



QM-Reloaded: Interlinking Internal and External Quality Assurance at Higher Education Institutions

**ASIIN-Jahrestagung Stuttgart,
13. December 2013**

Dr. Iring Wasser

- **Welcome by Prof. Lieber, member of the ASIIN board of directors**
- **Welcome by Iring Wasser, Managing Director ASIIN**
- **Moderation**
- **Logistics: Information package (including participants lists); presentations will be posted on the ASIIN website.**
- **Translation is provided by Fr. Sölch and colleagues, Technik PCS**
- **Coffee Break: 03.15 for 45 minutes; Conclusion of the first day at 05.30 p.m., Dinner will be served at 07.00 p.m. in the hotel premises**
- **Contact persons**

Contact persons: blue name tags



Dr. Iring Wasser
Managing Director



Birgit Hanny, M.A., MBA
Vice Managing Director



Dr. Thomas Kiefer
Organisational Manager/Event Manager



Juliana Fleischmann, M.A.
Organisational Assistant



Dipl.-Kulturw. Jana Möhren
Head of International Office



Dr. Georg Ebertshäuser
Programme Manager/Project Manager



Ass. Iur. Melanie Gruner
Programme Manager/Project Manager



Johanna Höderath, M.A.
Programme Manager/Project Manager



Marie-Isabel Zirpel, M.A.
Programme Manager/Project Manager

Chairmen of ASIIN bodies:



Dr. Martin Molzahn,
former BASF,
Chairmen of the Accreditation Commission for Degree Programmes



Prof. Dr.-Ing. habil. Günter H. Hertel,
Ingenieurbüro Hertel (IBH), Chairmen of the Accreditation Commission for Quality Management Systems



Prof. Dr. Norbert Grünwald,
Hochschule Wismar, Chairmen of the Certification Committee

- **Welcome of the Participants and Speakers**
- **ASIIN in a nutshell: distinguishing features and shared values**
- **The Road ahead/Strategic Goals**
- **Introduction into the Conference programme**

- **Member Organizations of ASIIN**
- **Members of ASIIN bodies (AC, Technical Committees)**
- **Representatives of German Associations of Faculties (in Engineering, General): Prof. Hampe (4ING); Prof. Braun (board member of the AFT); Prof. Schinke, president of the KFBT, HRK**
- **HEI representatives from Russia, France, the three Baltic Countries, Spain, Saudi Arabia as well as Indonesia (in place of all : Dr. Ichsan, Dr. Pepen, Dr. Fauzi ITB, Nadezhda Kazadaeva, Don State University, representing the Russian Bologna Club)**

Shared values: The quality stakeholder alliance of ASIIN e.V.

Coordination Group of Technical Universities

Respective deans' conferences/association of faculties

Coordination Group of Universities of Applied Sciences

Respective deans' conferences

An alliance anchoring in the scientific community as well as in industry (universities, professional organizations, scientific societies,



chambers, trade unions, employers' federations) are working together for quality assurance and improvement in higher education

Technical and Scientific Associations, Professional Organizations, Chambers

Student organizations

Employer's Federations, Trade Unions, Industry Associations

Shared values: equal representation as an organizational principle (the example of the board of directors)

Universities (AVI)



Prof. Dr.-Ing. Gerhard Müller
Technische Universität München



Prof. Dr.-Ing. Jörg Steinbach
Technische Universität Berlin



Prof. Dr.-Ing. Wolfram Ressel
Universität Stuttgart

Universities of Applied Sciences



Prof. Dr.-Ing. Winfried Lieber
Hochschule Offenburg



Prof. Dr.-Ing. Reinhard Thümer
Technische Fachhochschule Berlin



Prof. Dr.-Ing. Günter Schmidt-Gönner
Hochschule für Technik und Wirtschaft des Saarlandes

Industry/Social Partners



Prof. Dr. rer. nat. Michael Dröscher
Evonik Degussa GmbH



Dipl.-Ing. Alfred Eibl
Infineon Technologies AG



Dipl.-Päd. Wolfgang Gollub
Arbeitgeberverband Gesamtmetall

Techn. Naturwiss. Vereine



Dr.-Ing. Sascha Hermann
VDI, Verein Deutscher Ingenieure



Prof. Dr. rer. nat. Gerd Ulrich Nienhaus
DPG, Deutsche Physikalische Gesellschaft



Prof. Dr.-Ing. Helmut Klaus
VDE Verband der Elektrotechnik Elektronik Informationstechnik e. V.

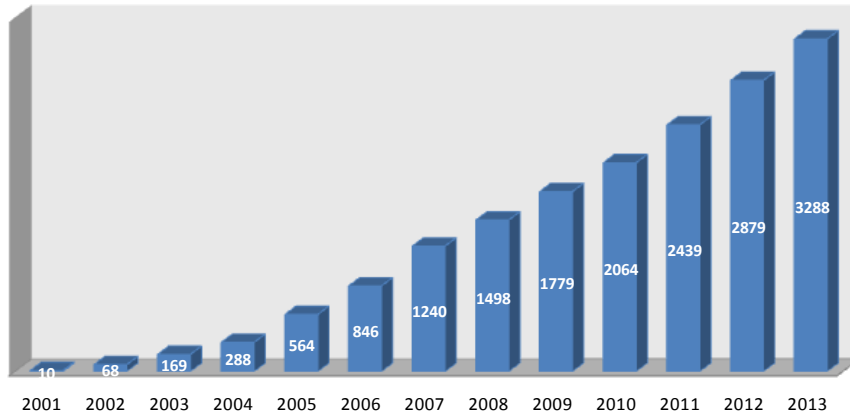
Our membership gives us leverage, ASIIN's voice is heard in the political realm.



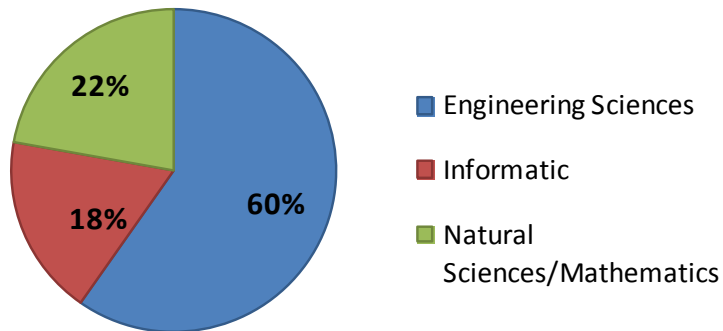
Shared values: ASIIN is building a strong tradition as a field specific quality assurance agency with high quality standards

- ASIIN is the leading accreditation agency in Germany in its disciplines and the only disciplinary accreditation agency on a global scale which covers all MINT areas
- ASIIN is the only German agency since its inception to deliver its own quality seals; in cooperation with our constituents we have developed a strong “claim” for our different quality seals.
- ASIIN has a three step quality assurance process working with a pool of highly qualified and trained **peers** (level 1), **its 13 technical committees** (level 2) and its **accreditation commission** (level 3); a system of checks/balances is in place to guarantee optimal outputs;
- ASIIN has developed **learning outcomes/competence profiles for all its disciplines** in cooperation with its stakeholders; in many instances they have become the basis for European learning outcomes schemes/corresponding European QA systems; ASIIN champions the importance of LO **as a tool for academic and professional mobility.**

Accredited degree programmes:



Subjects of accreditation activities:



ASIIN-Claim:

Das ASIIN-Fachsiegel zeichnet einen Studiengang aus, der die Anforderungen von Wissenschaft und Berufspraxis der beteiligten Disziplinen auf hohem Niveau erfüllt. Es dokumentiert zugleich, dass gesicherte Rahmenbedingungen für gute Lehre und erfolgreiches Lernen gegeben sind. Die Vergabe des Siegels beruht auf anerkannten lernergebnisorientierten Fachstandards im Einklang mit dem europäischen Qualifikationsrahmen und den „European Standards and Guidelines“.

Quelle: Vorstandsprotokoll der Sitzung 16-5-2013

Accreditation requirements and procedural principles

For evaluating a study program, ASIIN applies documented criteria and standards that have to be taken into account when a study program is designed.

Sources:

- National Qualification frameworks as well as National laws and acts
- Educational standards for altogether 13 disciplines developed jointly by HEI, deans conferences, practitioners and employers in Germany
- Expectancies and standards for the university education agreed upon in international networks (e.g. tuning) and aligned with International Qualification Frameworks

General Requirements and Procedural Principles

...committing all fields of engineering,
informatics and natural sciences



Subject Specific Supplementary Notes

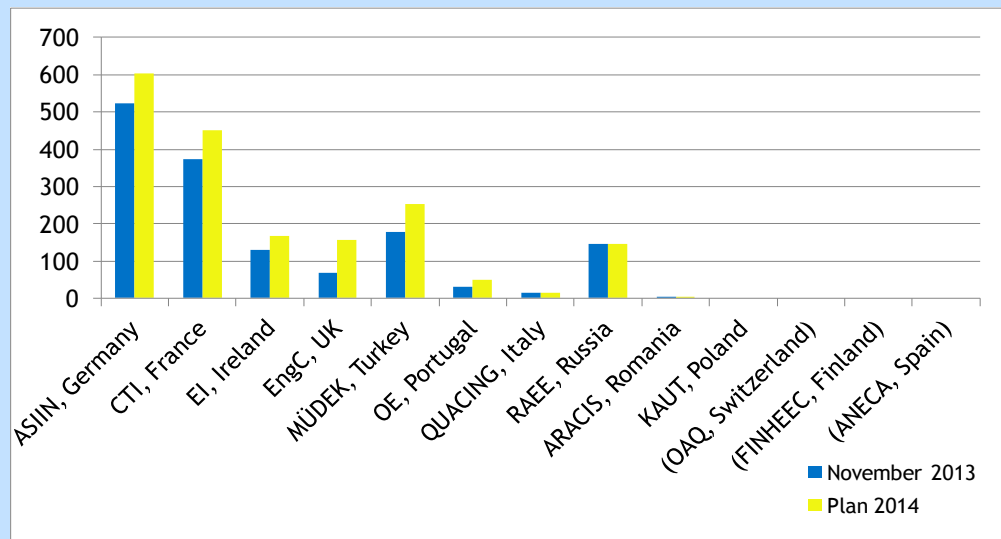
...framework of references that allows
reasonable divergences

ASIIN as leading partner in developing pan-European LO schemes (I)

ASIIN recognized this as a specialized agency in a early stage:

With the replacement of the framework regulations, it develops together with its stakeholders our so-called Subject Specific Supplementary notes and complementary European competence profiles.

- TC 01 (Mechanical Engineering/Process Engineering)
- TC 02 (Electrical Engineering/Information Technology)
- TC 03 (Civil Engineering, Surveying and Architecture)
- TC 05 (Physical Technologies, Materials and Processes)
- TC 06 (Industrial Engineering)



More than 1600 European engineering programs are accredited with a EUR-ACE label.

The connection between ASIIN Programme Accreditation and European quality seals




Accreditation Certificate

The Accreditation Agency for Degree Programmes in Engineering, Informatics, Natural Sciences and Mathematics e. V. (ASIIN) has accredited the

**Master's Degree Programme
"Master of Engineering (Mechanical)"**

at the request of
**University of Melbourne
School of Engineering**
with the seal of ASIIN e.V.

Accreditation was issued on on 28 June 2011 by decision of the ASIIN Accreditation Commission for Degree Programmes and is valid until 30 September 2016.

Upon successful completion of the programme, University of Melbourne awards the degree of "Master of Engineering".

25 July 2011



Dr.-Ing. Martin Molzahn
Chairman of the Accreditation Commission for Degree Programmes



Dr. Iring Wasser
Managing Director



Prof. Dr. Jürgen Grotemeyer
Chairman of the Accreditation Commission for Degree Programmes

ASIIN was admitted into the European Quality Assurance Register for Higher Education (EQAR) on 10 April 2009. EQAR lists agencies which substantially comply with the European Standards and Guidelines (ESG). The admittance confirms the implementation of the ESG by ASIIN.



EUR-ACE® Master

This is to certify that the engineering degree programme

Master of Engineering (Mechanical)

provided by
University of Melbourne
School of Engineering

accredited by
ASIIN e.V.

on 28 June 2011 until 30 September 2016

satisfies the criteria for Master degree programmes specified in the
EUR-ACE® Framework Standards for the Accreditation of Engineering
Programmes, and therefore for the above period of accreditation is
designated as a

EUROPEAN-ACCREDITED ENGINEERING MASTER DEGREE PROGRAMME.

c e r t i f i c a t e



For the European
Network for Accreditation
of Engineering Education
(ENAE)

The President
Dr. Iring Wasser



Brussels, 25 July 2011



For ASIIN

The Chairman of the
Accreditation Commission
Dr.-Ing. Martin Molzahn

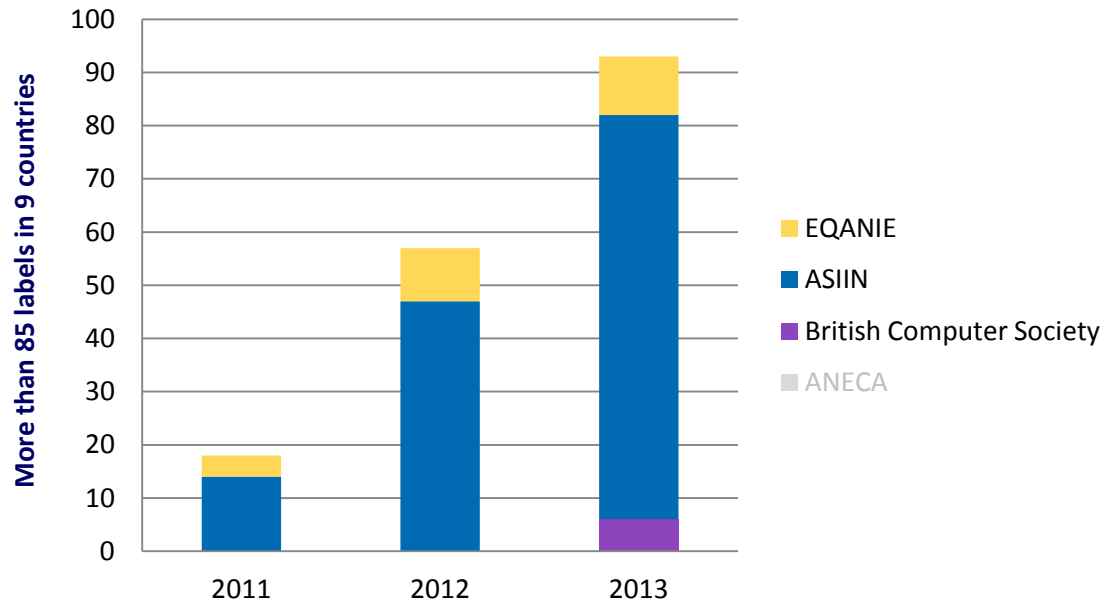
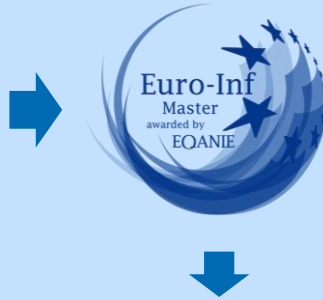


Düsseldorf, 25 July 2011

A graduate of this programme may define him/herself "EUR-ACE® Bachelor/Master" as appropriate.

ASIIN takes a lead in developing pan-European LO schemes (II)

- TC 04 (Informatics/Computer Science)
- TC 07 (Business Informatics/Information Systems)

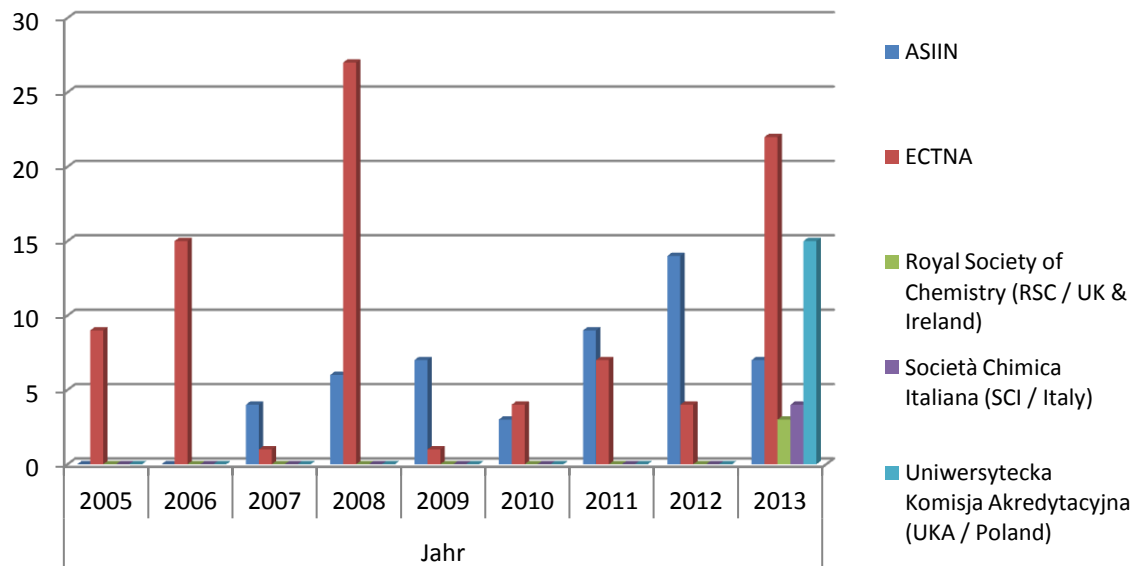


ASIIN takes a lead in developing pan-European LO schemes (III)

- TC 09 (Chemistry)
- TC 10 (Life Sciences)
- TC 11 (Geosciences)
- TC 12 (Mathematics)
- TC 13 (Physics)



ASIIN is the only field specific agency which is offering the entire range of accreditation of all MINT-areas.



Shared values: learning outcomes are an important engine for academic and professional mobility

This shared value is also reflected in the development of the **Bologna-Process** since 1999 which can be characterized by two phases:

In the **first decade between 1999-2010** the Bologna process is characterized by structural elements such as the introduction of a three-cycle study system, the European Credit Transfer Systems, the Diploma Supplements etc.. On the level of European QA-instruments the development of the European Standards and Guidelines as well as the introduction of the EQAR are and continue to be of prime importance. The generic Dublin Descriptors are the underlying foundation of the European Qualification Framework.

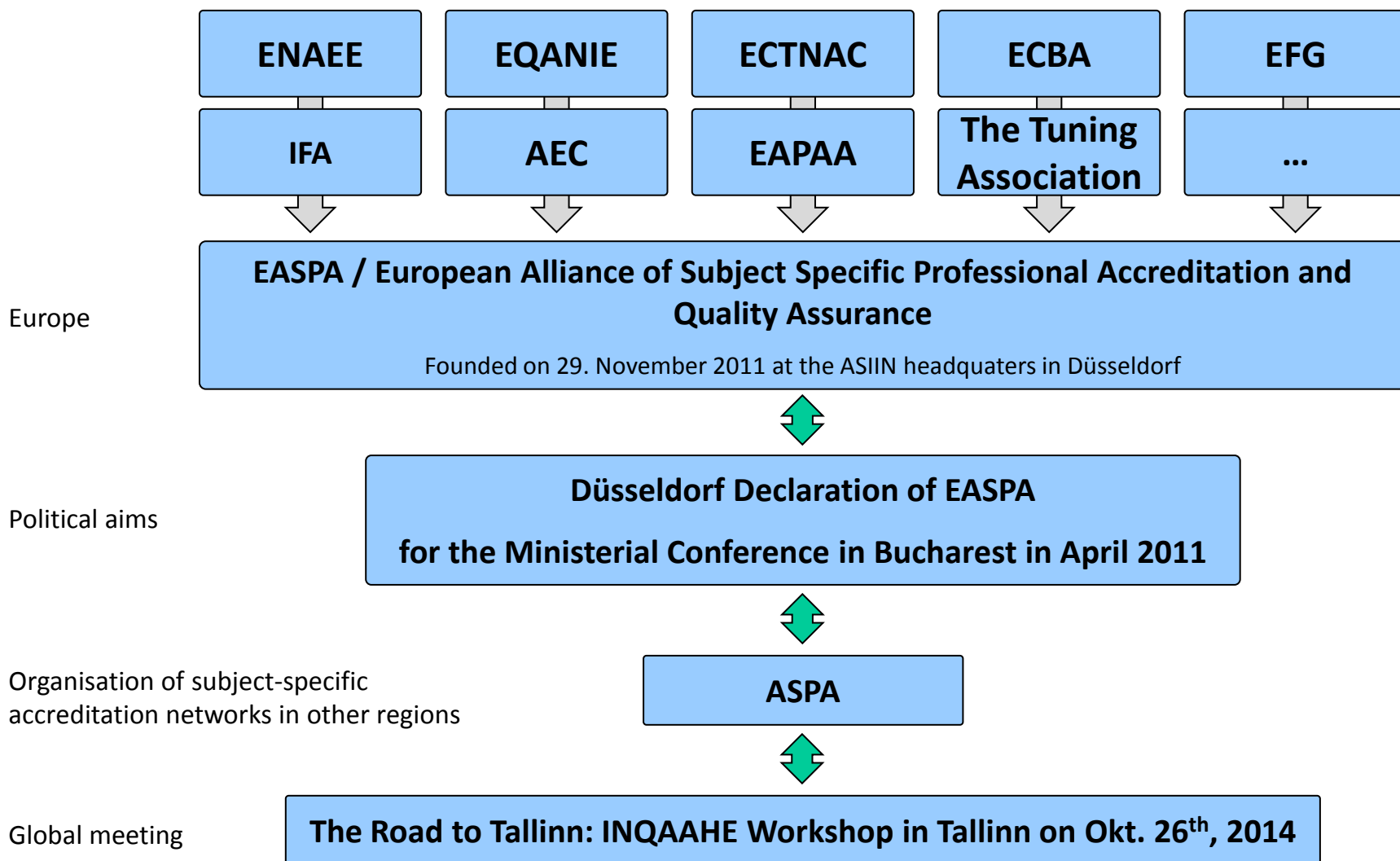
Until 2020 the European Higher Education Area relies more and more on content related elements such as the development of European learning outcomes, competence profiles and (cross-)national qualification frameworks (including an integration of the Bologna with the Copenhagen framework). Building on the tuning activities subject specific European QA networks **are contributing to academic and professional mobility in the EHEA**

The Leuven Communiqué in 2009:

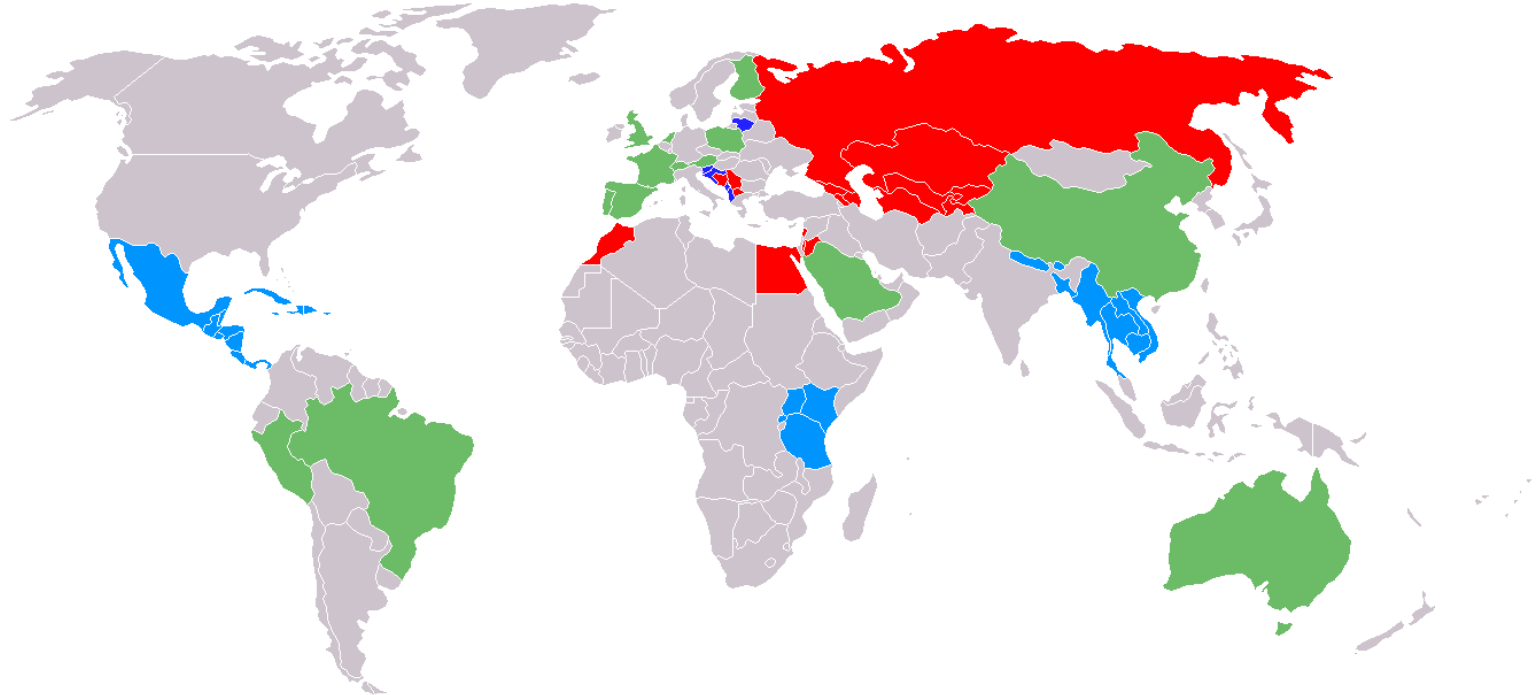
“We reassert the importance of the teaching mission of higher education institutions and the necessity for ongoing curricular reform geared toward the development of learning outcomes... Academics in close cooperation with student and employer representatives, will continue **to develop learning outcomes and international reference points for a growing number of subject areas...**”

“It is arguably that the main end product of the Bologna reforms is better qualifications based on learning outcomes and certainly not just new educational structures. For this sort of bottom-up reform it is recognised that there is a need for fundamental changes at the institutional level where academics are responsible for creating and maintaining qualifications”. (Stephan Adam, UK Bologna Promoter)

New European developments in subject specific QA



Shared Values: ASIIN provides a platform for national as well as international QA



- ASIIN-Participation in DAAD-projects in QA system development
- Tempus-projects (e.g.: PICQA: Promoting Internationalization and Comparability of Quality Assurance in Caucasus area)
- ASIIN-experts participation in QA procedures (z.B.: Slovenia, Montenegro, Lithuania, Croatia)
- ASIIN accreditations in third countries

The acceptance of our higher education standards and the trust in our Quality culture contributes to foreign demand and fosters international collaboration

- **Strengthening the functions of the honorary office (recruitment of peers, committee members remains challenge); working together with members and allies in our contribution to safeguarding quality of teaching and learning and interlinking internal and external QA procedures in a meaningful way**
- **Further focus on die “Fachlichkeit/content” on our accreditation procedures: ASIIN criteria and procedures are being revised, methods sharpened (PDCA cycle is key, triangulation, evidence based)**
- **Customer satisfaction is our priority; efficiency of procedures need to be improved without compromising independent decision making (one accreditation procedure x quality seals)**
- **Defining the added value of an accreditation in its different dimension (recognition of degrees, academic mobility, professional mobility, rankings)**

Overarching topic: Interlinking Internal and External Quality Assurance in Higher Education

Current challenges for quality in higher education/challenges for quality in teaching and learning

-Challenges to European Higher Education (**Karine Tremblay**, Senior Directorate for Education and Skills, OECD)

-Second Progress Report in HE Quality Assurance and what it means for European HEI (**Margie Waters**, Deputy Head of the Directorate General for Education and Culture)

- Different stakeholder inputs

•The view of **professional practice** (**Stefan Küpper**, Managing Director Südwestmetall)

•The **student perspective** (**Christoph Heine**, HIS, Arbeitsbereichsleiter Studienrendenforschung)

•The view of the **engineering and computer sciences communities** (**Manfred Hampe**, President 4 Ing)

•The view from the **mathematics and natural sciences communities** (**Volker Bach**, VP of the German Mathematical Society)

Connected internal and external quality assurance for HE

**-Connected internal and external assessment in HE: which mixture is the smart one?
(workshop 1)**

**-ASIIN's answer to diverse quality needs: connecting accreditation, certification
evaluation on the system-/institutional-, programme and course level.**