The Pan-European Quality Assurance Networks of ASIIN and their role for the International Recognition of Mongolian Study Programs/Academic and Professional Qualifications of Mongolian Graduates

MUST-ASIIN Conference on International Accreditation for Science, Informatics, And Engineering Study Programs At Mongolian HEIs

MUST, Ulan Bator 26-28.01.2015

International Recognition of Educational Qualifications: Different Dimensions

Primary goals of international recognition of educational qualifications are

- to foster ***horizontal as well as vertical academic (international) mobility*** of students, graduates, researches, teaching staff between and within different cycles (Bachelor, Master, Ph.D)
- to promote ***cross-border professional mobility both for unregulated and well as regulated professions*** (in the latter case licensing of professional engineering practice in different jurisdictions plays an important role in some parts of the world).
- create trust for the development of all kinds of collaborative projects (academic agreements, joint degrees etc.)

All this under an unprecedented migration of skilled students/work force in a globalized society and constantly changing modes of educational delivery

Impediments for Academic and Professional Mobility (in Europe and the ASEAN region alike)

- Europe is characterized by many different educational systems, currently there are 47 members of the European Higher Education Area alone. Because of the diversity of both degrees and institutions, public knowledge about their quality is not sufficient across national border. This is matched by a great variety of national QA/Accreditation systems.

- The rapid development of the private education sector, the phenomenon of trans-national education with a lack of regulatory codes as well as new modes of educational delivery (MOOCS latest trend) are part of an ever more diversified international landscape with a need for orientation.

- In some countries the academic degree constitutes the automatic admission ticket to the job market; in others additional prerequisites are demanded to acquire professional status (e.g. registered engineer)

Impediments for Mobility – the ever increasing variety of Academic Titles

Akademiingeniør
Bachelor of Arts
Bachelor of Engineering
Bachelor of Science
Civilingeniør
Civilingenjör
Diplom-Ingenieur
Diplom-Ingenieur ETH
Diplom-Ingenieur (FH)
Diplomi-Insinöör
Diplomirani Inženir
Doktor-Ingenieur
Dottore in Ingegneria

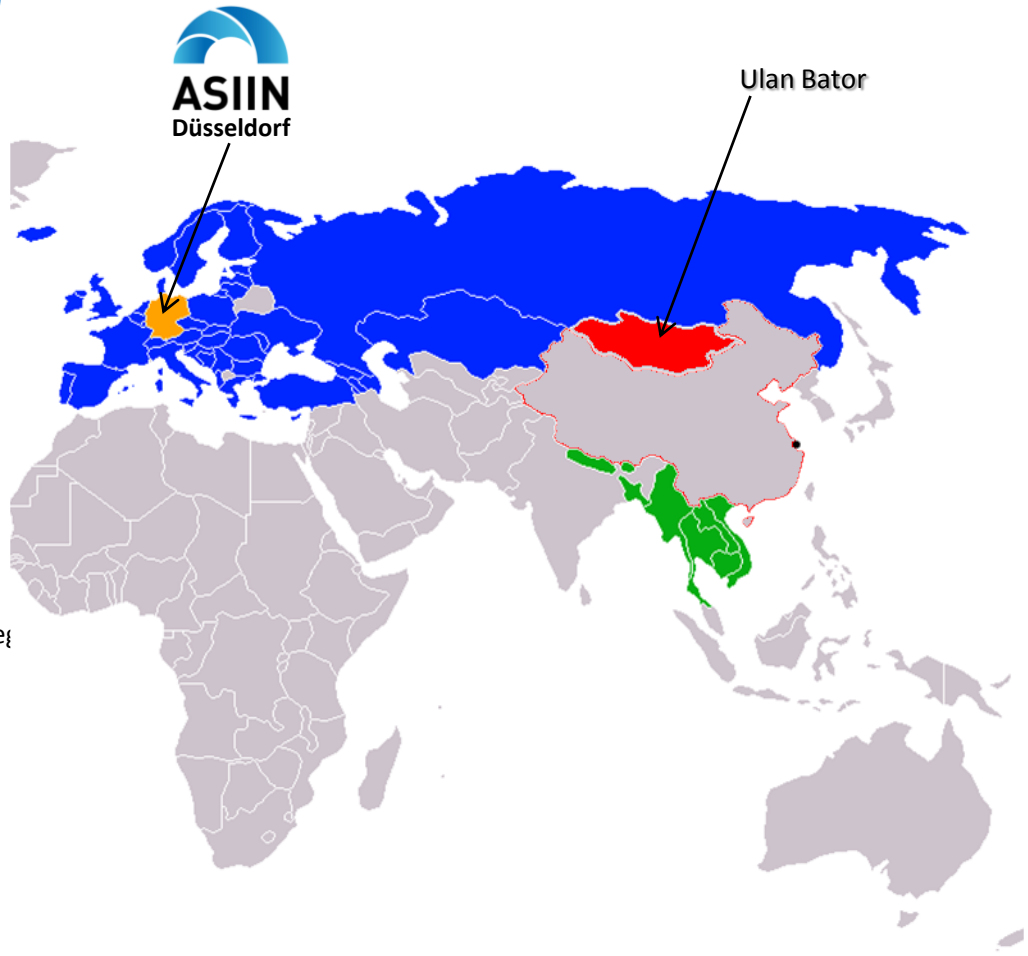
Engenheiro
Europa-Ingenieur
Ingenieur (grad.)
Ingeniør
Inginer
Insinööri
Ingeniero Químico
Ingeniero Superior
Ingeniero Técnico
Ingénieur civil
Ingénieur diplomé
Ingénieur industriel
Ingénieur technicien

Inženyr
Inžinier
Inżynier
Magister Inżynier
Master of Arts
Master of Engineering
Master of Science
Okleveles mérnök
Okleveles üzemmérnök
Sivilingeniør
Teknikfræðingur
Teknikumingeniør
Verkfræðingur

ASIIN within the European Higher Education Area

*47 Signatory States (*since 2005)*

Albania	Kazakhstan
Andorra	Latvia
*Armenia	Liechtenstein
*Azerbaijan	Lithuania
Austria	Luxembourg
Belgium	Malta
Bosnia - Herzegovina	FYR of Macedonia
Bulgaria	*Moldova
Croatia	Netherlands
Cyprus	Norway
Czech Republic	Poland
Denmark	Portugal
Estonia	Romania
Finland	Russia
France	Serbia and Montenegro
*Georgia	Slovak Republic
Germany	Slovenia
Greece	Spain
Holy See	Sweden
Hungary	Switzerland
Iceland	Turkey
Ireland	*Ukraine
Italy	United Kingdom



Paris 1998

Bologna 1999

Prague 2001

Berlin 2003

Bergen 2005

London 2007

Leuven 2009

Wien 2010

Bukarest 2012

XXXXX 20xx

XXXXX 20xx

Political Context of QA in Europe I

Completion of the European Higher Education Area until 2010, in which citizens can choose from a wide and transparent order of high qu

Promotion of comparability and compatibility of degrees:

Two cycle study system, ECTS, adoption of a system ploma es her

Academic Mobility

The new magic words: European learning outcomes/competence profiles, Qualification Fameworks

Accreditation/Transnational cooperation in Quality Assurance

Goals of establishment, freedom of services.

Declaration of Lisbon, Barcelona: „to make Europe the most competitive and dynamic knowledge-based economy in the world."

of the he free movement."

The EC institutions and member states should facilitate employment and the provision of services through wholesale consolidation of the existing regimes of professional recognition in the regulated professions.

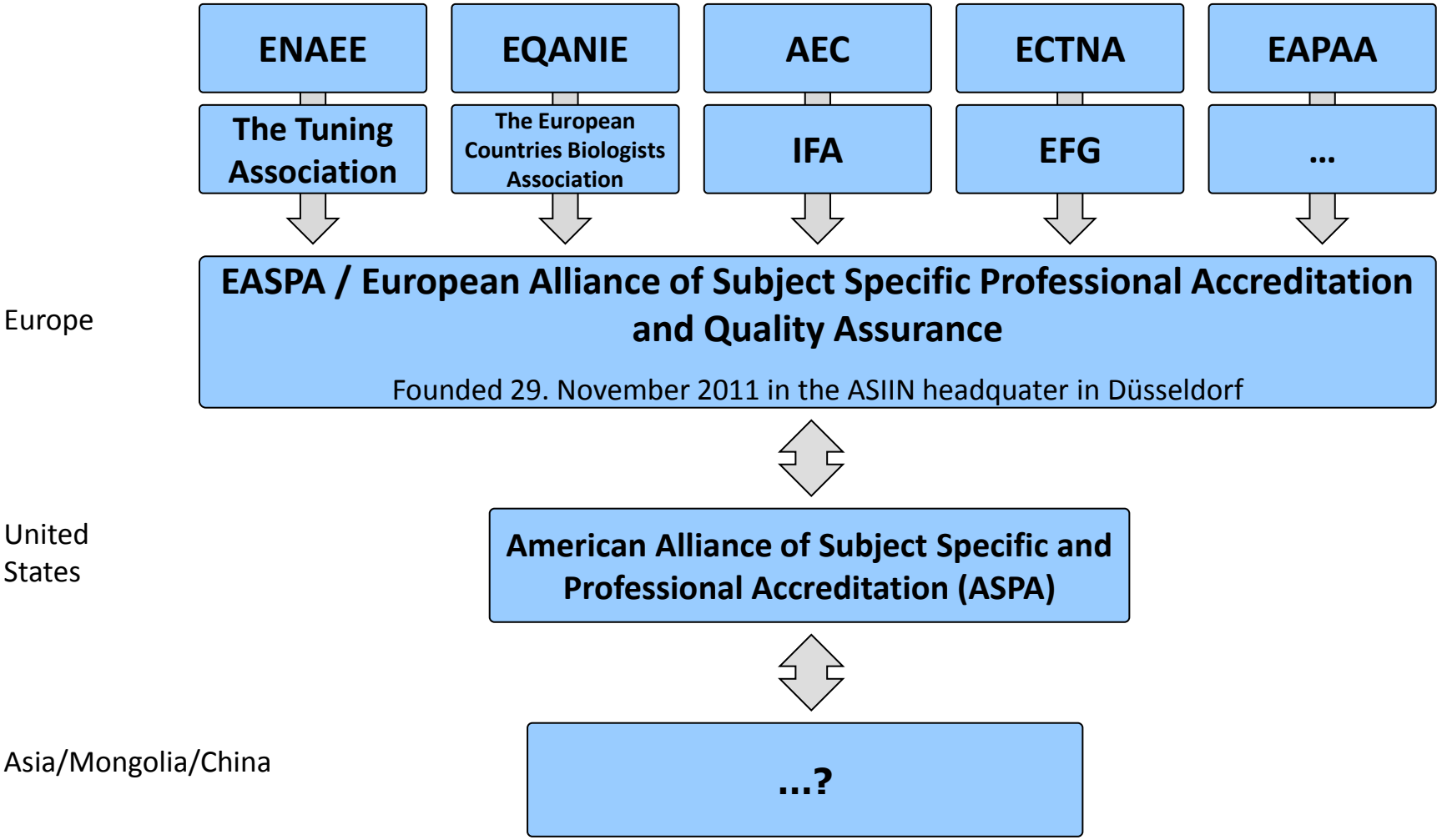
Professional Mobility

European Instruments for Recognition of Degrees through QA

European Quality Assurance is based on

- ✓ The European Qualification Framework(Bologna/Dublin Descriptors + Kopenhagen process are integrated), ECTS, Diploma Supplement
- ✓ European Standards and Guidelines
- ✓ European Register of QA/Accreditation Agencies
- ✓ **European Learning Outcomes/Competence Profiles on the Disciplinary Level**

New European developments in disciplinary, subject specific program accreditation



Joint Declaration of the field-specific accreditation networks to the European Ministers in London

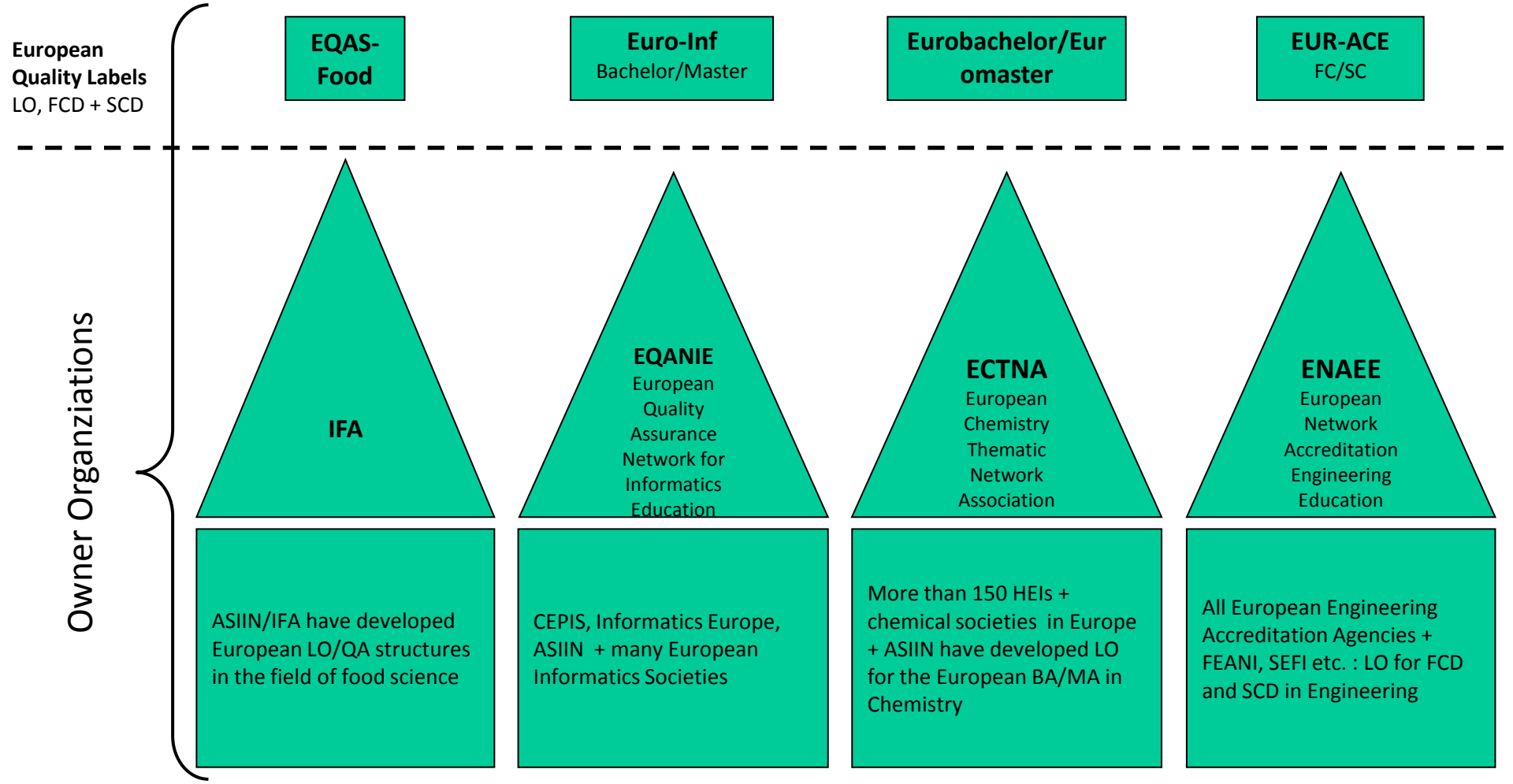
The European Label Associations undersigning this statement represent accreditation bodies, higher education institutions, professional and scientific associations and other relevant stakeholders in higher education in the respective discipline.

Aiming at:

- Providing an appropriate "European Label" to the graduates of accredited higher education programmes;
- Securing and improving the quality of higher education;
- Facilitating trans-national recognition of academic qualifications through a recognized label;
- Facilitating recognition of academic qualifications by the competent authorities;
- Protecting consumers against false information and low-quality university degrees and other qualifications;
- and
- Considering the “European Quality Assurance Standards” and the “Framework of Qualifications for the European Higher Education Area” adopted by the European Ministers Responsible for Higher Education,

the members represented by the European Label Associations have undertaken the development of criteria and procedural guidelines based on which the European Quality Label in the respective discipline may be awarded.

ASIIN: „our QA-networks for academic and professional mobility



ASIIN: „our“ seals and labels

An ASIIN-procedure on the programme / course / module level may lead to different seals

National German (public, generic)

Stiftung zur Akkreditierung von Studiengängen in Deutschland
Akkreditierungsrat

Engineerin,g Natural Sciences, Informatics (Economics)

ASIIN Accredited Degree Programme 2013-2018

ASIIN CONSULT Certified Module 2013-2018

Informatics

Euro-Inf Master awarded by EQANIE

Chemistry

European Chemistry Thematic Network ECTN
European Chemistry Thematic Network Association
EUROMASTER®

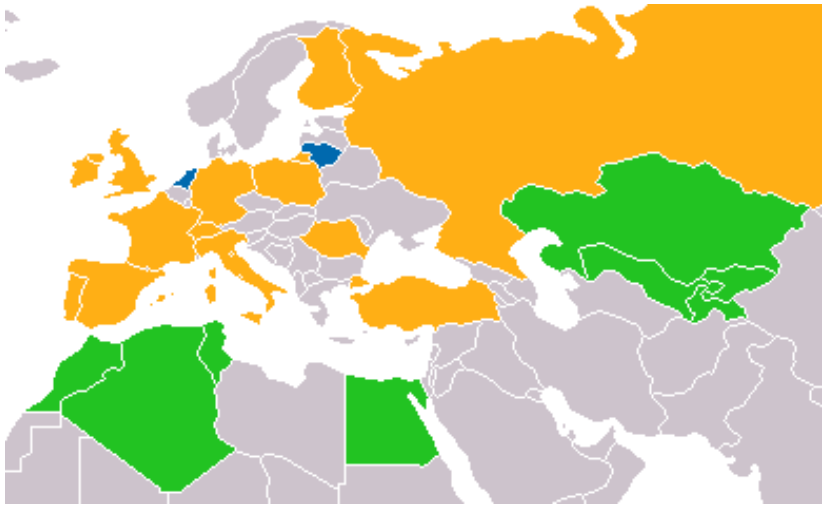
European Chemistry Thematic Network ECTN
European Chemistry Thematic Network Association
EUROBACHELOR®

Engineering

European Accreditation of Engineering Programmes
EUR-ACE®

Activities for increasing the dissemination of the (European) subject-specific labels – theEUR-ACE Label

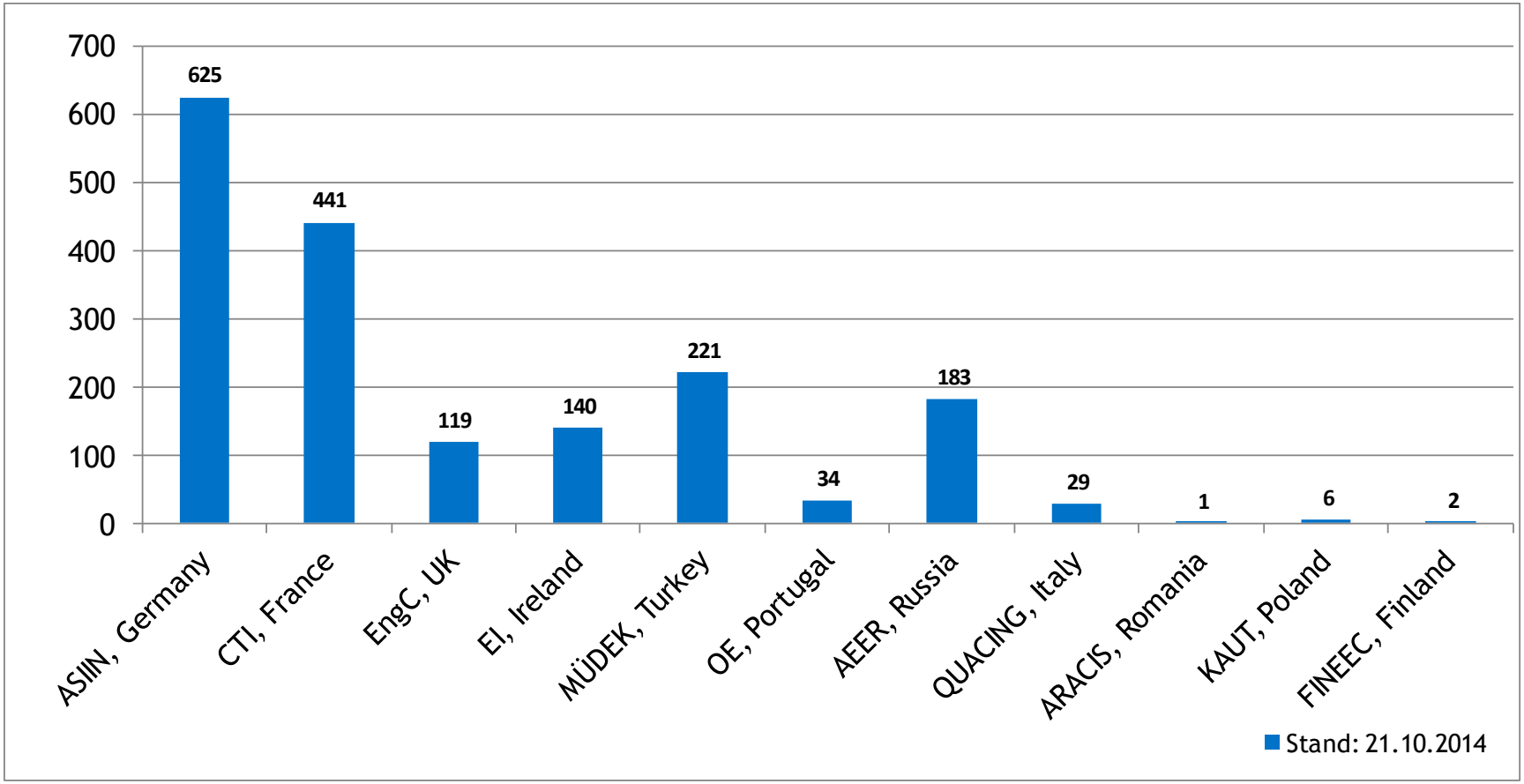
- Regional distribution is increasing: 13 agencies authorized
- Applications from non-engineering specific agencies / control function of the EMC FEANI
- Automatic recognition and listing of EUR-ACE accredited programmes in the FEANI-Index; connection to EngineerING card
- Mutual recognition agreement among 13 agencies signed
- **Challenges:** precision of the „EUR-ACE Claim“, review of the „EUR-ACE“-Criteria (connectable procedures); discussions with the Washington Accord as equals



Legende:

- Countries with an EUR-ACE authorized agency
- Countries where agencies have applied for authorization
- Introduction planned in frame of EU-financed projects

The attractiveness of the EUR-ACE® Labels – number of awarded labels



→ **Overall, more than 1.800 EUR-ACE® labels have been awarded worldwide.**

ASIIN

New Version

This is to certify that the Master 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 outcomes of **Second Cycle 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

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

The President
Dr. Iring Wasser

Brussels, 25 July 2011

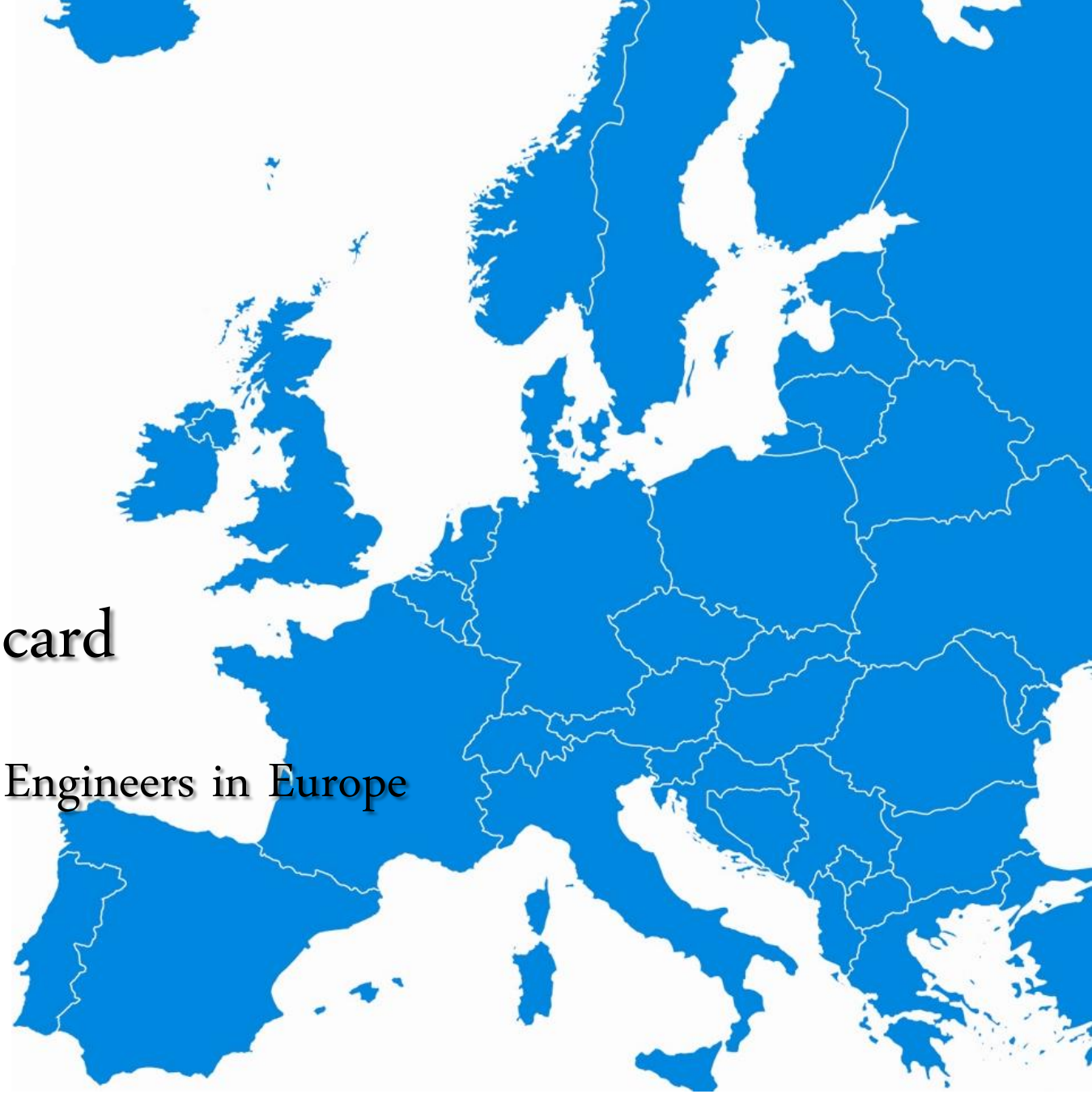
For ASIIN

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

Düsseldorf, 25 July 2011

Benefits for HEIs

- Reliable information on quality of FC programme for admission for SC
- Benchmarked against other European/internatinoal programmes
- Means of promotion: programme meets academic standards; Assurance that programme meets quality standards set by the engineering profession
- Incentives for students to choose EUR-ACE labelled programme



engineerING card

More Mobility for Engineers in Europe

EUR-ACE and the Engineering Card as an answer to impediments to professional mobility?

- **Lacking transparency on the job market**

  Different degrees and complicated acceptance procedures have hampered the change of employment in European Countries and between European Countries.

- **EU Mobility Regulation of 2005**

  The EU therefore demands the mutual acceptance of the competencies required to carry out a profession in order to eliminate impediment at the change of employment between individual member states in the long-term.

Verification Standards

- Applicant identity will be verified
  by original or certified ID, or trusted third party attestation

- Academic qualification will be validated
  - that the applicant holds the qualification by certified copy, preferably verified with the university
  - that the qualification meets the standards by EUR-ACE equivalence

- Work experience will be validated
  by confirmation from employer / client or trusted third party

- Continuing education will be validated
  by certificates

engineerING card: Front

1 Given Name

2 Surname

3 Date and Place of Birth

4a Date of Issue

4b Date of Expiry

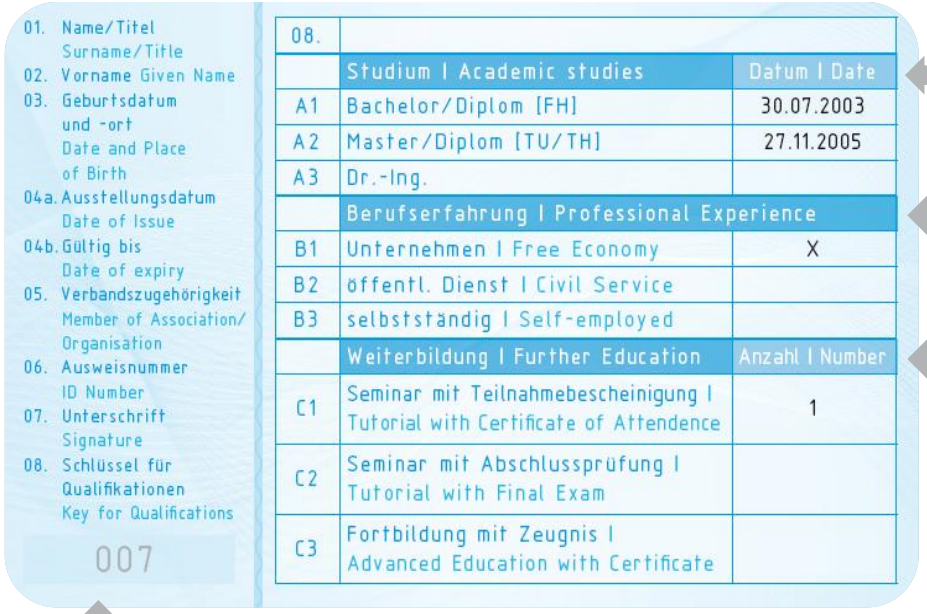
5 Member of Association/ Organisation

6 ID Number

7 Signature

8 Key for qualifications

engineerING card: Back



01. Name/Titel
Surname/Title
02. Vorname Given Name
03. Geburtsdatum und -ort
Date and Place of Birth
04a. Ausstellungsdatum
Date of Issue
04b. Gültig bis
Date of expiry
05. Verbandszugehörigkeit
Member of Association/ Organisation
06. Ausweisnummer
ID Number
07. Unterschrift
Signature
08. Schlüssel für Qualifikationen
Key for Qualifications

007

08.		
	Studium I Academic studies	Datum I Date
A1	Bachelor/Diplom [FH]	30.07.2003
A2	Master/Diplom [TU/TH]	27.11.2005
A3	Dr.-Ing.	
	Berufserfahrung I Professional Experience	
B1	Unternehmen I Free Economy	X
B2	öffentl. Dienst I Civil Service	
B3	selbstständig I Self-employed	
	Weiterbildung I Further Education	Anzahl I Number
C1	Seminar mit Teilnahmebescheinigung I Tutorial with Certificate of Attendence	1
C2	Seminar mit Abschlussprüfung I Tutorial with Final Exam	
C3	Fortbildung mit Zeugnis I Advanced Education with Certificate	

Academic Studies

Professional Experience

Continuing Education

Legend of classification of the front of the card

The Register Data Sheet Features all Important Details

Auszug aus dem
Deutschen Ingenieurregister

Extract from the
German Engineer Register

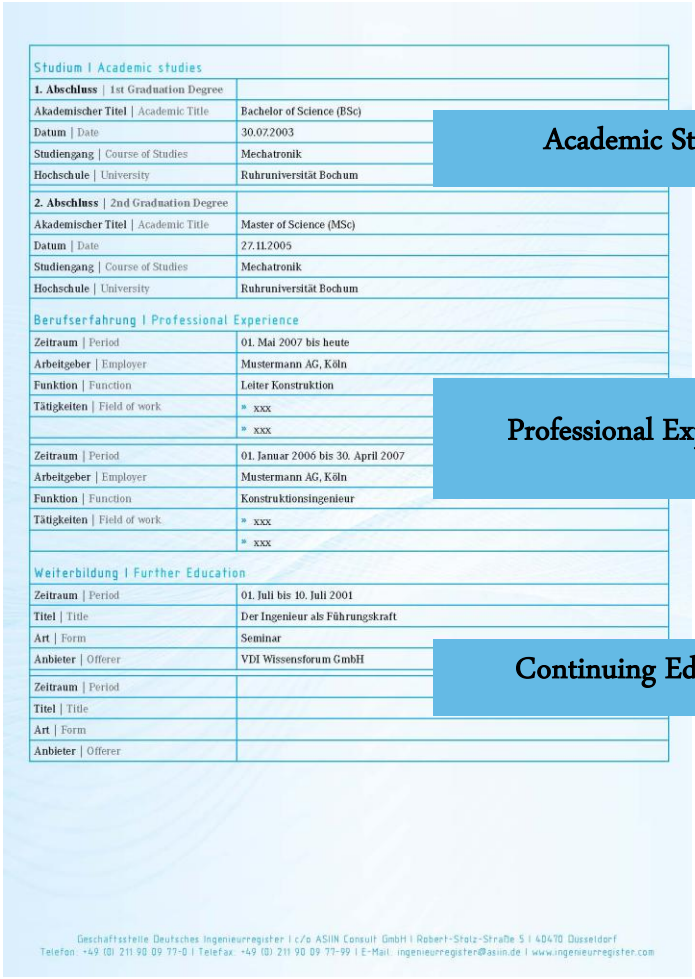
Name | Surname:	Mustermann
Vorname | Given Name:	Max
Geburtsdatum | Date of Birth:	30.07.1961
Geburtsort | Place of Birth:	Musterstadt
Ausstellungsdatum | Date of Issue:	01.12.2009
Verbandszugehörigkeit | Member of Association/Organisation:	VDI
Ausweisnummer | ID Number:	007

Angaben zur Person I Personal Data

Adresse | Address:	Musterstraße 10 55555 Musterstadt
Land | Country:	Deutschland
Telefon | Phone:	xxx
Telefax | Fax:	xxx
E-Mail | E-mail:	xxx
Staatsangehörigkeit | Nationality:	deutsch

Geschäftsstelle Deutsches Ingenieurregister I c/o ASIIN Consult GmbH I Robert-Stolz-Straße 5 I 40470 Düsseldorf
Telefon: +49 (0) 211 90 09 77-0 I Telefax: +49 (0) 211 90 09 77-99 I E-Mail: ingenieurregister@asiin.de I www.ingenieurregister.com

Personal Details



Studium I Academic studies	
1. Abschluss | 1st Graduation Degree	
Akademischer Titel | Academic Title	Bachelor of Science (BSc)
Datum | Date	30.07.2003
Studiengang | Course of Studies	Mechatronik
Hochschule | University	Ruhruniversität Bochum
2. Abschluss | 2nd Graduation Degree	
Akademischer Titel | Academic Title	Master of Science (MSc)
Datum | Date	27.11.2005
Studiengang | Course of Studies	Mechatronik
Hochschule | University	Ruhruniversität Bochum
Berufserfahrung I Professional Experience	
Zeitraum | Period	01. Mai 2007 bis heute
Arbeitgeber | Employer	Mustermann AG, Köln
Funktion | Function	Leiter Konstruktion
Tätigkeiten | Field of work	» xxx
	» xxx
Zeitraum | Period	01. Januar 2006 bis 30. April 2007
Arbeitgeber | Employer	Mustermann AG, Köln
Funktion | Function	Konstruktionsingenieur
Tätigkeiten | Field of work	» xxx
	» xxx
Weiterbildung I Further Education	
Zeitraum | Period	01. Juli bis 10. Juli 2001
Titel | Title	Der Ingenieur als Führungskraft
Art | Form	Seminar
Anbieter | Offerer	VDI Wissensforum GmbH
Zeitraum | Period	
Titel | Title	
Art | Form	
Anbieter | Offerer	

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Academic Studies

Professional Experience

Continuing Education

Thank you/Bayarlaala

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