



# ACTUARIAL ASSOCIATION OF EUROPE

**Aktuár v evropském kontextu**

**Esko Kivisaari**

**100 let Česká společnost aktuárů**

**19 September, 2019**

# Actuarial Association of Europe

The Actuarial Association of Europe (AAE) was established in 1978 under the name [Groupe Consultatif](#) to represent actuarial associations in Europe. Its purpose is to provide advice and opinions to the various organisations of the European Union – the Commission, the Council of Ministers, the European Parliament, EIOPA and their various committees – on actuarial issues in European legislation.



Esko Kivisaari  
Chairperson

The AAE currently has 36 [member associations](#) in 35 European countries, representing over 24,000 actuaries.

Advice and comments provided by the AAE on behalf of the European actuarial profession are totally independent of industry interests.

# AAE Board of Directors



*Esko Kivisaari*  
Chairperson



*Falco Valkenburg*  
Vice-Chairperson



*Thomas Béhar*  
Immediate Past  
Chairperson



*Mária Kamenárová*  
Member



*José Mendinhos*  
Member



*Wilhelm Schneemeier*  
Member



*Kartina Thomson*  
Member



*Lutz Wilhelmy*  
Member



*Gunn Albertsen*  
Member



# Vision and Values

The vision of the Actuarial Association of Europe (AAE) is for actuaries throughout Europe to be recognised as the leading quantitative professional advisers in financial services, risk management and social protection, contributing to the well-being of society, and for European institutions to recognise the valuable role that the AAE plays as a leading source of advice on actuarial and related issues.

The AAE shares the following values:

- concern for the public interest
- Integrity
- Independence
- collaboration and respect
- transparency and accountability

# Strategic Objectives

## **Strategic Objective 1: Enhance relations with European institutions**

Establish and maintain relationships with key European institutions, so that the AAE can effectively provide them with high quality professional advice to improve the soundness of decisions from an actuarial perspective.

- Play a prominent role in shaping the development of new European legislation, and in the review and refinement of existing legislation, affecting the work of actuaries in traditional areas and in wider fields as actuaries extend their areas of involvement;
- Reinforce existing relationships with the European Commission and EIOPA;
- Build and enhance relationships with the European Parliament and the Council of the EU; and
- Maintain contact with other European organisations such as industry and consumer protection bodies.

# Strategic Objectives

## Strategic Objective 2: Promote Professionalism

Promote consistent standards of education and professionalism among actuaries in Europe.

- prescribe minimum requirements for the education of actuaries to be applied by member associations;
- facilitate continuing professional development of actuaries;
- ensure that all member associations have a code of professional conduct which reflects at least the requirements of the AAE's Code of Professional Conduct, and an appropriate disciplinary process;
- develop and maintain model standards of actuarial practice for work undertaken by actuaries in relation to EU regulatory requirements;
- maintain a mutual recognition agreement which is consistent with the requirements of the EU Recognition of Professional Qualifications Directive;
- support the development and recognition of individual member associations;
- help to ensure that regulated actuarial work is performed by those properly qualified to undertake it and subject to relevant professional and technical actuarial standards; and
- support the development and recognition of actuarial work in wider fields as actuaries extend their areas of involvement.

# Strategic Objectives

## **Strategic Objective 3: Promote a European community of actuaries**

Promote a European community of actuaries between AAE member associations, their members and the AAE.

- encourage the exchange of information and ideas;
- facilitate networking between actuaries, especially in wider fields;
- strengthen awareness among member associations and their members of the work of the AAE; and
- facilitate mutual assistance between member associations.

# AAE Committee Chairpersons

Risk  
Management



*Malcolm  
Kemp*

Insurance



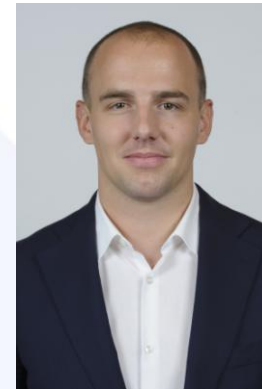
*Tony  
O'Riordan*

Pensions



*Maitane  
Mancebo*

Professionalism



*Christophe  
Heck*

Education



*Henning  
Wergen*

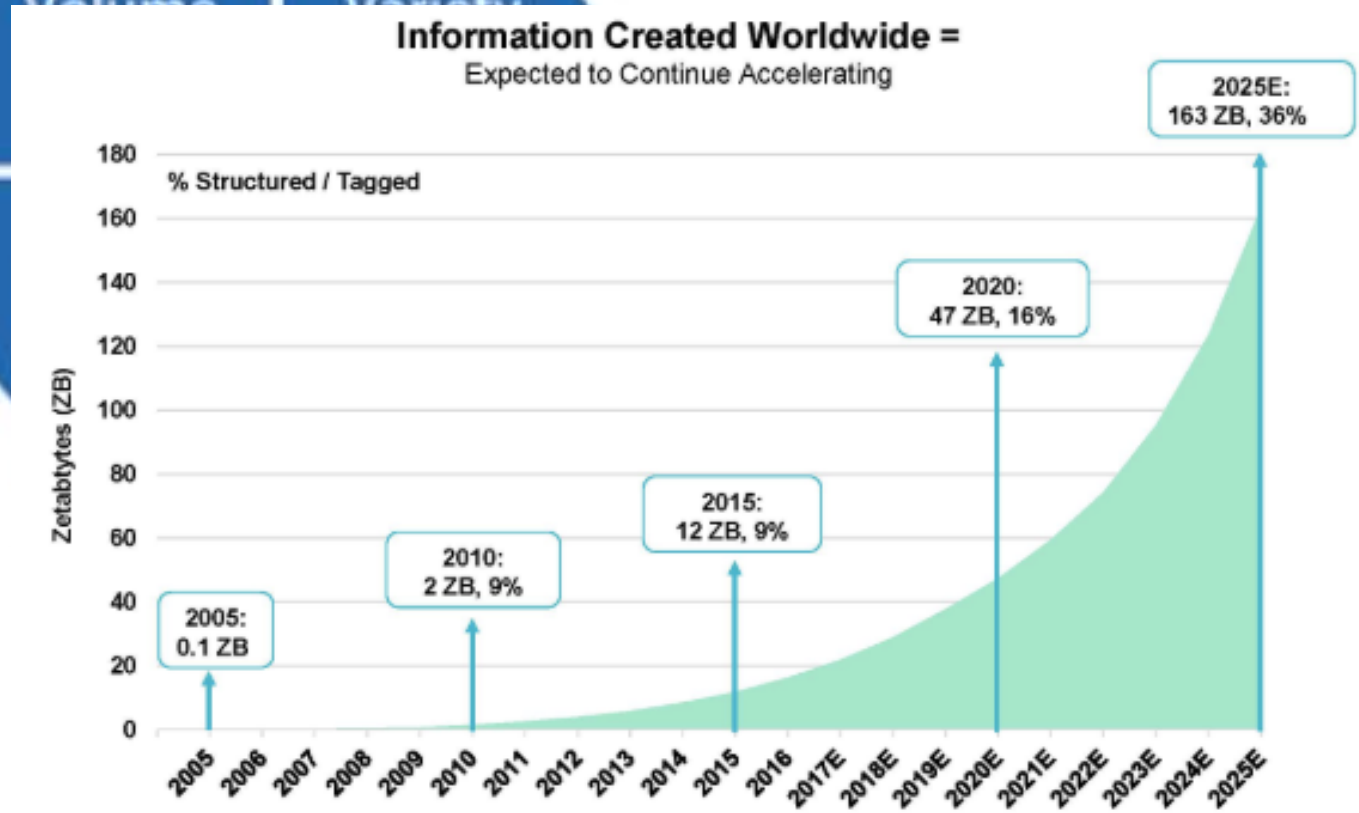


# Challenges – Big Data

Scale of Data

Different forms of Data

Analysis of Data



## Lloyds and Barclays hit by \$4 billion insurance mis-selling claims

Iain Withers, Lawrence White

4 MIN READ



LONDON (Reuters) - Lloyds ([LLOY.L](#)) and Barclays ([BARC.L](#)) on Monday said a surge in late claims could see them pay out around \$2 billion more each to settle Britain's costliest consumer banking scandal, the mis-selling of payment protection insurance (PPI).



# Challenges – Climate Change

The Paris target (1.5-2°C) to limit dangerous physical effects of climate change is vital but tough to meet.

To hit the Paris targets will require a long, profound transition. This means major changes to energy, industry,

Research

## Ther Warming by 2100

### Pro Physical impacts

by 2



Sea-Level Rise (cm)



Coastal assets to defend (\$tn)



Chance of ice-free Arctic summer



Tropical cyclones: Fewer (#cat 1-5)

	<2 °C		3 °C	5 °C
	1.5 °C	2 °C		
Sea-Level Rise (cm)	0.3-0.6 m	0.4-0.8 m	0.4-0.9 m	0.5-1.7 m
Coastal assets to defend (\$tn)	\$10.2tn	\$11.7tn	\$14.6tn	\$27.5tn
Chance of ice-free Arctic summer	1 in 30	1 in 6	4 in 6 (63%)	6 in 6 (100%)
Tropical cyclones: Fewer (#cat 1-5)	-1%	-6%	-16%	Unknown

### Economic impacts



Global GDP impact (2018: \$80tn)

-10%

-13%

-23%

-45%



Stranded assets

Transition: fossil fuel assets (supply, power, transport, industry)

Mixed: some fossil fuel assets mothballed, some physical stranding

Physical: uninhabitable zones, agriculture, water-intensive industry, lost tourism etc



Food supply

Changing diets, some yield loss in tropics

24% yield loss

60% yield loss, 60% demand increase



Insurance opportunities

New low-carbon assets and infrastructure investment (e.g. CCS)

Increasing demand to manage growing risks

Minimal: recession, tensions, high and unpredictable risks

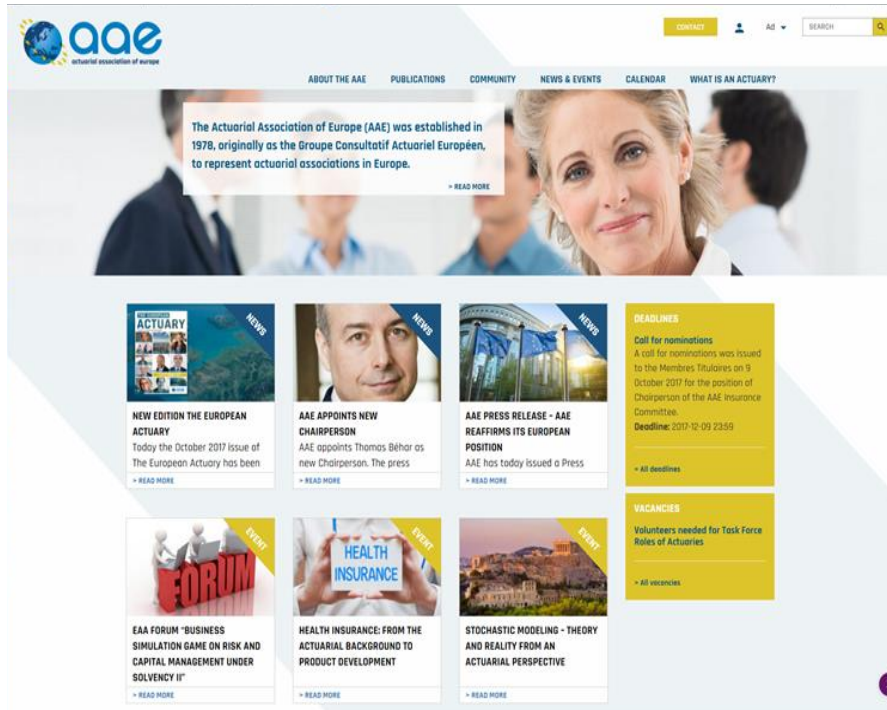
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\* See |

# EU Stakeholders



# Informing

## Website



The Actuarial Association of Europe (AAE) was established in 1978, originally as the Groupe Consultatif Actuariel Européen, to represent actuarial associations in Europe.

**NEWS**

- NEW EDITION THE EUROPEAN ACTUARY**  
Today the October 2017 issue of The European Actuary has been published.
- AAE APPOINTS NEW CHAIRPERSON**  
AAE appoints Thomas Balhar as new Chairperson. The press release has been issued.
- AAE PRESS RELEASE - AAE REAFFIRMS ITS EUROPEAN POSITION**  
AAE has today issued a Press Release.

**DEADLINES**

**Call for nominations**  
A call for nominations was issued to the Members (Articles on 9 October 2017 for the position of Chairperson of the AAE Insurance Committee.  
Deadline: 2017-12-09 23:59

**VACANCIES**

Volunteers needed for Task Force Roles of Actuaries

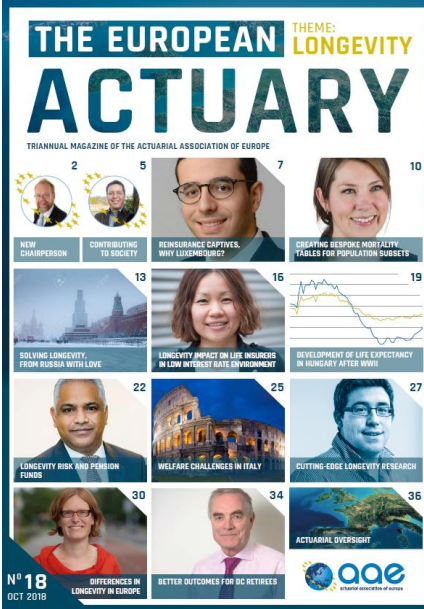
**EVENT**

- EAA FORUM "BUSINESS SIMULATION GAME ON RISK AND CAPITAL MANAGEMENT UNDER SOLVENCY II"**
- HEALTH INSURANCE: FROM THE ACTUARIAL BACKGROUND TO PRODUCT DEVELOPMENT**
- STOCHASTIC MODELING - THEORY AND REALITY FROM AN ACTUARIAL PERSPECTIVE**

## Publications



## Magazine



**THE EUROPEAN ACTUARY** THEME: LONGEVITY  
TRIANNIAL MAGAZINE OF THE ACTUARIAL ASSOCIATION OF EUROPE

- 2 NEW CHAIRPERSON
- 5 CONTRIBUTING TO SOCIETY
- 7 REINSURANCE CAPTIVES, WHY LONGEVITY?
- 10 CREATING RESPONDE MORTALITY TABLES FOR POPULATION SUBSETS
- 13 SOLVING LONGEVITY, FROM RUSSIA WITH LOVE
- 16 LONGEVITY IMPACT ON LIFE INSURERS IN LOW INTEREST RATE ENVIRONMENT
- 19 DEVELOPMENT OF LIFE EXPECTANCY IN HUNGARY AFTER 1990
- 22 LONGEVITY RISK AND PENSION FUNDS
- 25 WELFARE CHALLENGES IN ITALY
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**SAVE THE DATE**  
LISBON JUNE 6/7 2019



## Congress



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Belgium

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