member of the Award Committee will be able to vote for three candidates in the first round and there will be a second round with the three candidates that attracted the highest number of votes; therein each Committee member will vote for one candidate only. The procedure will be organised, as in all previous years, by the Secretary General.

**Item 8:**

There was a brief discussion of the issue of lobbying to increase funding for scientific research in earthquake engineering. At the end, the ExCo felt that at this stage there is very limited scope in the activities that can be further pursued in this direction by the EAEE.

**Item 9:**

The President presented his report on the *Bulletin of Earthquake Engineering and GGEE Book Series*; the document is attached as part of Annex 1 herein.

**Item 10:**

The next meeting of the ExCo was provisionally scheduled for Sunday the 10<sup>th</sup> of September 2017 in Thessaloniki, Greece, which will host the next ECEE.

**Item 11:**

The meeting ended with the thanks of the President and the SG to all participating members.

Andreas J. Kappos  
Secretary General

## **Annex 1**

### **President's and Central Office activities report for Aug. 2015- Aug. 2016**

#### **GENERAL**

The main activities of the Central Office during the past 12 months in the sequential order were:

- President participated to Joint EAEE& ESC Task Group Meeting for drafting the Guidelines for EAEE & ESC Joint Conferences on 18 January 2016
- The EAEE income and expenditures for 2015 were audited in May 2016 by an officially approved audit company. The Annual Activity and Audit Reports (in Turkish) for 2015 were submitted to the Istanbul Government Authorities. EAEE is required as a registered association to submit Annual Activity and Audit reports until the end of April.

#### The President participated:

To represent EAEE and to attend technical sessions and to promote special issues for BEE and new books for the GGEE book series. He made brief presentations about the EAEE and about Working Group activities in some of these meetings.

- 8 August 2015, Constanta, Romania, Romanian National Workshop for Black Sea Basin 2007-2013 project "A Scientific Network for Earthquake, Landslide and Flood Hazard Prevention"
- 24 August 2015, Skopje, Macedonia, Celebrations to mark 50 years of existence of IZIIS
- 7 October 2015, Xhanti, Greece, Open Seminar for Black Sea Basin 2007-2013 project "A Scientific Network for Earthquake, Landslide and Flood Hazard Prevention"
- 1-4 November, 2015 6<sup>th</sup> International Conference on Earthquake Geotechnical Engineering, Christchurch, New Zealand
- 18-20 November 2015, Luxembourg, ECGS & ESC/EAEE Workshop on Earthquake and Induced Multi-Risk Early Warning and Rapid Response
- 27-29 January 2016, UNISDR Science and Technology Conference on the implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030
- 13-14 June 2016, Kyoto, Japan, Kyoto Seminar on Developments in Earthquake Geotechnics
- 8 July 2016, Oporto, Portugal, InfraRisk- 2<sup>nd</sup> Summer School Workshop

#### **EXECUTIVE COMMITTEE**

Executive Committee approval is needed for the following expenditures

- Approval for paying approximately 506€ based on the conversion rate on the invoice date to the Audit Company for the Audit report cost for 2015
- Approval of the approximately 272€ for the Ambraseys Lecturer Award Statute

**BALANCE TOTALS FOR THE YEARS OF 2015-2016**

<b>BALANCE FOR JULY 2015</b>		27,895.36 €	
		<b>INCOME</b>	<b>EXPENDITURE</b>
<b>Membership fees from</b>			
<i>National Members</i>		5,733.92 €	
<i>National Members (BEE Subscribed Members)</i>		121.00 €	
<i>Corporate Members</i>		452.44 €	
<i>Individual Members - Electronic Subs.</i>		1,436.78 €	
<i>Individual Members - Paper Copy Subs.</i>		294.00 €	
<i>Individual Members - Electronic+Paper Copy Subs.</i>		490.00 €	
<b>Incomes</b>			
<i>2014 ECEE EAEE Contribution</i>		3,169.00 €	
<i>Bank Charge Back Payment</i>		16.23 €	
<b>Office Expences</b>			
<i>Auditing Cost (2014 and 2015)</i>			1,630.92 €
<i>Ambraseys Lecture Award</i>			246.12 €
<i>Ex. Com. Meeting Expense</i>			576.00 €
<i>Rate for bank account and Interest</i>			136.08 €
<b>SPRINGER</b>			
<i>Hard Copy</i>			720.00 €
<i>Electronic (2015)</i>			1,250.00 €
<b>SUM</b>		<b>39,608.73 €</b>	<b>4,559.12 €</b>
<b>DIFFERENCE</b>		<b>35,049.61 €</b>	
<b>SPRINGER DEBT (Hardcopy + Electronic 2016)</b>		<b>1,490.00 €</b>	
<b>BALANCE FOR SEPTEMBER 2016</b>		<b>33,559.61 €</b>	

**MEMBERSHIPS**

There has been no major changes in individual memberships. ANIDIS & SECED did not pay for 2016. Similar situation exists for National Members. Only 3 out 32 paid their National dues for 2015 and 2016. Similar situation exists for individual members.

**BULLETIN OF EARTHQUAKE ENGINEERING (BEE)**

The impact factors for 2015 increased significantly from 1.884 in 2014 to 2.036. BEE ranked third after Earthquake Engineering and Structural Dynamics and Earthquake Spectra, among the six earthquake engineering journals (Earthquake Engineering and Structural Dynamics, Earthquake Spectra, Bulletin of Earthquake Engineering, Soil Dynamics and Earthquake Engineering, Journal of Earthquake Engineering, Earthquake Engineering and Engineering Vibration).

Starting as of 2016 one of the eight Associate Editors, Michael Fardis, resigned from his post to be the Associate Editor for Earthquake Engineering and Structural Dynamics. At the present BEE have 7 Associate Editors (Nuray Aydınoğlu, Michael C. Constantinou, Dina D'Ayala, Andreas J Kappos, Marco Mucciarelli, Carlos Sousa Oliveira, Alain Pecker) and with the death of Ragnar Sigbjörnsson 16 Editorial Board Members (Pierre-Yves Bard, Katrin Beyer, Philippe Bisch, Alberto Castellani, Mauro Dolce, John Douglas, Peter Fajfar, Mihail Garevski, George Gazetas, Roger M.V. Musson, Roberto Paolucci, Rui Pinho, Kyriazis Pitilakis, Erdal Şafak, Dario Slejko, Robin Spence, Miha Tomazevic).

During the past years the number of submitted manuscripts has increased continuously to 336 in 2014 and 407 in 2015. It is estimated that this number may go up to 450 in 2016 considering that 340 manuscripts were already submitted to BEE by the end of August 2015. Thus it is likely we may receive about 430-450 manuscripts in 2016.

With respect to printed manuscripts; starting 2015 we started to publish 12 issues per year and the number of published manuscript increased to 167 in 2015. It is estimated based on the 129 manuscript published in 10 issues so far that the number of published manuscripts will be in the order of 160 for 2016.

3 Special issues during 2016 on:

1. The Fifteenth Mallet-Milne Lecture - Earthquake Safety in India: Achievements, Challenges and Opportunities (V14N5)
2. The European project UPStrat-MAFA: Urban Disaster Prevention Strategies Using MACroseismic Fields and FAult Sources (V14N7)
3. Strategic Applications of Real-time Risk Mitigation Strategies and Tools: Case Studies and Lessons Learned in REAKT (V14N9)

There are five Special issues in preparation:

1. Post-Earthquake Assessment; Guest Editors: Mauro Dolce, Gaetano Manfredi, Ken Elwood
2. Large Scale and On-Site Structural Testing for Seismic Performance Assessment; Guest Editors: Alper Ilki, Khalid Mosalam, Koichi Kusunoki, Michael Fardis
3. From global to regional and country-based seismic hazard modeling - A sample case: Global hazard models, Earthquake Model of the Middle East (EMME) and Revision of Turkish Seismic Hazard Map projects; Guest Editor: Sinan Akkar
4. S2 Project: from seismic observations to PSHA validation, Guest Editors: Laura Peruzza, Francesca Pacor, Agostino Goretti
5. Sigma, Guest Editor: Alain Pecker

#### ***BOOK SERIES ON GEOTECHNICAL, GEOLOGICAL AND EARTHQUAKE ENGINEERING***

Even though this activity was established independent of EAEE, in the long run it can be regarded as the official book series of EAEE. This book series would be suitable to publish the conference proceedings as well as the books that may come out of WGs. Springer offers 20% to EAEE Individual Members for this book series.

Recently Published titles:

1. Urban Resilience for Emergency Response and Recovery, Fundamental Concepts and Applications, Vol. 41 Ed: G.P. Cimellaro
2. Eurocode-Compliant Seismic Analysis and Design of R/C Buildings, Concepts, Commentary and Worked Examples with Flowcharts, Vol. 38, Eds: Avramidis, I., Athanatopoulou, A., Morfidis, K., Sextos, A., Giaralis, A.
3. Seismic Behaviour and Design of Irregular and Complex Civil Structures II, Vol. 40, Eds: Z. Zembaty, M. De Stefano

#### ***INTERNET - WEB***

The Internet-EAEE web pages that were created in 1995 were updated in the beginning of 2013. The present address of the EAEE Web Pages still is: <http://www.eaee.org>. The web pages are being managed by the Central Office.

Atilla Ansal & Gökçe Tönük  
4/9/16

## Annex 2

### Secretary General's activities report for Aug. 2015 – Aug. 2016

#### SG GENERAL ACTIVITIES

The main activities of the Secretary General in the period since his last report (11/7/2015) were:

- Preparing the minutes of the July 2015 ExCo meeting in Istanbul and circulating them among its members for comments; the final version of the minutes was distributed on 11/10/2015.
- Correspondence with EAEE National Delegates and members, as well as other associations expressing an interest in (re)joining the EAEE.
  - The negotiations with the Iranian Earthquake Engineering Association (IEEA) for have been successfully concluded and this large group has been admitted to the EAEE as of 1/8/2015
  - Negotiations between the SG and Cyprus representatives are still under way for the Cyprus AEE (formerly the Scientific Technical Chamber of Cyprus, ETEK) to join again the EAEE.
  - The Armenian Association for Earthquake Engineering was contacted in a similar context, but there was no response from their side.
- All National Delegates were contacted by the SG and were asked to update their existing data (also posted on the EAEE website). A number of updates were collected and the EAEE archives were updated (see Annex A).
- A joint meeting of EAEE (Ansal, Kappos, Koller), ESC (Parolai, Garcia-Fernandez, and by email, Giardini) was held on 18/1/16 and culminated into the Joint Conference Guidelines, finally approved by this ad hoc committee in Feb. 2016 (document included as Annex B). This is considered as a major step forward in the collaboration between the two associations.
- Liaison with vice-president and chairman of the 16ECEE OC (Pitilakis) with regard to several issues regarding the organisation of the 2018 Thessaloniki Conference (see also item 4 on the agenda).
- Liaison with Secretary A. Pecker for coordinating the activities of the EAEE WGs and requesting their reports (see also item 5 on the agenda).
- Continuous contribution to the *Bulletin of Earthquake Engineering* (see also item 9 on the agenda) in the role of associate editor, since 1/1/2015.

#### Participation of Secretary General to scientific events:

The SG represented the EAEE and attended technical sessions in a number of conferences, workshops, and other scientific/technical events. Wherever he was given the opportunity, he made brief presentations about the EAEE and its Working Group activities.

- Keynote lecturer at the International Conference Geo-Risks in the Mediterranean and their Mitigation, Malta, 20-21 July 2015; topic: "Derivation of seismic fragility curves for masonry buildings with the aid of advanced analysis tools")
- Jointly with Jimenez, M.J. Ansal, A., Parolai, S., and Kuterdem, K. prepared the paper (poster) "How seismology and earthquake engineering may contribute to the regional

earthquake risk reduction activities during the Sendai framework period?", presented at the UNISDR Science and Technology Conference on the Implementation of the Sendai Framework for Disaster Risk Reduction 2015-2030, Geneva, 27 - 29 Jan. 2016.

### ***EXECUTIVE COMMITTEE***

The only postal ballot by the Executive Committee during this period was for the admission of the Iranian EEA. Moreover, several issues were discussed by email and the outcome was i.a. to include additional items in the agenda of the ExCo meeting.

### ***MEMBERSHIP***

Presently EAEE has 195 Individual, 6 Organizational, and 31 National Members. The Central Office will be sending out e-mail letters to all Member Organisations informing them about their unpaid membership dues.

### ***BULLETIN***

This will be discussed in a separate report, to be presented by the President (and Editor in Chief of the Bulletin). The SG reported to the committee details of a search on impact factors of Earthquake Engineering journals, whose outcome indicated the BEE is this year the third ranked in the field, but with an all-time record rank of above 2.0; the full list is:

1.	Earthquake Spectra	2.298
2.	EESD	2.127
3.	Bull. of Erq Engineering	2.036
4.	SDEE	1.481
5.	Jnl of Erq Engineering	0.922
6.	Erq Eng & Eng Vibrn	0.814
7.	Earthquakes & Strs	0.789

Andreas Kappos  
2/9/16

## Annex 3

### Secretary's report on WG activities for 2015-2016 term

#### 1. Current state of WGs: 9 WGs were identified during the last ExCo meeting in Cambridge (July 2015)

WG1 - Future directions for Eurocode 8

WG2 - Strong Motion Records and for Engineering Applications

WG3 - Structural Vulnerability and Earthquake Scenario

WG5 - Seismic Isolation of Structures

WG6 - Geotechnical Earthquake Engineering

WG7 - Development of Shaking Table Testing Techniques

WG8 - Seismic Behaviour of Irregular and Complex Structures

WG10 - Seismic Aspects of Historical Monument Preservations

WG11 - Seismic Design, Assessment, and Retrofit of Bridges

During the last Executive Committee meeting, recommendations have been formulated for almost each of working groups. They have been forwarded to the WGs coordinators shortly after the meeting.

For the period July 2015 – July 2016, emails have been sent (March and June 2016) to the WGs coordinators to follow the implementation of recommendations and progress of work. Only 4 answers were received. The present is organized, for each WG, as follows: the main recommendations formulated in the last ExCo are recalled, implementation of these recommendations is monitored, the progress of work and plans for future activities are presented based on the information received from the WG's coordinators. Finally, decisions and recommendations of the ExCo, as discussed in Trieste, are summarized.

#### 2. WG1 - Future directions for Eurocode 8 Coordinator: Edmund Booth

WG1 was established in September 2013. Its objective is to propose ways in which EC8's development should proceed, accounting for a longer timescale than that dictated by the current CEN revision of the Eurocode suite. It will limit itself to proposing broad objectives for EC8 to achieve by 2025; detailed code drafting is beyond its scope.

Recommendation from last ExCo: WG was on track and encouraged to continue along same lines.

Implementation: the recommendations were followed and a progress report provided.

Progress of work:

A progress report has been sent to the Secretariat.

- The Membership list is unchanged with 18 members from 9 countries + 2 observers (from JRC, ISPRA). The membership list is provided in the minutes of the last ExCo meeting.
- One meeting was held on July 2015 during which it was decided to reduce each section of the document to a bullet point summary of the main ideas with at most 2 pages per section.
- A major milestone has been achieved during the period with the completion of a complete draft of the summary report. This report is presently being circulated within the WG's members.
- The tentative objective is to have the final agreed version available for the SC8 meeting in Cyprus on October 6 & 7 to assist CEN sub-committee SC8 in making key decisions about EC8.

Proposed future activities:

- The WG coordinator proposes to extend the scope of the document to cover non-building structures.
- Possibly prepare a special issue of BEE with expanded recommendations and discussion of the topics contained in the document.

**3. WG2 – Strong Motion Records for Engineering Applications**  
**Coordinators: Sinan Akkar, Nikos Theodulidis**

Recommendation from last ExCo: It was recommended to the WG to make an effort not to duplicate work already covered in other instances and to take advantage of the EOPS to reorient the activities towards aspects not treated in EPOS.

Implementation: the Secretariat has not been informed of any follow-up of the recommendations.

Progress of work:

The Secretariat did not receive any reply to his email from the WG's coordinators.

**4. WG3 – Earthquake Hazard, Earthquake Risk and Earthquake Scenarios**  
**Coordinators: Mauro Dolce**

Recommendation from last ExCo: WG3 was instructed not enter the political arena but rather to attempt doing lobbying to raise funds for research in seismic risk assessment and mitigation measures. It was also suggested to choose a new co-coordinator and redefine a more focus scope of work.

Implementation: the Secretariat has not been informed of any follow-up of the recommendations.

Progress of work:

The Secretariat did not receive any reply to his email from the WG's coordinators.

**5. WG5 – Seismic Isolation of Structures**  
**Coordinator: Mihail Garevski, Mauro Dolce**

Recommendation from last ExCo: The coordinators were asked to provide a membership list and a detailed scope of work.

Implementation: the Secretariat has not been informed of any follow-up of the recommendations.

Progress of work:

The Secretariat did not receive any reply to his email from the WG's coordinators.

**6. WG6 – Geotechnical Earthquake Engineering**  
**Coordinators: Kyriazis Pitilakis, F. Silvestri**

Recommendation from last ExCo: WG6 should be a portal to disseminate the activities of TC203, should redirect its activities towards industry, prepare background documents for EC8-5 and propose a new membership list (with a majority of members from industry) within 6 months.

Implementation: the Secretariat has not been informed of any follow-up of the recommendations.

Progress of work:

The Secretariat did not receive any reply to his email from the WG's coordinators.

**7. WG7 – Development of Shaking Table Testing Techniques**  
**Coordinator: Adam Crew**

Recommendation from last ExCo: The scope of the WG must be broaden; accordingly, a new name has been proposed "Large facilities for earthquake engineering". It was recommended to choose a co-coordinator and to propose a membership list.

Implementation: the Secretariat has not been informed of any follow-up of the recommendations despite a personal mail sent to Adam Crew after the ExCo.

Progress of work:

The Secretariat did not receive any reply to his email from the WG's coordinators.

**8. WG8 – Seismic Behaviour of Irregular and Complex Structures**  
**Coordinator: Mario De Stefano**

Recommendation from last ExCo: To reduce the number of members to  $\pm 20$  active members with a complementary list of corresponding members.

Implementation: the ExCo recommendation for reduction of membership has been implemented with currently a list of 19 active members from widespread countries.

Progress of work:

A progress report has been sent to the Secretariat. For the period extending from July 2015 to July 2016, the salient activities are:

- The WG has been active in the preparation of 8<sup>th</sup> workshop on seismic behaviour of irregular and complex structures (to be held on 2017 either in Bucharest or Lisbon).
- A significant amount of efforts has been devoted to the dissemination of the Springer books published in 2013 and 2014.

Proposed future activities:

The WG

- intends to continue the dissemination of the books;
- will prepare the organization of 8<sup>th</sup> workshop on the seismic behavior of irregular and complex structures;
- will try to create a research network to participate to national and international calls (EU Horizon 2020 programme);
- will submit specific comments for revision EN 1998-1.

Regarding the last item, the ExCo notes that this task does not fit the schedule of the EC8 revision which has already started and is supposed to end (for this aspect) in June 2017.

**9. WG10 – Seismic Aspects of Historical Monument Preservations**  
**Coordinator: Elizabeth Vintzileou**

Recommendation from last ExCo: WG10 was considered on track and encourage to continue along same lines and to increase its visibility.

Implementation: the ExCo recommendation was not really followed because the WG has been rather inactive during the last period.

Progress of work:

A progress report has been sent to the Secretariat although the activities were limited. For the period extending from July 2015 to July 2016:

- Members have uploaded the relevant technical literature for each chapter of the document on the dedicated platform;
- Drafting of the texts has not yet started;
- The main reason for the delay of activities comes from the involvement of members in CEN working groups; priority was given by the members to the CEN WGs;
- The positive side is that the WG will benefit from the work done in CEN WGs.

Proposed future activities:

The WG's coordinator intends to reactivate the group on the occasion of 16IBMAC and to establish new deadlines for preparation of the document.

**10. WG11 – Seismic Design, Assessment, and Retrofit of Bridges**  
**Coordinator: Andreas Kappos, Anastasios Sextos**

Recommendation from last ExCo: WG11 was considered on track and encourage to continue along same lines.

Implementation: the ExCo recommendations were followed.

Progress of work:

A progress report has been sent to the Secretariat. For the period extending from July 2015 to July 2016:

- The membership is unchanged with 16 members from 8 countries + 13 corresponding members. The membership list is provided in the minutes of the last ExCo meeting.
- A seminar on seismic design of bridges was organized in Bristol on April 2016 by T. Isakovic;
- Liaison was established with parent committees: ACI 341, ASCE/SEI Performance-based Design for Structures Committee;
- WG11 activities were presented at ASCE/SEI by A. Sextos in Phoenix in February 2016;
- Liaison was established between the WG11/Project Team 3 and the Chinese High-end Experts Programme (Prof. B. Briseghella, Fuzhou University) to organize a two week visit in Fuzhou, China focusing on the topic of PT3 (the visit took place on July 2016);
- Preparation of state-of-the-art review papers and/or special issues (PT1, PT3).

Proposed future activities:

The WG will organize Special Session 85SS on “Recent innovations in design and analysis of concrete bridges” during the 16<sup>th</sup> World Conference of Earthquake Engineering (organisers A. Kappos, S. Sritharan). Obviously, the preparation has already started and to date 16 papers have been received.

**11. Conclusions and recommendations**

All the WGs which have been active are congratulated and encouraged to continue their tasks. Those who have been inactive for the period, especially when this period corresponds to a second consecutive term of inactivities, are terminated. More specifically:

- WG1: the work done by WG1 is totally on line with the objectives of the WG and the WG is encouraged to continue along the lines outlined in the report, including the perspective for future work.
- WG2 is terminated.
- WG3 is terminated.
- WG5 is suspended until a new proposal for coordinators and a new scope of work is received by the Secretariat. This proposal will be examined by the ExCo and decision will be made to proceed or to terminate the WG.

- WG6: there is an urgent need to activate the WG and to redefine the scope of work with focus exclusively on the revision of EC8-5 that will be launched next year. The coordinators should provide a membership list which shall include several representatives from the industry.
- WG7 is terminated.
- WG8: the work done by WG8 is totally on line with the objectives and the WG is encouraged to continue along the lines outlined in the report.
- WG10 is encouraged to proceed with the drafting of the document. It is suggested that the WG, to increase its visibility and reactivate its work, may consider organizing a dedicated workshop.
- WG11: the work done by WG11 is totally on line with the objectives of the WG and the WG is encouraged to continue along the lines outlined in the report.

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