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What is EAMBES



European Alliance of Medical and Biological Engineering and Science

federates most **scientific societies** and **academic** and **research** institutions located in **Europe** and involved with **Biomedical Engineering** or Medical and Biological Engineering and Science.

main objective: to **improve** the **health**, **wealth**, and **well being** of the citizens of Europe by the application of Medical and Biological Engineering and Science.

□ www.eambes.org

□ a no-profit international organization incorporated according to the Belgian law

EAMBES: who we are

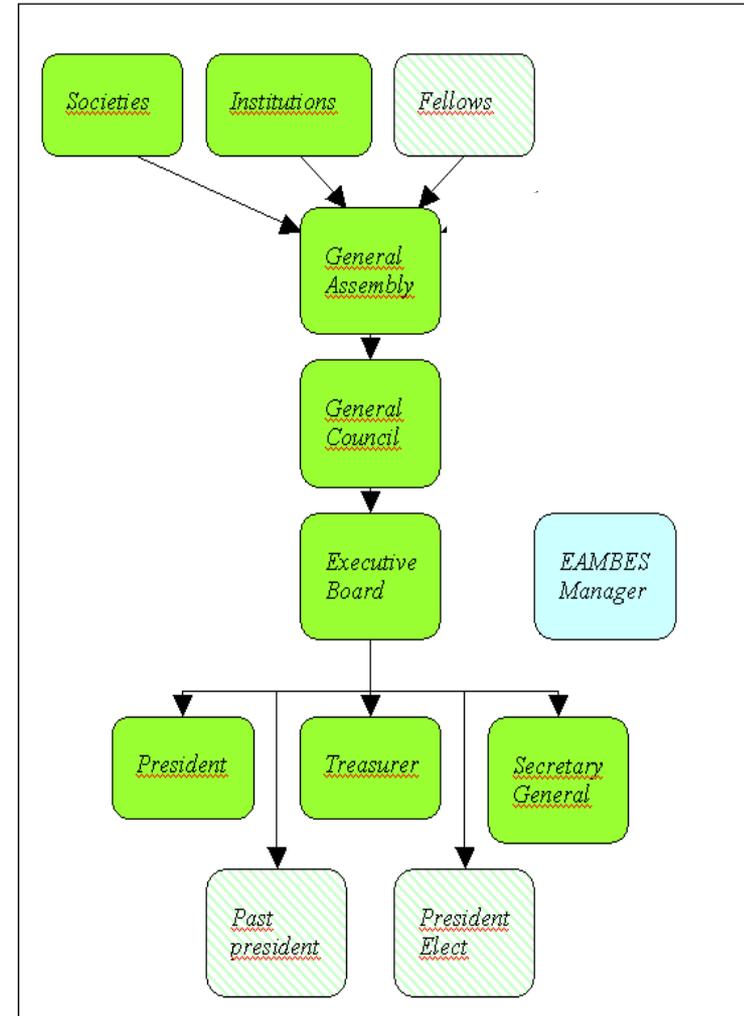
- ❑ **founded** in 2004
- ❑ now **represents** more than **8000** experts, researchers and professionals in the domain of Medical and Biological Engineering and Science
- ❑ **members:**
 - ↳ 24 National Societies
 - ↳ 5 Transnational Societies
 - ↳ 26 Academic Institutions
- ❑ **presumption:** in an area as wide and fragmented as Medical and Biological Engineering and Science, working together and **speaking with one voice** will benefit all of us

EAMBES Organisation

- ❑ structure based on three Divisions:
 - Societies
 - Academic Programmes and Research Institutes
 - Fellows (established 2012)

- ❑ Member Organisations constitute the General Assembly and elect the representatives to the General Council.

- ❑ the General Council elects the Executive Board (President, Past-President, President-Elect, Secretary and Treasurer)



EAMBES Executive Board 2015



President: Jari Hyttinen

Finnish Society for Medical Physics and Medical Engineering



Past President: Birgit Glasmacher

European Society for Artificial Organs



President-elect: Panayiotis Kyriacou

Institute of Physics and Engineering in Medicine



Secretary General: Andrei Linnenbank

*Netherlands' Society for Biophysics
and Biomedical Engineering*



Treasurer: Eleni Kaldoudi

*Greek Society for Biomedical Engineering (ELEVIT)
School of Medicine, Democritus University of Thrace*

EAMBES: Mission

- ❑ mission: to **improve** the health, wealth and well-being of the people by the application of Medical and Biological Engineering and Science

- ❑ aim: to **promote** Medical and Biological Engineering and Science in:
 - ↪ the creation of the European higher **education** area
 - ↪ the creation of the European **research** and **innovation** area
 - ↪ to **augment the area** of health technology in biology, medicine and healthcare

How do we work?



- web pages and monthly news letter mainly on European MBES related news
- meetings and conferences
- promotion opportunities related to MBES in European level
- Policy Affairs Working Group (PAWG) since 2009
 - meets monthly online
 - in partnership with *Rohde public consultancy*
 - **follows up and reacts to** legislation, initiatives, meetings and policy as well as promotion opportunities related to MBES

examples of past achievements



- 2005: **EAMBES position paper**. “Engineering for Health: A partner in the development of a knowledge-based society for the benefit of European healthcare”
- 2006: **EAMBES position paper**. “Recommendations of the European Alliance for Medical and Biological Engineering and Science for the 7th Framework Program of the European Commission”
- 2008: EAMBES endorsed **MBEC 2008** congress in Antwerp and organized **three Education Symposia**
- 2009: EAMBES recommendation to the Director of Directorate F - Health of DGRTD, for a call for proposals for a networking action entitled “**Technology in Health: a European Research Roadmap**”

examples of past achievements



- 2010: **EAMBES Position paper** for the **DGRTD HEALTH**: “Bridging technology with therapeutics for innovative therapeutics intervention”
- 2011: EAMBES contributes to the European Commission **Green Paper** "From Challenges to Opportunities: Towards a Common Strategic Framework for EU Research and Innovation funding"
- 2012: establishment of a **Fellow division**. Elected 35 fellows (more information on www.eambes.org/fellows)
- 2012: Symposium on “**The European Potential in Engineering for Health**”

past *Policy* achievements

- 2012, European Parliament :“**Expert Policy Workshop on Biomedical Engineering**” hosted by the Dr. Thomas Ulmer MEP
 - ⇒ **The outcome of the workshop was strong and clear: Biomedical Engineering needs a formal recognition at EU level so to receive an adequate support**
- “Biomedical Engineering” mentioned in draft version of the **2013 FP7 Health Work Programme**
- formal submission of **amendments** to explicitly introduce MBES in the future **Horizon 2020 documents**

PAWG Activities 2014



PAWG led by Prof Jari Hyttinen, Councillor of Public Affairs

- discussion and analysis of policy and legislation with potential impact to EAMBES members;
- preparation of EAMBES seminar at European Parliament;
- analysis of Medical Devices Proposal;
- updates on Horizon 2020 status;
- building EAMBES BME narrative for stakeholders
- responses to consultations;

2014-5 EAMBES PAWG responses to consultations



- Responding to Commission consultations on mHealth
- Science 2.0: science in transition
- Comments on: Horizon 2020 Advisory group for Health, demographic change and wellbeing (E02942)
http://ec.europa.eu/research/horizon2020/index_en.cfm
- Response to ***European Economic and Social Committee on: “Promoting the European single market combining biomedical engineering with the medical and care services industry”***
 - **Preparation of BME introduction slides**
 - **Secretary General of EAMBES Andrei Linnenbank gave presentation on BME issues in February 2015**
 - **Amendments to the EESC opinion paper that will be distributed to parliament and commission**

Medical Devices Regulation analysis

(EAMBES Council and PAWG member Michael Imhoff)



- analysis of changes
- identification of threats/opportunities presented
- early identification of what the new legislative framework will look like
- preparation of the position paper of EAMBES

next activities of EAMBES PAWG

led by Councilor for Policy Affairs, Leandro Pecchia



- identification of new opportunities for BME profiling in Horizon 2020, and EU policy and/or legislation
- positioning EAMBES as a partner for the EU Institutions on ongoing debates at EU level: identification and participation of possible related legislative processes (Rohde)
- plan event at Brussel Parliament
 - partnership with European Economic and Social Committee (EESC)
 - collaboration with Clinical Societies

Aim:

- show BME as key enabling factor in healthcare processes & services
- rise the profile of BME as an independent area of science
- rise EAMBES profile
- positioning EAMBES as a partner for EU Institutions on ongoing debates

Message* of EMABES and EESC: BME is a discipline in it's own right



- (EESC) 1.14 *Europe should follow the US example and recognize the discipline as a stand-alone science. This would also help to foster the international competitiveness of European companies.*
- (EESC) 2.4 *Although the discipline of biomedical engineering was recognized in 1998 by the 4th Framework Programme for Research and Innovation, current EU policy in this area is fragmented. Biomedical engineering in the United States is treated as a separate discipline, with distinct methodological and analytical techniques.*
- * *European Economic and Social Committee report on BME and care services (draft, march 2015)*

message

“Biomedical Engineering
is not a subset of modern medicine;

modern medicine
is the product of biomedical engineering”

interested in following our activities?



- visit our **website**: www.eambes.org
- register to our monthly **newsletter**:
http://www.eambes.org/subscribe_newsletter
- come to our **General Assembly**:
March 2016, Brussels
- participate the PAWG activity,
 - contact councillor of public affairs

A screenshot of the EAMBES website homepage. The header features the EAMBES logo and the mission statement: "The mission of EAMBES is to improve the health, wealth and well-being of the people by the application of medical and biological engineering and sciences." Below the header is a navigation menu with links: "About EAMBES", "Governance", "Membership", "Fellows", "Documents", "News", "Events", "Education and Training". The main content area has a large banner image with a blue and orange color scheme, overlaid with technical data and a brain scan. Below the banner is a "Welcome to European Alliance for Medical and Biological Engineering & Science" message. The page is divided into three columns: "News" with a list of recent updates, "Events" with a list of upcoming conferences and meetings, and "Login" with a form for username and password, and links for "New User?", "Contact Us", and "Newsletter".

Thank you!!!