ASIN

(**A**kkreditierungsagentur für **S**tudiengänge der

Ingenieurwissenschaften, der **I**nformatik,

der **N**aturwissenschaften und der Mathematik)

Prof. Dr. Pepen Arifin
Institut Teknologi Bandung

Akreditasi Internasional

- Kuliah dengan Bahasa Inggris?
- Kelas harus ber-AC, lengkap dengan system audio-video-internet?
- Dokumen-dokumen harus berbahasa Inggris?
- Fasilitas harus lengkap dan modern?
- Akreditasi internasional vs Nasional (Permen 53/2023). Pilihan lembaga akreditasi internasional?
- Biaya mahal? Keuntungan akreditasi internasional?
- Jika prodi sudah unggul, apa bisa langsung akreditasi internasional?
- Bagaimana *time-line* proses akreditasi internasional?

A. LEMBAGA AKREDITASI YANG DIAKUI DALAM PERSETUJUAN INTERNASIONAL

Lembaga Akreditasi Internasional yang diakui dalam persetujuan internasional sebagai berikut:

NO	PERSETUJUAN INTERNASIONAL
1.	External Quality Assurance Results (EQAR)
2.	Council for Higher Education Accreditation (CHEA)
3.	U.S. Department of Education (USDE)
4.	Washington Accord
5.	World Federation for Medical Education (WFME)
6.	Sydney Accord
7.	Dublin Accord
8.	Seoul Accord
9.	Canberra Accord
10.	Asia Pacific Quality Register (APQR)

B. LEMBAGA AKREDITASI INTERNASIONAL SELAIN YANG DIAKUI DALAM PERJANJIAN INTERNASIONAL

Lembaga Akreditasi Internasional selain yang diakui dalam perjanjian internasional sebagai berikut juga diakui/dinyatakan sebagai lembaga akreditasi oleh Kementerian Pendidikan dan Kebudayaan.

NO	NAMA LEMBAGA
1.	Hong Kong Council for Accreditation of Academic & Vocational Qualifications (HKCAAVQ)
2.	Higher Education Evaluation and Accreditation Council of Taiwan (HEEACT)
3.	Tertiary Aducation Quality and Standards Agency (TEQSA)
4.	The Association to Advance Collegiate Schools of Business (AACSB)
5.	The Association of MBAs (AMBA)
6.	EFMD Quality Improvement System (EQUIS)
7.	International Accreditation Council for Business Education (IACBE)
8.	Association of Asia-Pacific Business Schools (AAPBS)
9.	Accreditation Council for Business Schools and Programs (ACBSP)
10.	Royal Society of Chemistry (RSC)
11.	The Rehabilitation Council of India (RCI)
12.	Council for the Accreditation of Educator Preparation (CAEP)

Register

Registered agencies

— Suspended entries

— Former entries

Current applications

Decisions

Criteria for inclusion

Analysis of Decisions

Application process

Reporting and renewal

Complaints

Registered agencies

The following quality assurance agencies are registered on EQAR, which means that they have demonstrated their substantial compliance with Standards and Guidelines for Quality Assurance in the EHEA (ESG).

We aim to keep information on the register as accurate and reliable as possible. Please inform us should you note any inaccurate or misleading information, or refer to our Complaints Policy. Show the full Terms and Conditions.

PT   **A3ES** - Agency for Evaluation and Accreditation of Higher Education   >

VIEW 574 REPORTS ON 95 INSTITUTIONS

ES   **AAC-DEVA** - Andalusian Agency of Knowledge, Department of Evaluation and Accreditation   >

AM **ANQA** - National Centre for Professional Education Quality Assurance >

DE **AQAS** - Agency for Quality Assurance through Accreditation of Study Programmes >

AT **AQ Austria** - Agency for Quality Assurance and Accreditation Austria >

ES **AQU** - Catalan University Quality Assurance Agency >

RO **ARACIS** - Romanian Agency for Quality Assurance in Higher Education >

HR **ASHE** - Agency for Science and Higher Education >

DE **ASIIN** - ASIIN e.V. >

PENDAHULUAN

Bagaimana program studi diakreditasi?

Program studi harus:

- Memenuhi standar mutu/kriteria yang ditetapkan.
  - ASIIN General Criterial
- Menunjukkan hasil asesmen
- Menunjukkan proses perbaikan berkelanjutan
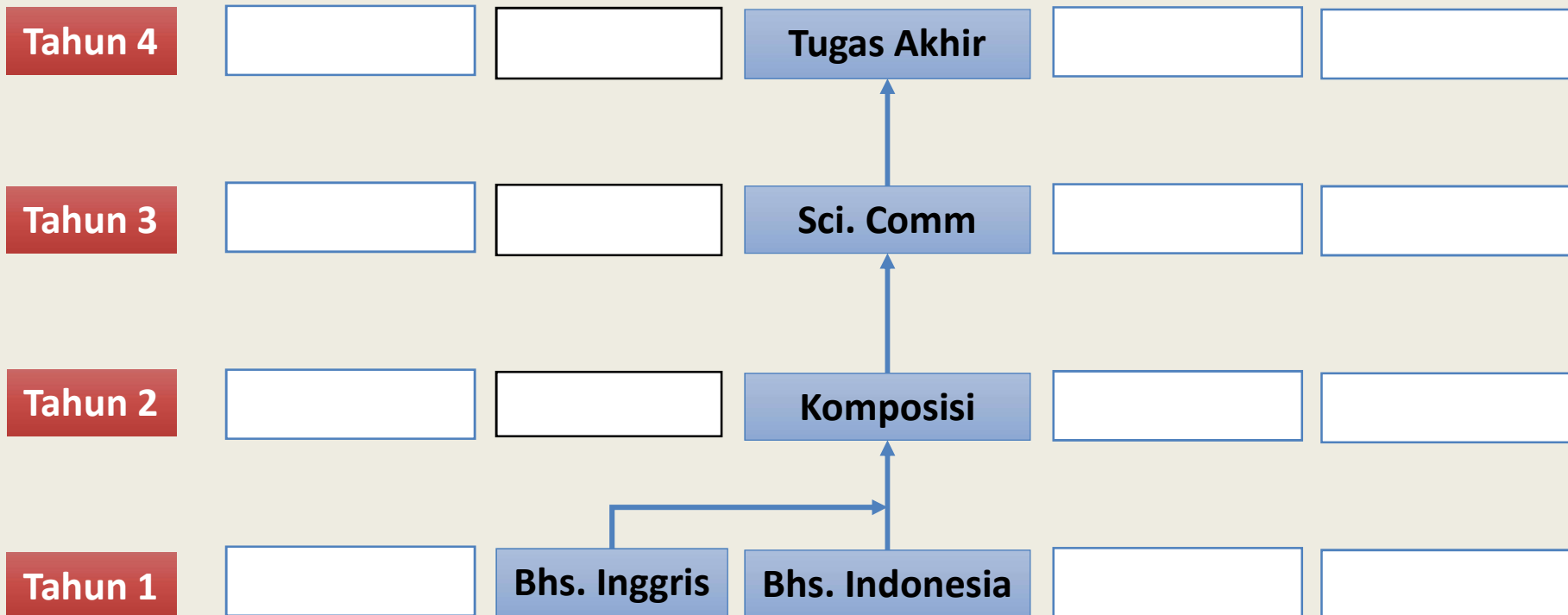- Menunjukkan perbaikan proses evaluasi jika diperlukan.

Apa itu standar mutu/kriteria akreditasi?

- Standar mutu/kriteria yang digunakan umumnya berbasis *outcomes*, yaitu kemampuan apa yang dapat ditunjukkan oleh mahasiswa setelah mengikuti/menyelesaikan program pendidikan.

- Standar mutu/kriteria ditentukan oleh:
  - Asosiasi profesi (contoh: ABET)
  - Technical university, University of Applied Sciences, Technical and Scientific Professionals and Federation of Employers (ASIIN).

- Program studi harus:
  - Menetapkan tujuan prodi dan program learning outcomes (PLO) atau capaian pembelajaran lulusan (CPL)
  - Mengukur capaian CPL.
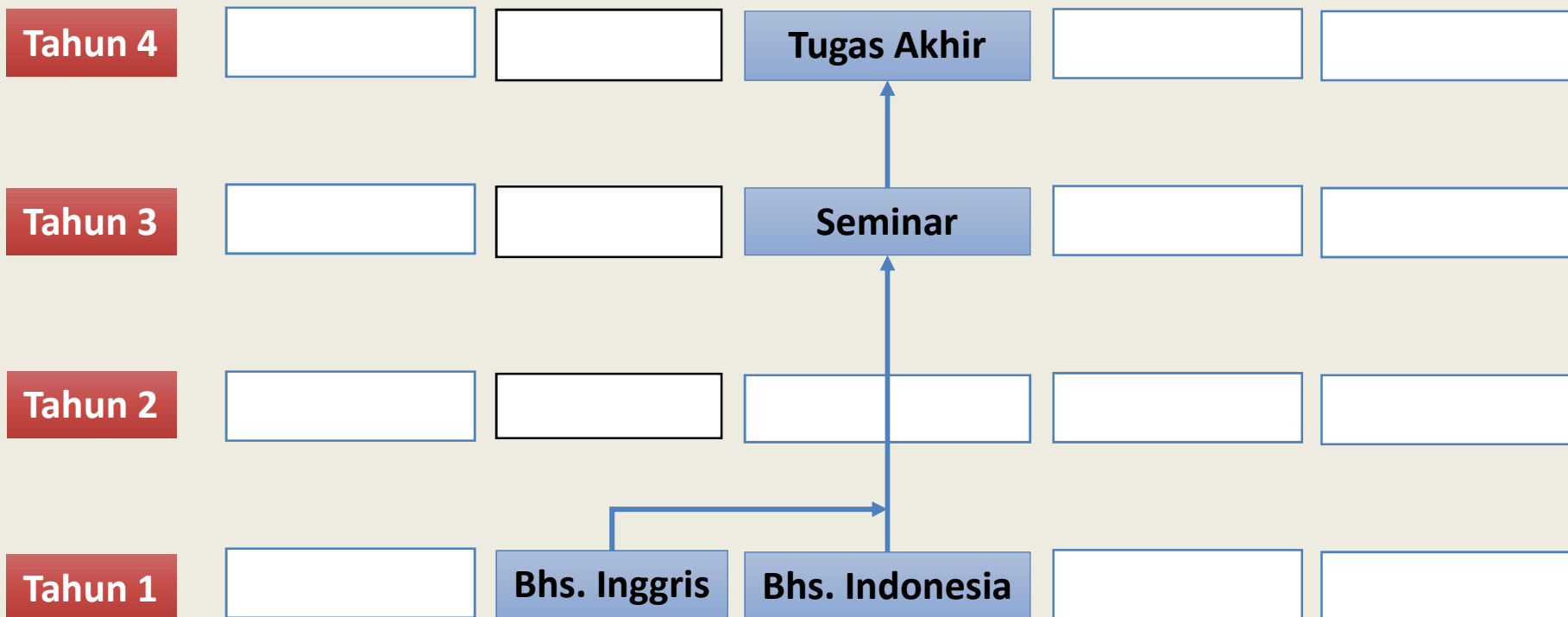 - Melakukan perbaikan berkelanjutan.

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Contoh: ASIIN Subject Specific Criteria (Physics)

1. They have sound knowledge of classical physics (mechanics, electrodynamics, thermodynamics, vibrations, waves and optics) and are familiar with the fundamentals of quantum, atomic and molecular, nuclear, elementary particle and solid state physics.

2. They are familiar with important mathematical methods used in physics and can use these to solve physics problems.

3. They have an extensive understanding of the fundamental principles of physics, their inherent relation and mathematical formulation and, based on this, have acquired methods suitable for theoretical analysis, modelling and simulation of relevant processes.

12. They are able to solve a simple scientific problem and to present their results orally (ta Communication and in writing (demonstrated in a Bachelor's thesis)

Bagaimana Strategi Pencapaian CPL?
Communication Skill (Skema 1)

Tahun 4			Tugas Akhir		
Tahun 3			Sci. Comm		
Tahun 2			Komposisi		
Tahun 1		Bhs. Inggris	Bhs. Indonesia		

Bagaimana Capaian Lulusan Dapat Dicapai?
Communication Skill (Skema 2)

Tahun 4			Tugas Akhir		
Tahun 3			Seminar		
Tahun 2					
Tahun 1		Bhs. Inggris	Bhs. Indonesia		

LO: able to communicate effectively in writing, orally, and graphically – Syllabus Analysis

Performance criteria

- Create appropriate documents
- Write logically
- Logical oral presentation
- Illustrate with graphics
- Interpret graphical info correctly

Syllabus Objective (Komposisi)

- Analyze communication situations and audiences
- Write documents that are grammatically correct

Syllabus Objective (Seminar)

- Deliver effective presentations
- Develop effective interpersonal communication skills
- Use communication technology appropriately and effectively

Syllabus Objective (Tugas Akhir)

- Conduct research and use it to complete written and oral reports

Syllabus Objective (Komposisi)

- Analyze communication situations and audiences → Lecture
- Write documents that are grammatically correct → Project

Syllabus Objective (Seminar)

- Deliver effective presentations → Presentation
- Develop effective interpersonal communication skills → Lecture, Project
- Use communication technology appropriately and effectively → Lecture, Presentation

Syllabus Objective (Tugas Akhir)

- Conduct research and use it to complete written and oral reports → Presentation, Project

Bagaimana Mengetahui CPL Tercapai? Asesmen

Objective	Exam 1	Exam 2	Assignment 1	Assignment 2	Assignment 3
Analyze communication situations and audiences		x			
Write business documents that are grammatically correct and use appropriate business style			x		
Deliver effective business presentations	x			x	
Develop effective interpersonal communication skills					x
Use communication technology appropriately and effectively	x			x	
Conduct research and use it to complete written and oral reports			x		x

Bagaimana program studi diakreditasi?

Program studi harus:

- Menetapkan program learning outcomes (capaian pembelajaran lulusan/CPL)

- Memenuhi standar mutu/kriteria yang ditetapkan

- Menunjukkan proses evaluasi

- Menunjukkan proses perbaikan berkelanjutan

Apa yang harus disiapkan oleh program studi?

Program studi harus menyiapkan Laporan Evaluasi Diri:

- Berisi informasi terperinci tentang semua aspek program studi.

- Analisis kualitatif dan kuantitatif tentang kekuatan dan keterbatasan program

- Menunjukkan hasil asesmen CPL dan CQI

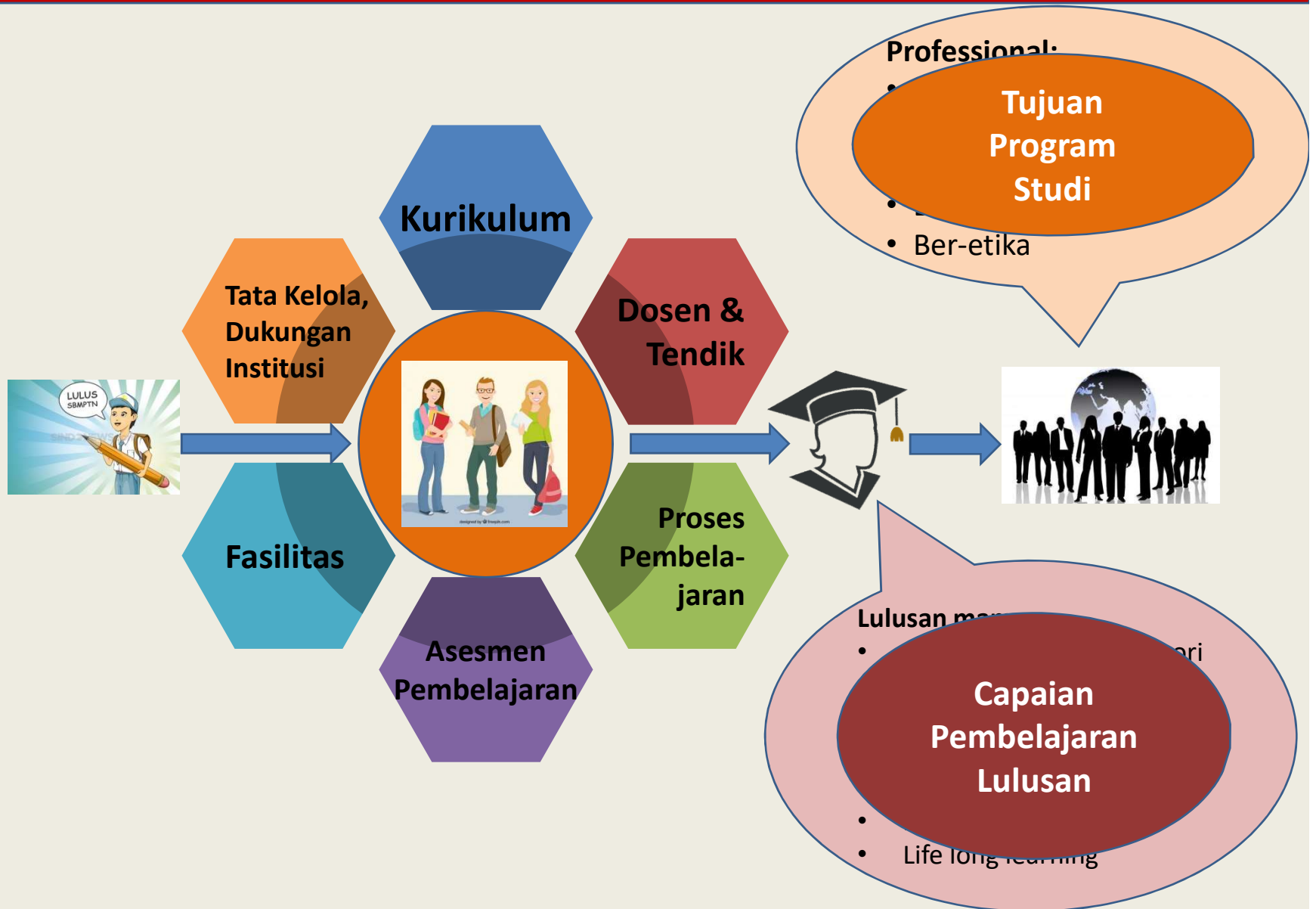# Permasalahan Umum Program Studi?

- CPL belum dirumuskan secara efektif.
- Keterkaitan antara tujuan program studi dengan CPL belum jelas dan logis.
- Belum terlihat benang merah yang jelas dan logis antara CPL dengan kurikulum.
- Teaching – learning belum realistis untuk membantu mahasiswa mencapai CPL.
- Belum ada pengukuran CPL
- Belum dilakukan CQI
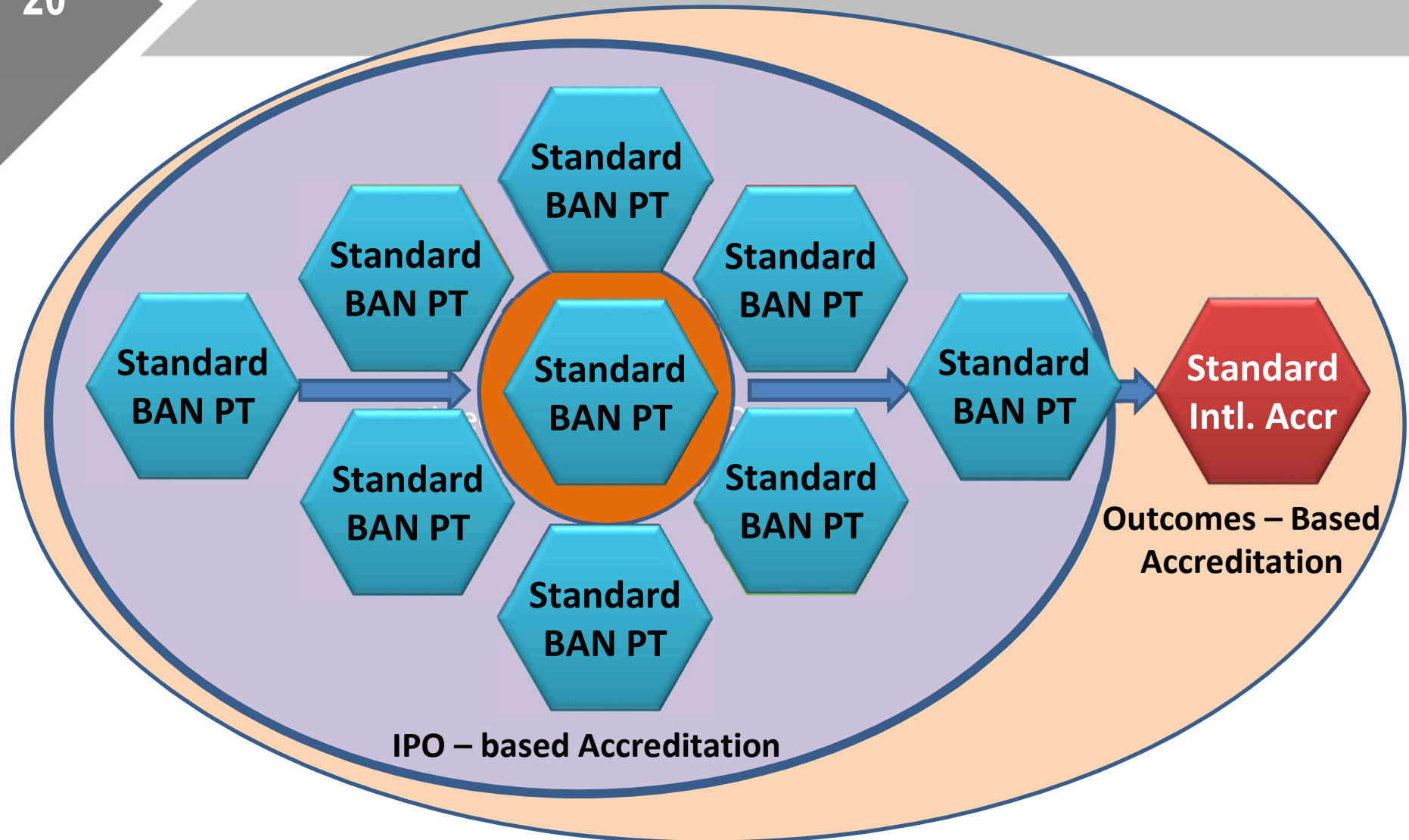
Prodi terakreditasi internasional

- Dari ~ 21 ribu program studi aktif di Indonesia, hanya ~ 530 program studi (2,5%) yang telah memperoleh akreditasi internasional, atau

- Dari ~ 4 ribu program studi terakreditasi A oleh BAN PT hanya 13,5 % memperoleh akreditasi internasional.

Mengapa jumlah prodi terakreditasi internasional masih sedikit?

Proses Bisnis Program Studi

Kurikulum

Tata Kelola, Dukungan Institusi

Dosen & Tendik

LULUS SBMPTN

Fasilitas

Proses Pembela-jaran

Asesmen Pembelajaran

Professional:
- Ber-etika

Tujuan Program Studi

Lulusan ma...
- ...ori
- Life long learning

Capaian Pembelajaran Lulusan

Akreditasi BAN PT dan Akreditasi Internasional

Standard BAN PT

Standard BAN PT

Standard BAN PT

Standard BAN PT

Standard BAN PT

Standard BAN PT

Standard BAN PT

Standard BAN PT

Standard BAN PT

Standard Intl. Accr

Outcomes – Based Accreditation

IPO – based Accreditation

What is ASIIN?

- **A**kkreditierungsagentur für **S**tudiengänge der **I**ngenieurwissenschaften, der **I**nformatik, der **N**aturwissenschaften und der Mathematik (**ASIIN**)

- Founded in 1999 as the non-profit association for the accreditation of degree programmes in engineering an informatics (ASII)

- Expanded to ASIIN in 2002 by **including** the fields of natural sciences and mathematics.

- Since 2000, ASII or ASIIN has the right to award the accreditation seal of the German Accreditation Council, in addition to the ASIIN quality seal

Founding Members of ASIIN e. V.

Coordination Group of Technical Universities

Respective deans' conferences as "guests"

Coordination Group of Universities of Applied Sciences

Respective deans' conferences as "guests"

An alliance anchoring in the scientific community and in the economy (universities, professional organizations, scientific societies,

Technical and Scientific Associations, Professional Organizations, Chambers

Employer's Federations, Trade Unions, Industry Associations

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

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Members of ASIIN e. V.

- **Technical and scientific associations and trade organisations**
  - *German Professional Association of Geoscientists*
  - *German Association of Certified Surveyors*
  - *Federal Chamber of Engineers*
  - *German Mathematical Society*
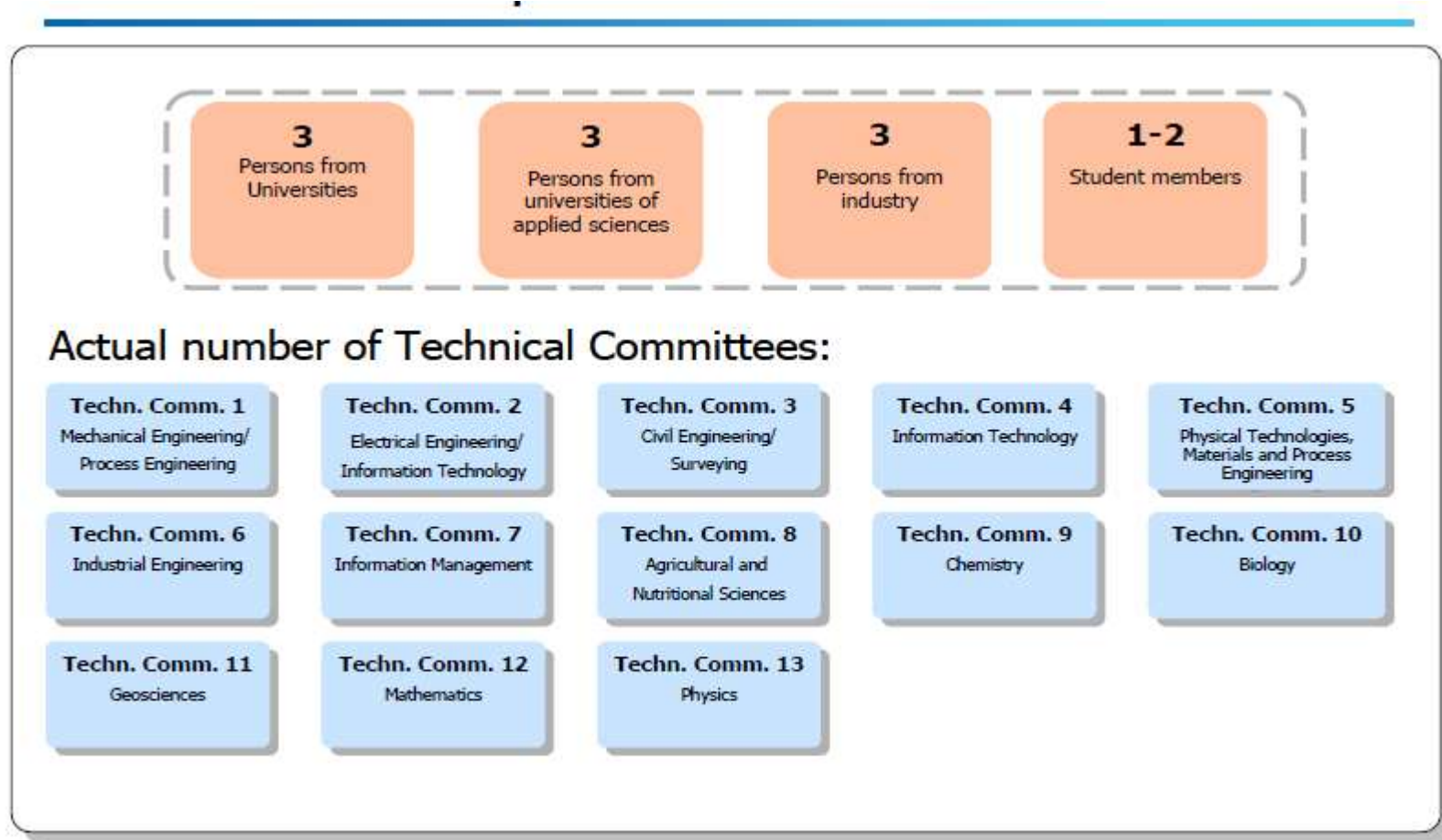 - *German Physical Society*
  - *etc*
- **Industrial and business associations**
  - *German Federation of Chemical Employers Associations*
  - *German Association for Information Technology, Telecommunications and New Media*
  - *German Trade Union Confederation*
  - *Association of German Mechanical and Plant Engineering*
  - *etc*
- **Coordination group of the universities organised by AVI**
- **Coordination group of the universities of applied sciences within the universities of applied sciences in Germany**
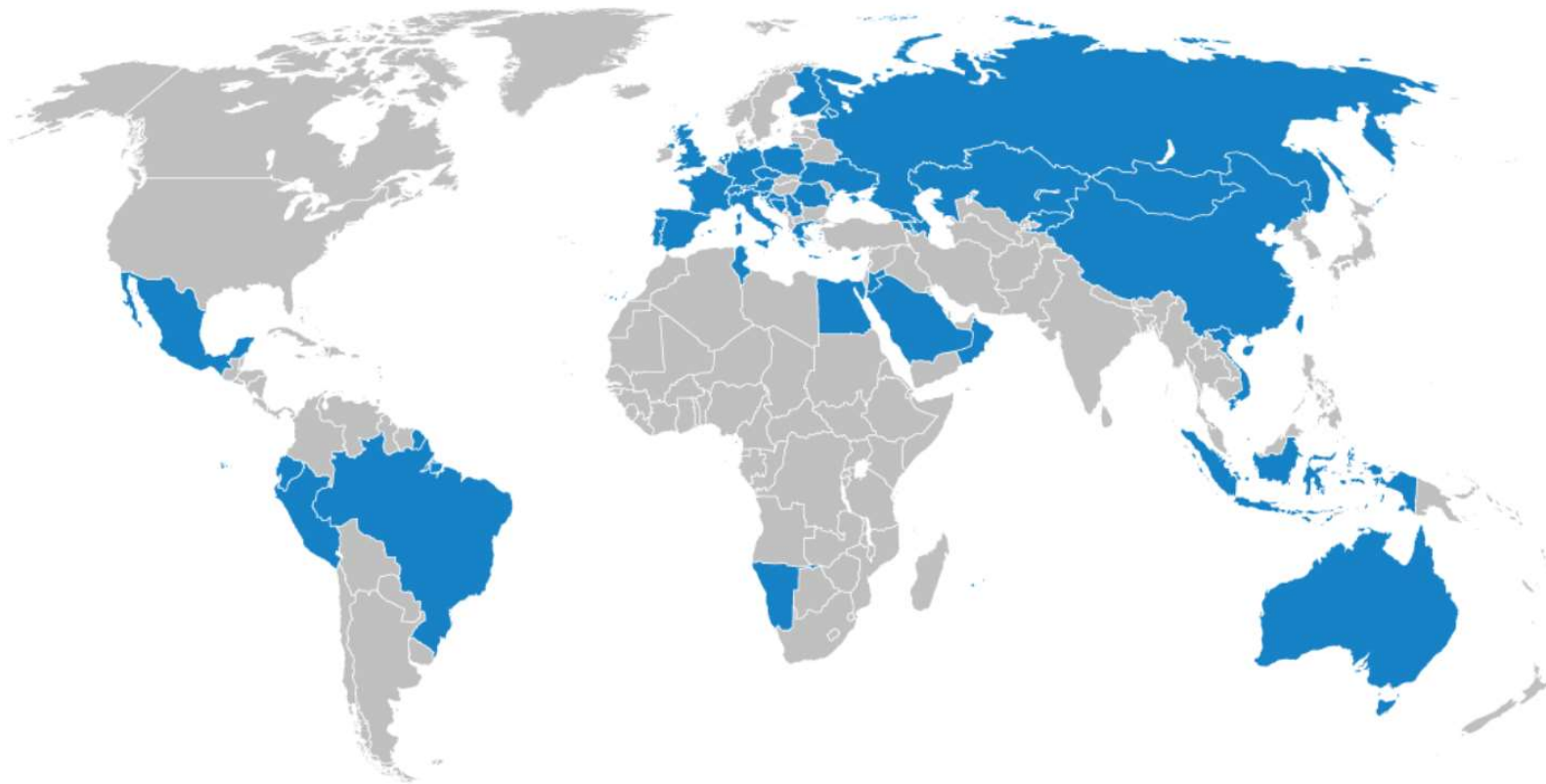
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Technical Committee ASIIN

Programme accreditation

Bachelor's, Master's, Ph.D's degree programmes:

- In engineering
- In computer science
- In the natural sciences
- In mathematics
- In all interdisciplinary areas which include one of the aforementioned subject areas
- In international and European cooperation, e.g. "double degree" or "joint degree", which include one of the aforementioned subject areas
- In teacher training programmes

ASIIN's Accreditation (International)
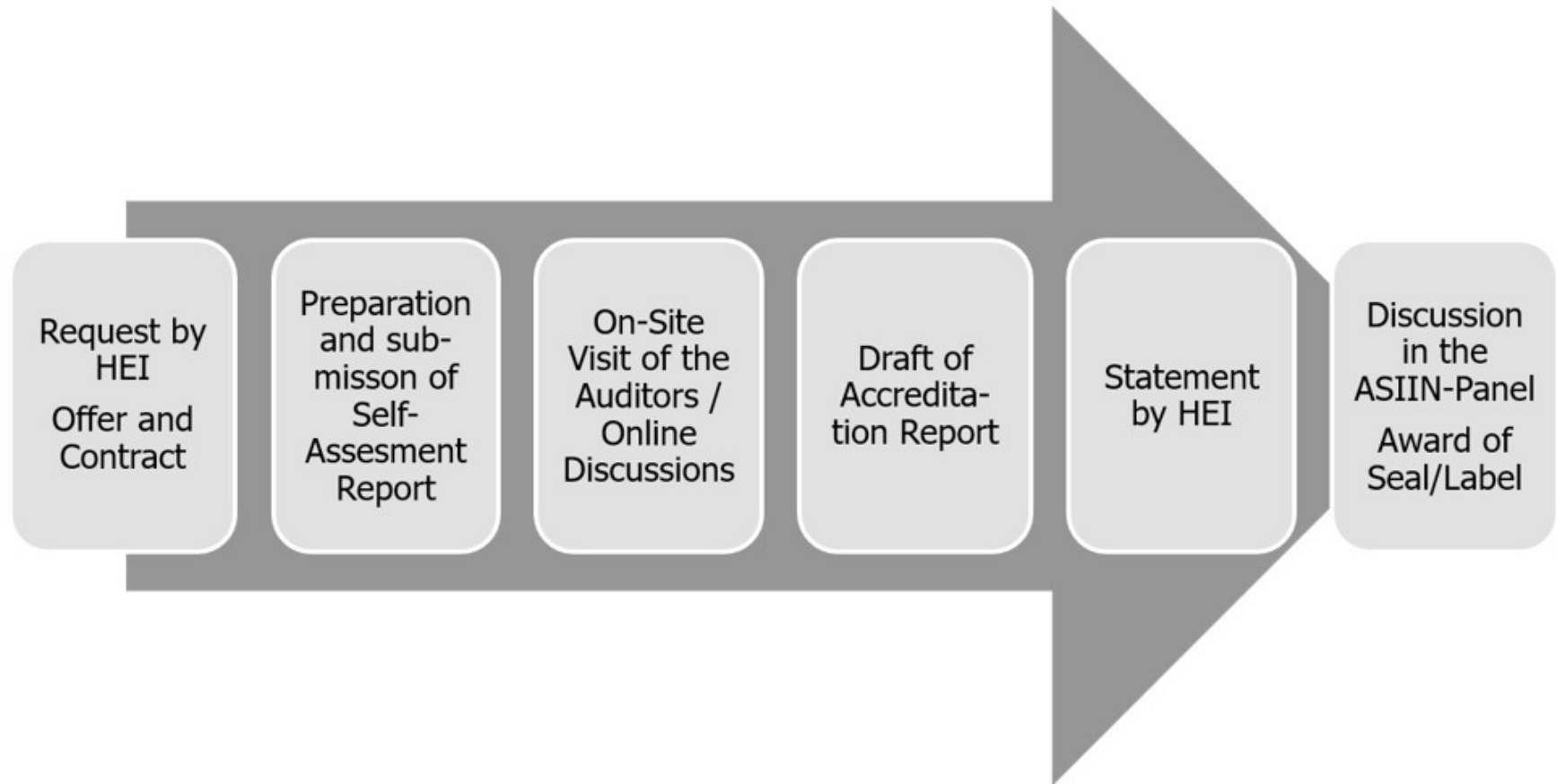

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ASIIN's International Seal dan Quality Label

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

Engineering, Natural Sciences, Informatics (Economics)

National German (public, generic)

Stiftung zur Akkreditierung von Studiengängen in Deutschland

Akkreditierungsrat

Accredited Degree Programme
ASIIN 2013-2018

Certified Module
ASIIN CONSULT 2013-2018

Informatics

Euro-Inf Master
awarded by EQANIE

Chemistry

ECTN European Chemistry Thematic Network Association
EUROMASTER®

ECTN European Chemistry Thematic Network Association
EUROBACHELOR®

Engineering

European Accreditation of Engineering Programmes
EUR-ACE®

What is the procedure of accreditation?

Request by HEI

Offer and Contract

Preparation and sub-misson of Self-Assesment Report

On-Site Visit of the Auditors / Online Discussions

Draft of Accredita-tion Report

Statement by HEI

Discussion in the ASIIN-Panel

Award of Seal/Label

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Initiation of the Accreditation Process

- HEI is asked to turn in the Accreditation Request
- Discussion in ASIIN's Technical Committee(s)
- HEI will receive tender letter (including benefits, price and a proposed timeline)

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Accreditation of Academic Programmes – Request for Quote

Please complete and send by email to:
sekr@asiin.de and **arnold@asiin.de**

or by fax to:
+49 211 900977-99

or by regular mail to:
ASIIN e.V., P.O. Box 10 11 39, 40002 Duesseldorf, Germany

Date:

Institution:

Department / Faculty:

Main contact person at the HEI for the coordination of the process / recipient of the offer:

Name:		Tel:	
Street/PO Box:		Fax:	
ZIP, City:		E-Mail:	

2. Study programmes to be assessed (please fill out)

Item Nr.	Name of the study programme and awarded degree	Desired seals		Joint / Double Degree[1]	Planned submission date for self-assessment report (mm/yyyy)	Curriculum attached?[2]
		ASIIN	International Labels[3]			
1.		☐	Please select	☐		☐
2.		☐	Please select	☐		☐
3.		☐	Please select	☐		☐
4.		☐	Please select	☐		☐
5.		☐	Please select	☐		☐
6.		☐	Please select	☐		☐
7.		☐	Please select	☐		☐
8.		☐	Please select	☐		☐
9.		☐	Please select	☐		☐
10.		☐	Please select	☐		☐

(In case you wish to submit additional items for assessment, please send us these as an attachment.)

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3. Suggestion for clusters (joint assessment of bundles of programmes)

Programmes with related subjects may be assessed in a **joint** procedure, a so-called "cluster".
If desired, please indicate which of the above-mentioned degree programmes should be assessed in a joint procedure.

	Please indicate the names or the numbers from the table above (question 2)
Cluster A	
Cluster B	
Cluster C	

☐ We are interested in certifying individual modules in the above-mentioned study programmes.

☐ We are interesed in an institutional accreditation.

☐ We are interested in an evaluation

4. Declaration

☐ We hereby declare that our institution is authorized / licensed to award degrees for these programmes by the relevant national authority.

☐ [Only if applicable]: We hereby declare that a negative accreditation decision has been issued for these programmes by another accreditation agency.
Details (Agency / programme title / date):

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Preparing the Self-Assessment

- Self assessment report must be compiled by the university
- It should be based on the internal QA-system
- Compilation takes 6-12 months to prepare
- University staff (administrative and academic) needs to contribute content
- Preparation and discussion of the draft of the self assessment based on: General Criteria + Subject-Specific Criteria

SAR's Guideline ...

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Table of Contents

The on-site visit

- Standard team for initial accreditation:

  4 ASIIN peers, representatives from

  - Technical Universities or Universities (more research oriented; 1-2 peers)
  - Universities of Applied Sciences (1-2 peers)
  - Industry (1 peer)

- Discussion with representatives of institution's administration

- Discussion with professors responsible for the development of the programme

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The on-site visit

- Discussion with academic staff
- Discussion with students/alumni/ representatives of industry
- Review of exams (written, final, projects…)
- Visitation of the institution (laboratories, library, …)
- Final internal discussion of auditors
- Final meeting with institution's representatives

After the on-site visit

- **Audit** and production of **auditor report** (2 weeks)
- **Comments** by university (submission of additional information material, if required) (4 weeks)
- Final **recommendation** by the auditors (1 week)
- Discussion in relevant **Technical Committee(s)** (4 weeks)
- Discussion in the **Accreditation Commission** □ **Decision and conclusion** (2 weeks)

The accreditation decision: Possible outcomes

1. **Accreditation without reservation:** Accreditation valid for five years.
2. **Conditional accreditation with requirements and recommendations:** Accreditation initially limited to one year, extended to a total of five years after fulfillment of the requirements.
3. **Suspension of the accreditation process:** With conditions, for up to 18 months. The process will be taken up again after the conditions have been met.
4. **Rejection**

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Financial Framework

- ASIIN e.V. is a non-profit organisation
- Costs depend on:
  - Number of peers (travelling, accommodation and subsistence)
  - Number of programmes to be accredited
  - Duration of audit

Accreditation of degree programmes based outside of Germany

- The **content-related core of the ASIIN General Criteria** is decisive for the award of the ASIIN quality seal, irrespective of the country the organisation applying for accreditation is located in.

- Those parts of the ASIIN General Criteria related to the implementation of **specific national and regional structural features and legal provisions** may not be applied in other countries or regions. This element is adapted to national or regional standards.

ASIIN's approach to assessment

- *Definition of goals:*
  - *For each programme, the main focus lies on the learning* outcomes that should be achieved by students during their studies.
  - The overall learning outcomes aimed at in the programme must be rigorously collated with the goals of the learning outcomes of the individual modules in the programme.
- *Implementation:*
  - *The measures, instruments and resources* which are the product of the supporting or organisational processes of a higher education institution that it invests in the implementation of a programme (input) in order to attain the defined goals (outcome).
- *Further development and checking results:*
  - *The institution's internal quality assurance* process is considered at this juncture;
  - Feedback mechanisms should lead to continuous improvements in the programme.

General Criteria

General Criteria for the
Accreditation of Degree Programmes
Engineering, Informatics, Architecture,
Natural Sciences, Mathematics,
individually and in combination
with other Subject Areas

ASIIN Requirement

The ASIIN seal		
ASIIN Requirements		Corresponding "European Standar and Guidelines (ES
1	**THE DEGREE PROGRAMME: CONCEPT, CONTENT & IMPLEMENTATION**	
1.1	Objectives and learning outcomes of a degree programme (intended qualifications profile) The objectives and learning outcomes of the degree programme (i.e. the intended qualifications profile) are described in a brief and concise way. They are well-anchored, binding and easily accessible to the public, i.e. to students, teaching staff and anyone else interested. The aims and learning outcomes: ➔ reflect the level of academic qualification aimed at[6] and are equivalent to the learning outcome examples described in the respective ASIIN Subject-Specific Criteria (SSC); ➔ are viable and valid; ➔ are analysed on a regular basis and developed further if necessary. The intended qualifications profile allows the students to take up an occupation which corresponds to their qualification (professional classification). The relevant stakeholders were included in the process of formulating and further developing the objectives and learning outcomes. [Documentation/supporting records: guidelines, website, Diploma Supplement, student handbooks, alumni surveys etc.]	ESG 1.2[7] ESG 1.3 ESG 1.7 ESG 1.8 ESG 1.9

General requirements for the accreditation of degree programmes

1. **DEGREE PROGRAMME: CONCEPT, CONTENT AND IMPLEMENTATION**

   1.1 Objectives and learning outcomes of a degree

   programme (intended qualifications profile)

   1.2 Name of the degree programme

   1.3 Curriculum

   1.4 Admission requirements

2. **DEGREE PROGRAMME: STRUCTURES, METHODS AND IMPLEMENTATION**

2.1 Structure and modules

2.2 Work load and credits

2.3 Teaching methodology

2.4 Support and assistance

3. **EXAMINATIONS: SYSTEM, CONCEPT AND ORGANISATION**

Exams: System, concept and organisation

4. **RESOURCES**

   4.1. Staff

   4.2. Staff development

   4.3. Funds and equipment

5. **TRANSPARENCY AND DOCUMENTATION**

   5.1. Module description

   5.2. Diploma and Diploma Supplement

   5.3. Relevant rules

6. **QUALITY MANAGEMENT: QUALITY ASSESSMENT AND DEVELOPMENT**

   Quality management: quality assessment and development

ASIIN Subject Specific Criteria

TC 01 - Mechanical Engineering and Process Engineering

TC 02 - Electrical Engineering and Information Technology

TC 03 - Civil Engineering, Surveying and Architecture

TC 04 - Informatics / Computer Science

TC 05 - Physical Technologies, Materials and Process Engineering

TC 06 - Industrial Engineering

TC 08 - Agriculture, Nutritional Science and Landscape Architecture

TC 09 - Chemistry

TC 10 - Life Sciences

TC 11 - Geosciences / Geography

TC 12 - Mathematics

TC 13 - Physics

TC 14 – Medical → WFME

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Terima kasih

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