

## NOTES OF A MEETING OF THE EDUCATION COMMITTEE

HELD ON THURSDAY 11 APRIL 2019  
FROM 8.30 UNTIL 13.00 IN SOFIA, BULGARIA

### Participants

The participants list is added as Annex 0.1.

#### 1. OPENING OF THE MEETING AND ADOPTION OF THE AGENDA

Henning Wergen welcomed all participants and opened the meeting. All participants introduced themselves.

The agenda was adopted as circulated before the meeting.

#### 2. MINUTES OF PREVIOUS MEETING

The minutes of the previous meeting from 20 September 2018 in Utrecht, the Netherlands, were passed unanimously.

#### 3. VICE-CHAIR PERSON

Henning Wergen reported that all committees should have a vice-chair person to support the work of the chairperson. This role is especially important in times where the chairperson is not fully available. The Education Committee is also asked to propose a suitable candidate to the AAE Board.

The Education Committee proposed by unanimous vote Rafael Moreno Ruiz (Spain) as vice-chair person. Henning Wergen will submit this proposal to the board.

#### 4. AAE CORE SYLLABUS

Henning Wergen reminded the Education Committee that the proposed contents of a new AAE Core Syllabus were adopted at the last meeting in Utrecht. The accompanying guidelines for the implementation of the syllabus were also supported by the members of the committee with some minor amendments to be made. Those changes were agreed on in November 2018. At the beginning of 2019 the proposed AAE Core Syllabus together with the guidelines were presented to all member associations and an opportunity for comment was given.

So far, the Task Force has received feedback from two-thirds of the member associations. Almost all feedback was supportive, most associations indicated around two to four years for implementing the syllabus. The Austrian association made some general remarks regarding future education guidelines.

No association needs support for the implementation of the syllabus.

The concerns of the Aktuarvereinigung Österreichs are outlined in Annex 4.1 that was circulated with the papers for this meeting.

The Education Committee noted the concerns expressed by Christian Buchta.

The vast majority of the members present agreed that the differences in education systems need to be recognised and therefore the considerations should focus on the outcome. It should be ensured that the different national outcomes are comparable. Therefore an audit process is necessary. This audit process should not be part of the guidelines, but instead be defined in a side note. The guidelines should contain a reference to the side note such that its existence is visible to interested persons outside of the AAE. A new Task Force has been set up to prepare a side note concerning the audit process. Petr Bohumský, Christian Buchta, Clifford Friend, Olivier Lopez, Olivier Steiger and Henning Wergen joined the task force.

Clifford Friend pointed out that section 5 of the guidelines refers to a “Full Membership” which may need further specification. The Education Committee agreed that Full Membership in this sense means a level of membership that qualifies for the Mutual Recognition Agreement (MRA). Section 5 should be amended accordingly. In doing so, it needs to be considered that there is no circular reasoning where the guidelines of the syllabus refers to the MRA and the MRA refers to the guidelines of the syllabus.

A webinar on the proposed AAE Core Syllabus and guidelines will take place on 9 May 2019.

The aim is to have the final Core Syllabus together with the guidelines passed at the next General Assembly of the AAE in October 2019.

## **5 AAE CORE SYLLABUS – PRACTICAL EXPERIENCE**

The Education Committee discussed section 20 of the guidelines including a minimum of two years’ of practical actuarial experience that are required by all Full Membership Association to fulfil the requirements of the Core Syllabus. This section was included in the guidelines, because it applies for candidates under the MRA but is more a requirement of basic education as several competencies that are laid out in the Learning Objectives might not be obtained only through theoretical studies.

The majority agreed with the proposed section 20. In Italy and Spain no practical experience is required, e.g. because the law does not allow it and the profession is strongly regulated by the government. Rafael Moreno Ruiz suggested that the associations without a requirement for practical experience might require 2 years only for the MRA to become applicable.

## **6. IAA EDUCATION SYLLABUS**

The members of the AAE Education Committee took notice of the minutes from the last meeting of the IAA Education Committee on 29 November 2018 in Mexico City.

During this last meeting of the IAA Education Committee, the Committee agreed to check the final version of the AAE Core Syllabus after it has been accepted by the General Assembly. If the IAA Education Committee generally agrees with the AAE Core Syllabus, there will be no additional checks of the AAE member associations performed by the IAA. Therefore, all associations fulfilling the AAE education requirements will automatically fulfil the IAA education requirements.

## **7. CPD TASK FORCE**

The CPD Task Force, set up jointly by the Professionalism and the Education Committee, presented a comparison of the CPD guidelines in all European associations as well as some selected other associations. It turned out that all European associations have CPD schemes. However, there are numerous differences with regard to the necessary scope, the obligation of

individual members to report on their own activities and the consequences of a violation of a possible CPD requirement. Details on the CPD requirements of the European and some selected other associations are available in Annex 7b that was circulated with the papers for this meeting.

The CPD Task Force will create a final report for further development of the AAE CPD strategy by the end of June 2019 and submit it to the Education Committee. The aim is to introduce greater binding force for national CPD strategies. It is not the aim to achieve a complete harmonisation of national CPD requirements. The Education Committee asked the CPD Task Force to include some information in the final report on good practice concerning the consequences of a violation of CPD requirements. Furthermore, the Education Committee agreed to include Marjon Tjia in the CPD Task Force.

Rafael Moreno Ruiz also reported on a rather new development in the field of CPD, the outcome-based CPD scheme. Outcome-based CPD schemes do not measure the number of hours, but instead the outcome in terms of gained competences.

#### **8. ECA 2019**

Henning Wergen updated the Education Committee on the next European Congress of Actuaries, which will take place on 6 / 7 June 2019 in Lisbon. After a very successful call for papers, the Program Committee put together an interesting program consisting of 36 presentations in breakout sessions. The program is available at [www.eca2019.org](http://www.eca2019.org) and will be broadcast live on the new streaming platform actuviev.

With over 250 registered participants, the congress is fully booked. The goals set in the area of sponsoring were exceeded as well, so that a positive financial result of the congress is to be expected.

#### **9. WEBINARS**

Henning Wergen pointed out that a webinar on the new AAE Core Syllabus will take place on 9 May 2019. This webinar is intended to give a short overview on syllabus and guidelines, to outline the implementation and the requirements to comply with the syllabus content. Participants will be able to also hand in questions and remarks.

The speakers will be Rafael Moreno Ruiz, Marjon Tjia and Henning Wergen.

#### **10. FULL MEMBERSHIP OF THE ACTUARIAL SOCIETY OF TURKEY**

The Actuarial Society of Turkey included a specialisation into their national education requirements that provides a deeper understanding and now meets the AAE education requirements. After these changes to the national education system had been implemented, the General Assembly decided last year to accept the application of the Actuarial Society of Turkey.

The Turkish membership has been discussed in the Professionalism Committee, as the Statutes do not cover it. Currently the Statutes know only two cases – associations that have to sign and associations that are not allowed to sign. The statutes do not cover the case where an association wishes to sign voluntarily.

## 11. QUALIFICATIONS

### **CERTIFIED ACTUARIAL ANALYST (CAA)**

Clifford Friend gave a short report on the current developments of the Certified Actuarial Analyst (CAA).

The CAA is a para-actuarial qualification below an associate qualification especially focussing on technical expertise. The concept of distance learning with exams has proven its worth. The number of examinees is growing fast throughout the world, especially in Europe and Africa. The average time for completion is 2-3 years. The Institute and Faculty of Actuaries is also planning to launch a transition route to gain actuarial credentials.

### **Certified Enterprise Risk Actuary (CERA)**

A short report on the current activities of the CERA Global Association (CGA) was given.

The Society of Actuaries in Ireland has just been admitted as an acceding party member of the CGA. Instituto des Actuarios Españoles started the practitioner's pathway for experienced members in the field of ERM. For the first time the Institute and Faculty of Actuaries offers CERA seminars in India in addition to the usual locations in Ireland and England.

The 10th anniversary of the CGA in November 2019 will be used to further promote CERA to actuarial associations and employers.

### **DATA SCIENCE PROGRAMMS**

Olivier Lopez reported that the Institut des Actuaries has been offering its members a program in data science for 5 years. The program is attended by 20 people per year. This is the current maximum capacity.

The German Association of Actuaries offers four CPD seminars in the field of Data Science and is currently evaluating whether and how Data Science can be integrated into its regular path to become a member.

The members of the Education Committee agree that Data Science is a very important topic for actuaries and Data Scientists in insurance and finance need to be included in the actuarial associations. Therefore, it might be necessary to think of new ways to integrate these experts into the actuarial community. There is the desire to exchange information on current developments in the field of Data Science and to develop a common idea. A new Task Force has been set up for this purpose. Colm Fitzgerald, Olivier Lopez, Rafael Moreno Ruiz and Henning Wergen joined the task force. The Society of Actuaries in Ireland will also appoint a member of the Task Force.

## 12. OTHER ORGANISATIONS

### **IAA Education Committee**

In addition to agenda item 6, Henning Wergen reported that he had been elected vice-chair person of the IAA Education Committee.

### **EAA**

The participants received an update on the activities of the European Actuarial Academy regarding CPD events and potential CERA cooperation. A written report was shared before the meeting. Additionally it is pointed out, that the EAA is organising the ECA 2019 on behalf of the AAE.

### 13. ORGANISATIONAL ISSUES

The members of the Education Committee took notice of the written reports on

- Terms of reference
- Education Committee objectives
- Education Committee structure
- yearly plan

that were shared before the meeting.

Henning Wergen pointed out that the Terms of reference need to be updated and referred to the first proposal shared before the meeting. The Education Committee agreed on the first proposal and the members will send further comments to Henning Wergen until June 2019.

### 14. INFORMATION EXCHANGE

All participants reported on their national activities.

*Austria:* It was reported that the Aktuarvereinigung Österreichs is offering a Data Science program consisting of two courses. Additionally the course “Statistical Methods of Insurance” has been replaced by the course “Statistical Methods of Data Science”.

*Portugal:* The Instituto dos Actuários Portugueses is currently working on the implementation of the proposed AAE Core Syllabus. Another important topic is the ECA 2019 in Lisbon.

*Hungary:* Erszebet Kovacs reported that Magyar Aktuárius Társaság is planning a congress and a summer school.

*France:* Currently the most important activities in education of the Institut des Actuaire are the Data Science program, the implementation of the proposed AAE Core Syllabus.

*Italy:* Ermanno Pitacco reported that the university of Trieste offers a Data Science track with two exams (12 out of 120 credits) which over one third of the students choose.

*Catalonia:* The Col·legi d'Actuaris de Catalunya introduced a new CPD scheme in January 2019 that will be reviewed for the first time in a few months. In order to implement the proposed AAE Core Syllabus the Master's program will be changed.

*Switzerland:* The Association Suisse des Actuaire established a Data Science working group and set up the website [www.actuarialdatascience.org](http://www.actuarialdatascience.org) offering a strategy paper, tutorials, lectures and courses.

*Slovakia:* Maria Kamenarova reported that a CPD scheme has been installed and seminars are offered. Now the proposed AAE Core Syllabus is to be implemented.

Overall, the demand for actuarial expertise is growing, while the number of graduates is decreasing. Therefore, the association is currently looking into possibilities to promote the actuarial profession.

*Sweden:* The education system of the Svenska Aktuarieföreningen is university based and therefore the implementation of the proposed AAE Core Syllabus will take some time. The education already includes many Data Science topics.

*Czechia:* Česká společnost aktuárů plans to involve universities more in the actuarial education and wants to upgrade the CPD program.

*United Kingdom:* The Institute and Faculty of Actuaries is working on the implementation of the proposed AAE Core Syllabus. In the future, there also will be online exams. The association is

growing very quickly and becoming more global. Especially the demand for Data Science seminars is very good.

*Ireland:* The Society of Actuaries in Ireland has just been admitted as an acceding party member of the CERA Global Association.

*Bulgaria:* The Bulgarian Actuarial Society implemented a new education system and is now incorporating the proposed AAE Core Syllabus. In addition, the CPD scheme will be reviewed.

*Spain:* It was reported that the Instituto de Actuarios Españoles has introduced its first CPD system in 2018. For the implementation of the proposed AAE Core Syllabus, the association is working with eight universities. The implementation will take up to 3 years.

As the profession in Spain is strongly regulated, the association is talking to the government in order to get either a special recognition or at least a clear frame.

*Germany:* The Deutsche Aktuarvereinigung (DAV) has launched its new education scheme in 2018, which fulfils the 2017 IAA requirements in the basic education section. The first exams in the area of specialist knowledge will take place in May 2019. The completely restructured education scheme has already proved its worth. The support from companies and new students is very high.

For five years, there has been a compulsory CPD requirement of 20 hours in Germany. Members not fulfilling their CPD requirements face a disciplinary process with charges.

Another important topic is Data Science. Currently 4 CPD seminars in the field of Data Science are offered. The board of DAV is evaluating whether and how Data Science can be integrated into its regular path to become a member. The aim is to include Data Scientists in insurance and finance in the association.

#### 15. **ANY OTHER BUSINESS**

Colm Fitzgerald reported that he is working with students on the question to what extent actuaries with their classical competencies can go into non-traditional areas and industries. The idea came up to implement a competition for actuarial students to show how actuaries can work in non-traditional fields. First ideas were for example the energy sector, waste management or the justice system. Colm Fitzgerald asked the committee members for their comments on such a competition by e-mail.

#### 16. **DATE AND PLACE OF NEXT MEETING**

The next meeting of the Education Committee will take place in Vienna, Austria, on Friday 11 October 2019 at the invitation of the Aktuarvereinigung Österreichs.

#### 17. **RESERVED (CONFIDENTIAL) BUSINESS**

There was no such business.

**Annex 0.1: Participants**

	<b>Delegates</b>	<b>Country</b>	<b>Nominating association</b>
1	Christian Buchta	Austria	Aktuarvereinigung Österreichs
2	Milena Maslenkova	Bulgaria	Bulgarian Actuarial Society
3	Petr Bohumský	Czechia	Česká společnost aktuárů
4	Olivier Lopez	France	Institut des Actuaire
5	Henning Wergen	Germany	Deutsche Aktuarvereinigung
6	Erszebet Kovacs	Hungary	Magyar Aktuárius Táraság
7	Ferenc Gábor Pásztor	Hungary	Magyar Aktuárius Táraság
8	Ermanno Pitacco	Italy	Istituto Italiano degli Attuari
9	Onofre Simoes	Portugal	Instituto dos Actuários Portugueses
10	Yvonne Lynch	Republic of Ireland	Society of Actuaries in Ireland
11	Maria Kamenarova	Slovak Republic	Slovenská spoločnosť aktuárov
12	Rafael Moreno Ruiz	Spain	Instituto de Actuários Españoles
13	Mercé Claramunt	Spain	Col.legi d'Actuaris de Catalunya
14	Elinore Gustafsson	Sweden	Svenska Aktuarieföreningen
15	Olivier Steiger	Switzerland	Association Suisse des Actuaire
16	Colm Fitzgerald	United Kingdom	Institute and Faculty of Actuaries
17	Clifford Friend	United Kingdom	Institute and Faculty of Actuaries