

**EuCheMS General Assembly
Toruń - Poland
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ECTN: A SUSTAINABLE FUTURE FOR CHEMISTRY EDUCATION IN EUROPE



Francesco De Angelis – ECTN President
University of l'Aquila – Italy
Dept. of Physical and Chemical Sciences

European Chemistry Thematic Network

www.ectn-assoc.cpe.fr



President

Administrative Council

- Vice President: Otilia Mò
- Past President: Evangelia Varella

- Members: - Gabriella Borzone
 - Leo Gros
 - Artur Michalak
 - Christiane Reiners
 - Marjan Veber (Treasurer)

- Advisors: - Terence Mitchell
 - Philip Taylor
 - Richard Whewell

- General Secretary: Antony Smith

Term 2013 - 2015



ECTN background

- ECTN exists as an international non-profit association under Belgian law, established in 2002.
- ECTN comprises 120 institutional members, including higher education institutions and national chemical societies, from 31 European countries plus 8 worldwide.
- It was founded to give continuity to and to implement programmes of skills and knowledge in chemistry primarily, in science in general and in chemical engineering, pioneered and developed by six (three-years each) European network activities, spanning from 1996 until 2015, funded by the EC (Lifelong Learning Programmes).
- The current project (European Chemistry and Chemical Engineering Education Network-2) "Chemistry and Engineering Skills for Europe in 2020", will close its activity in September 2015.



ECTN: identity and vision

from the «*new Statutes*»

approved at the last ECTN GA (Madrid – April 2014)

- Implementing programmes for the assessment of skills and knowledge in Chemistry.
- Undertaking programmes on education and training, with innovative approaches.
- Fostering internationalisation of education programmes.
- Pursuing programmes for exchange of teachers and students.
- Providing certification of achievement at various levels of competences in chemistry.
- Providing the chemical community with printed and electronic publications and dissemination media in higher education.
- Setting, monitoring, validating quality standards/goals in higher education in chemistry.
- Cooperating with established European associations in the furtherance of its objectives.
- Extending the reach of all aspects of education in Chemistry beyond national borders.



ECTN, by means of the Standing Committee VEC

“Virtual Education Community” – Chair: Antonio Laganà

provides certification of achievement at various levels of competences in chemistry by printed and electronic means, and also provides the chemical community with printed and electronic publications and dissemination media in higher education.

The “ECTN Newsletter” (<http://www.ec2e2n.info>) is published regularly.

ECTN, by means of the Standing Committee LC

“Label Committee” – Chair: Reiner Salzer

sets, monitors and renews quality goals in higher education in chemistry, assesses quality standards and provides quality accreditation of higher education courses to individual institutions.



“EChemTest” the European Chemistry Tests

A multi-lingual series of tests available on Internet, that can be used for certification/validation of competence in chemistry at various levels. Associated e-learning facilities have been produced for

Students

seeking European academic exchanges
seeking self-evaluation

Professionals

seeking for career development and Industrial mobility

Anybody

interested in self-evaluating his/her knowledge in
Chemistry



<http://ectn-assoc.cpe.fr/echemtest/>



The Chemistry Quality Eurolabels® Eurobachelor®, Euromaster®, Eurodoctorate Labels*

The Bologna process requires universities in Europe to develop easily readable, comparable and compatible degrees.

Institutions can apply for Eurolabel®

which will be awarded for a period of 5-7 years in the first instance, with a possibility of renewal for further terms.

Eurolabels® are intended to promote international recognition

of the degree qualification and to document the willingness of the Institution to participate fully in the European Higher Education Area.

Awarded Institutions agree to recognise Bachelor and Master degrees

awarded by other Institutions holding the Chemistry Eurolabels®, thus providing right of access (but not admission) to their degree programmes.

<http://ectn-assoc.cpe.fr/chemistry-eurolabels/>

* *Accreditation bodies:* **ECTN** and its partners, **ASIIN** (Germany), Società Chimica Italiana (**SCI** / Italy), Uniwersytecka Komisja Akredytacyjna (**UKA** / Poland); up to now almost 100 labels awarded.



Key partnerships/actions

EuCheMS*

- European Employment Survey
- Joint response to the EU public consultation on a «European area of skills and qualifications»
- Strong relationships with the EuCheMS Division of Chemistry Education

IUPAC

- Strong relationships with the Committee on Chemistry Education

JRC (IRMM)*

- Event on employability related issues
- Summer Schools in cultural heritage, analytical chemistry, health, food safety, environmental

COST

- Facilitating networking and coordination among researchers in Europe

* Memorandum of Understanding between EuCheMS, ECTN and the MSC Consortium on “**Euromaster Measurement Science in Chemistry Summer Schools**”