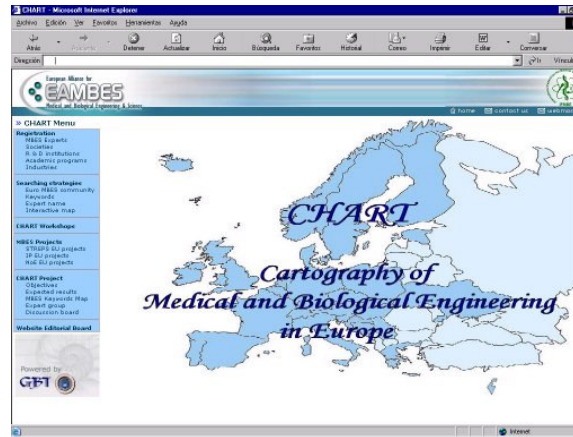


MBES Keywords Map

- Artificial Organs
- Biochemical Engineering
- Bioethics
- Bioinformatics
- Biomaterials
- Biomeasurements
- Biomechanics
- Biomedical Engineering Education
- Biomedical Imaging
- Biomedical Sensors
- Biosignal Processing
- Cardiovascular Engineering
- Cellular and Molecular Engineering
- Clinical Engineering
- Computer & Information Medical Systems
- Healthcare Management
- Imaging Modalities
- Medical Image Processing
- Medical Instrumentation
- Medical Specialities
- Modelling of Physiological and Biological Systems
- Neural Engineering
- Neuroinformatics
- Orthopaedic Engineering
- Prosthetic devices / Prosthetics
- Pulmonary Engineering
- Rehabilitation engineering
- Surgical Techniques
- Tissue Engineering



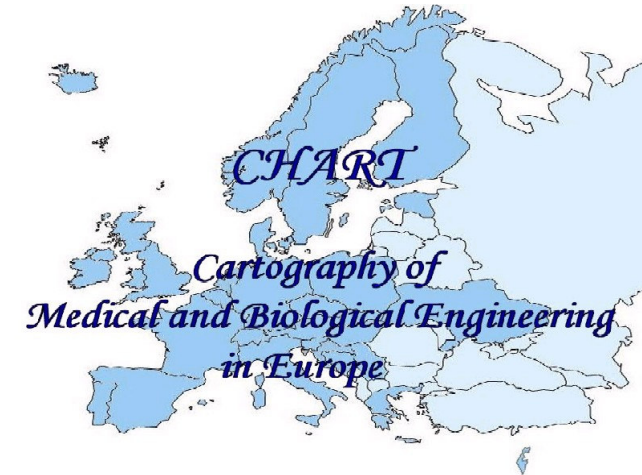
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www.eambes.org

Objectives

The objectives of the CHART project are:

- To structure the medical and biological engineering and sciences (MBES) research sector in Europe in accordance with the philosophy of the European Research Area (ERA).
- To develop tools for co-ordinating European BME related RTD.
- To prepare for the future challenges as outlined in the ERA documents concerning technologies for health, notably in relation with problems in the ageing population, handicapped persons, infectious, degenerative and chronic diseases, genome research and neurosciences.

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Expected results

The structuring of this research sector in Europe is expected to mobilise the European MBES community for the European Research Area initiative. This will lead to the creation of more functional networks in selected MBES domains, the reaching of the "critical mass" and also to the stimulation of innovation and entrepreneurship and the transfer of results from research and academia to industry for further exploitation.

The results are characterised by the following:

- Identify emerging important fields of scientific research and RTD in MBES.
- Build and create an infrastructure of universities, research organisations and industries that are able and willing to engage in scientific research and RTD in the emerging areas of MBES.
- Support the competitiveness and development of European industries in these fields.
- Create and maintain a list of MBES resources and leading scientists and experts in the field of MBES.
- Create awareness on the impact of MBES for health (care), industry and society at large.
- Active dissemination of the results through a web site.
- Strengthen the bridges to International research activities in these fields.



Registration

CHART is conceived as a web-based system accessible by a variety of users categories, each one using a particular functionality of the system. Five categories of users are identified within the CHART system:

- *BMES experts*
- *National and European societies*
- *Academic programs*
- *R&D institutions*
- *Industries*

CHART website offers users the possibility of introducing their data using registration forms, which include personal or collective data, according to a MBES Keywords Map.

Societies registration		
Nature of Society:		
National: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	European: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Member of IFMBE: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
All members involved in MBES: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Number of members involved in MBES: <input type="text"/>		
Interests and Activities of Society:		
Broad scientific and professional: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Active in Education: <input type="checkbox"/> Provision <input type="checkbox"/> Organisation <input type="checkbox"/> Accreditation <input checked="" type="checkbox"/> None		
Active in Training: <input type="checkbox"/> Provision <input type="checkbox"/> Organisation <input type="checkbox"/> Accreditation <input checked="" type="checkbox"/> None		
Does the society publish?		
<input type="checkbox"/> Journal(s): <input type="text"/>	<input type="checkbox"/> Newsletter	<input type="checkbox"/> Position Papers
Others: <input type="text"/>		
Promotion of BMES. Does the Society interact with (please give details):		
<input type="checkbox"/> Government organizations: <input type="text"/>	<input type="checkbox"/> The European Commission: <input type="text"/>	<input type="checkbox"/> Regulatory organisations: <input type="text"/>

Searching

The CHART website includes a search functionality which may use names, countries or keywords as keys to find members of the European MBES community.

Moreover, there is a graphical map, to obtain a MBES cartography in any European country.