

Higher Education Information Systems 2

System Specifications/System Design
for Croatian Higher Education
Information Systems

In-house Seminar
CARDS 2003
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Information and Quality Assurance

- Information that is thought to be **self-knowledge** (self-report)
- Information that is thought to **inform the evaluators**

Information and Quality Assurance

- Should the information be generated and **updated** only for the quality assurance procedures?
- Shouldn't it be available permanently as so-called **self-knowledge** of those being responsible for the educational processes?
- Shouldn't this be the same information to be provided permanently to the **stakeholders** of the educational processes?

MOZVAG Restrictions

- Only process support (workflow system)
- Information on study programmes only in non-structured text files
- Few data, few quantitative data

MOZVAG Benefits

- MOZVAG is a national level information system
- MOZVAG is a Study Programme Register on national level
- MOZVAG is accepted as a national level information system
- MOZVAG is filled in the course of legally based processes
- MOZVAG has proved to be a useful tool for QA processes

What the new system should achieve:

- Contain and present homogeniously structured **qualitative** and **quantitative** information about the **study programmes**
- Contain and flexibly present in reports **quantitative data on higher education**, i.e. on input, processes and output of study programmes, Faculties and Higher Education Institutions

QA Process Support &
Document Archive
(MOZVAG 2)

Study Programme Register
(PR)

Higher Education Data Base
(HEIS)

E.g. Evaluation and
Accreditation Reports

Qualitative Description of the
Programme

Data about:

- Staff
- Students (applicants, newly enrolled, enrolled, graduates, deregistering)
- Finances
- Space
- Course and Module Examination

The Module Structure of the
Programme:
Curriculum Plan

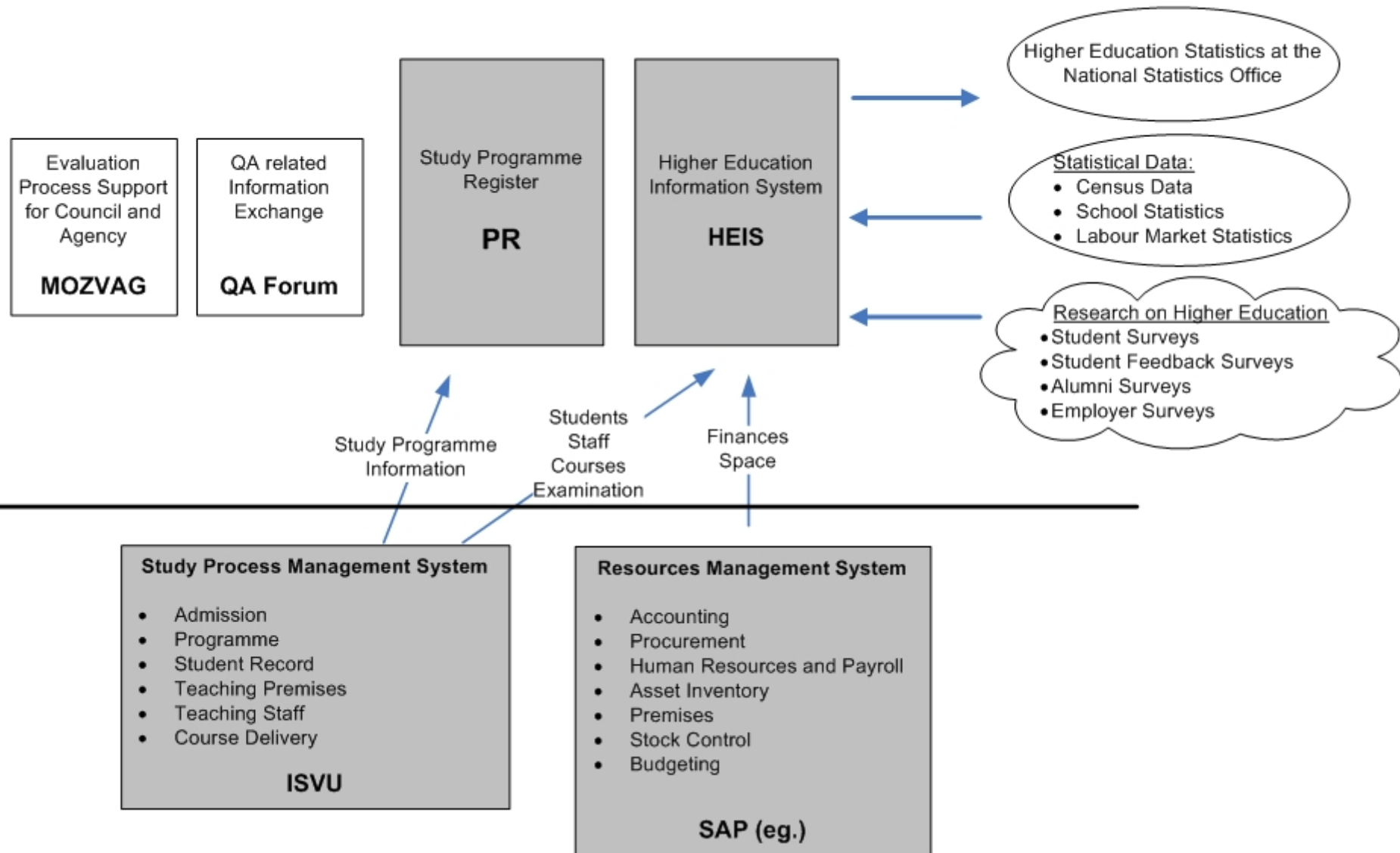
**Flexible Report
Generator**

Reports
(quantitative data)
about the Programme

Reports
(quantitative data)
about faculties, HEIs,
the Higher Education
System

System Overview

Overall Concept for Higher Education Information Systems in Croatia



Study Programme Register (PR)

- To inform the potential **students** in competition for the best high school graduates to enrol in the respective programme/institution
- To inform potential **employers** of the graduates in order to facilitate the employment of the graduates

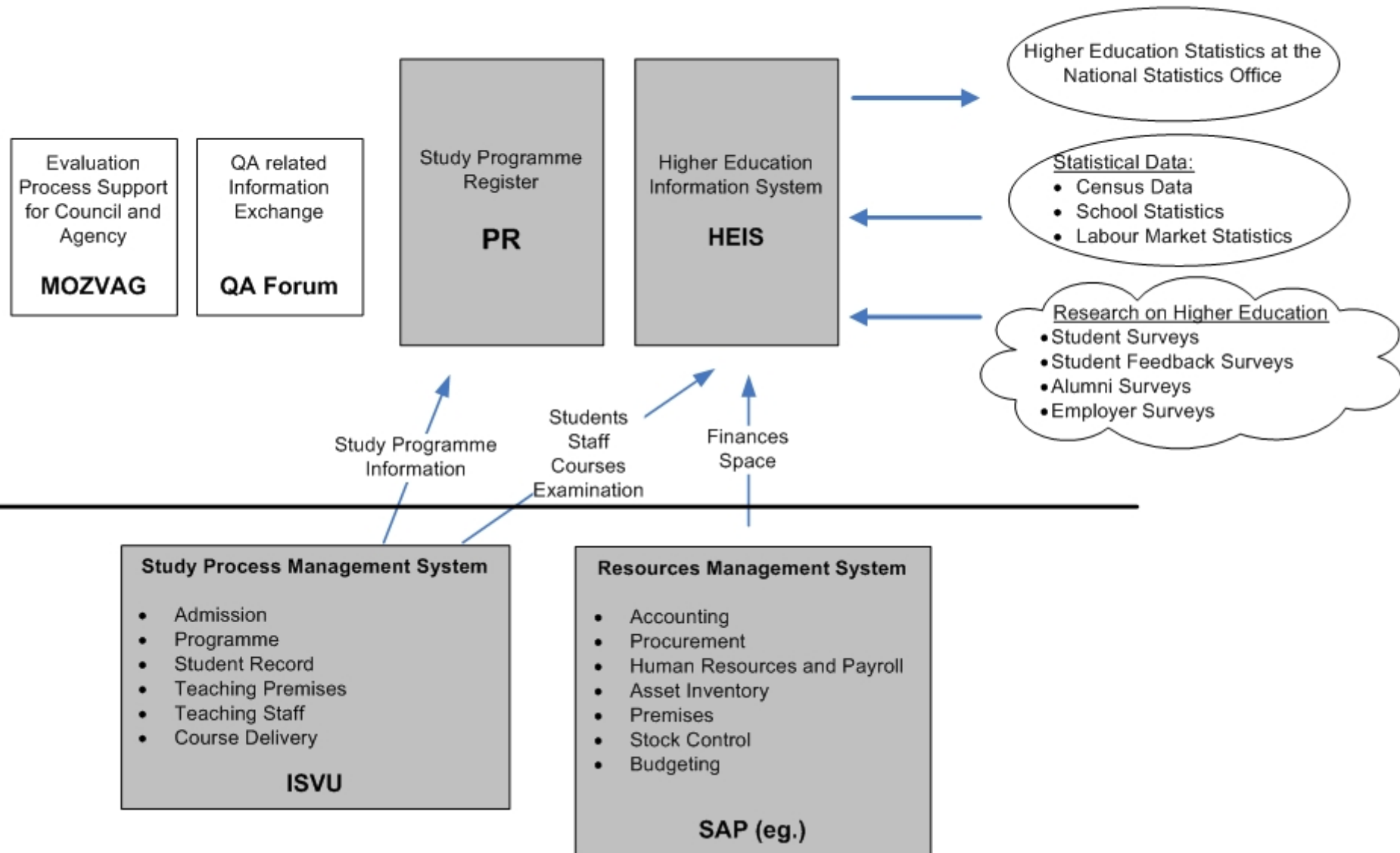
Higher Education Data Base (HEIS)

- Contain **data** about staff, students, finances, space, courses, examinations
- Flexible **report generator**
- Provide **accountability** information
- Inform the **general public**
- Provide the Central Bureau of **Statistics** with Higher Education Data
- Provide **Council** and **Ministry** with decision related information

Students?:

- Applicants
- Newly enrolled students
- Enrolled students
- Graduates
- Deregistering students

Overall Concept for Higher Education Information Systems in Croatia

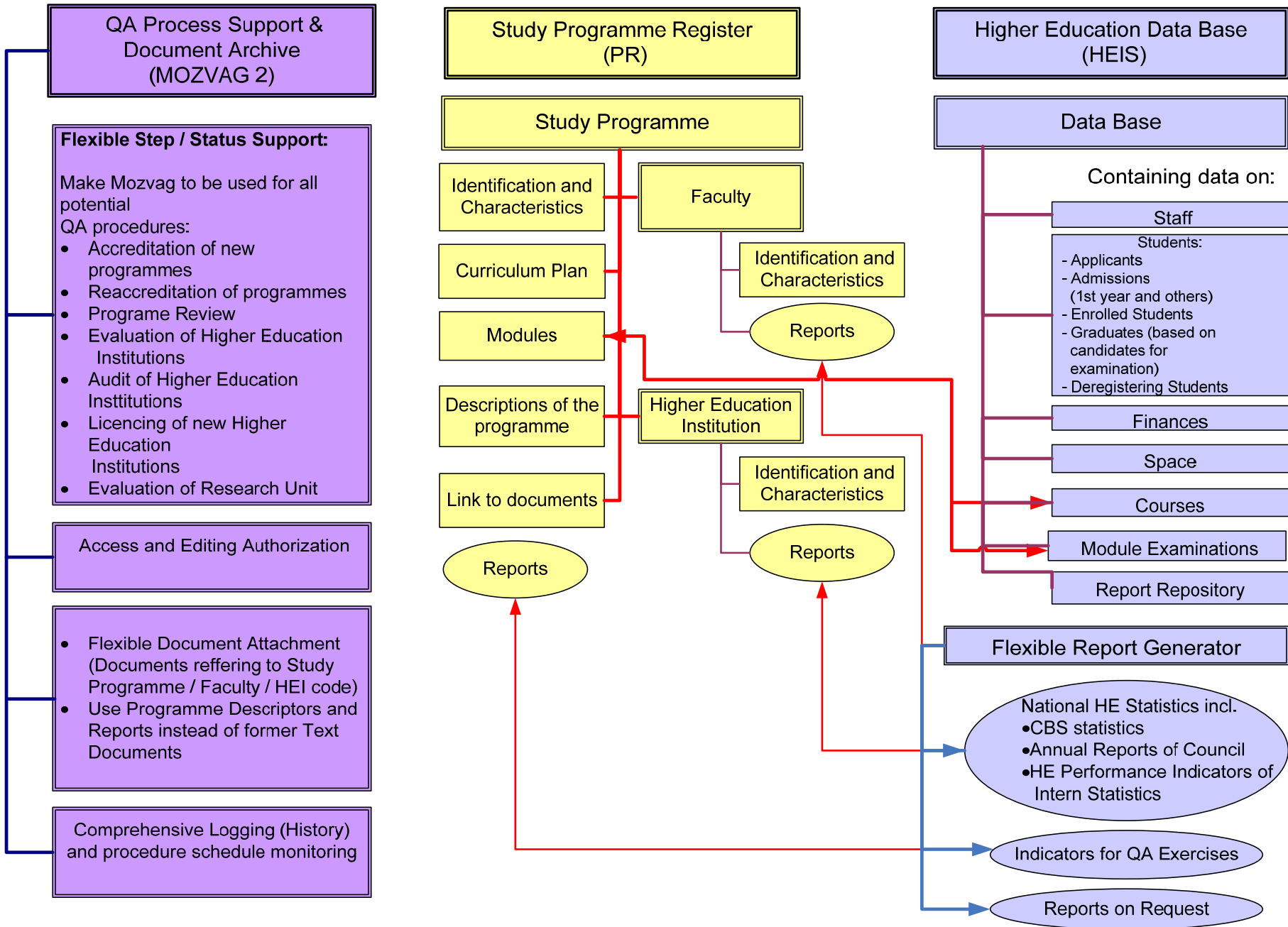


QA Process Support (MOZVAG 2)

- To help the Agency, the Council and the Higher Education Institutions to jointly **manage the QA processes** as efficiently as possible
- To make the relevant QA related **documents** accessible

Before Development starts: To-do-List

- Write **System Specifications/System Design** (including data flow definitions)
- Achieve consensus about system functionality
- **AZVO** having the assignment of the **responsibility** for the system
- Consensus with HEIs to fill Study Programme Register
- Consensus with HEIs to deliver data to HEIS
- **Legal basis** for the obligation of HEIs to fill PR and feed HEIS
- Financial commitment of the Ministry
- Contract for the development of the system
- **Detailed System Design** together with developer



Information Units Hierarchy

- A **Higher Education Institution** consists of Faculties
- **Faculties** offer Study Programmes
- **Study Programmes** consist of Modules
- A **Module** can be studied and is offered in a concrete semester or more than one semester in the form of Courses
- A **Course** may be a **lecture** and/or a **seminar** and/or **exercises**

Study Programme Register

- Identification and Characteristics of the Programme (see handout)
- Description of the Programme (see handout)
- Curriculum Plan (see here)
- Module Description (see handout)
- Study Programme related reports (see handout)
- Reports for the QA procedures (see handouts)

Curriculum Plan of the Programme

Module		Weekly Hours per type of course and semestar										Total hours per semestar week	Type of assessment / exam for Module	Credits											
		1		2		3		4		5					6		7		8		9		10		
Code	Title	L	S	E	L	S	E	L	S	E	L	S	E	L	S	E	L	S	E	L	S	E	L	S	E
	Compulsory Modules																								
	Elective Modules																								
Total hours weekly																									
ECTS credits compulsory																									
ECTS credits elective																									
ECTS credits total																									

Description of options with regards to elective courses

Abbreviation:

L: Lecture

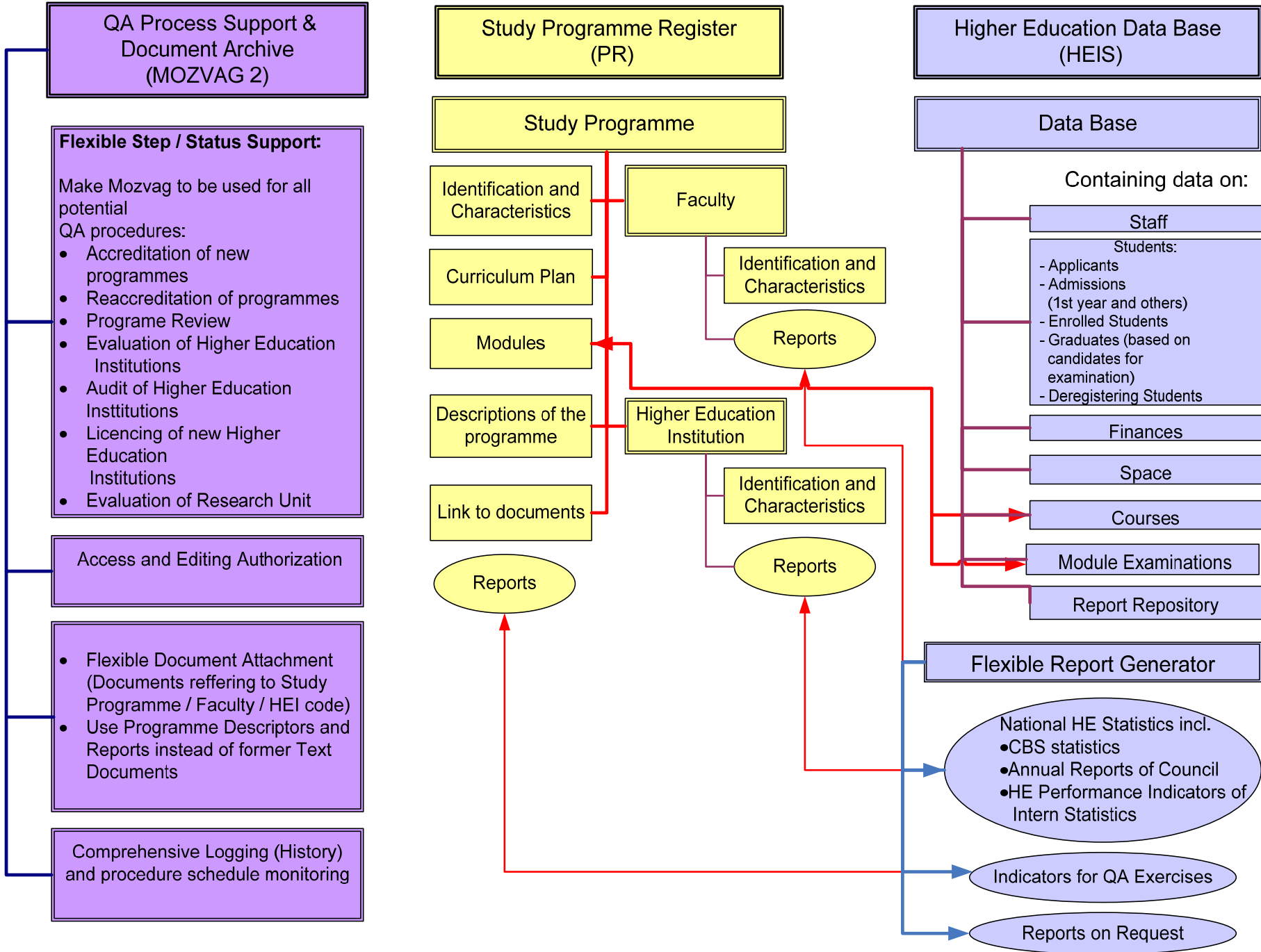
S: Seminar

E: Practical Exercise

} maybe more options

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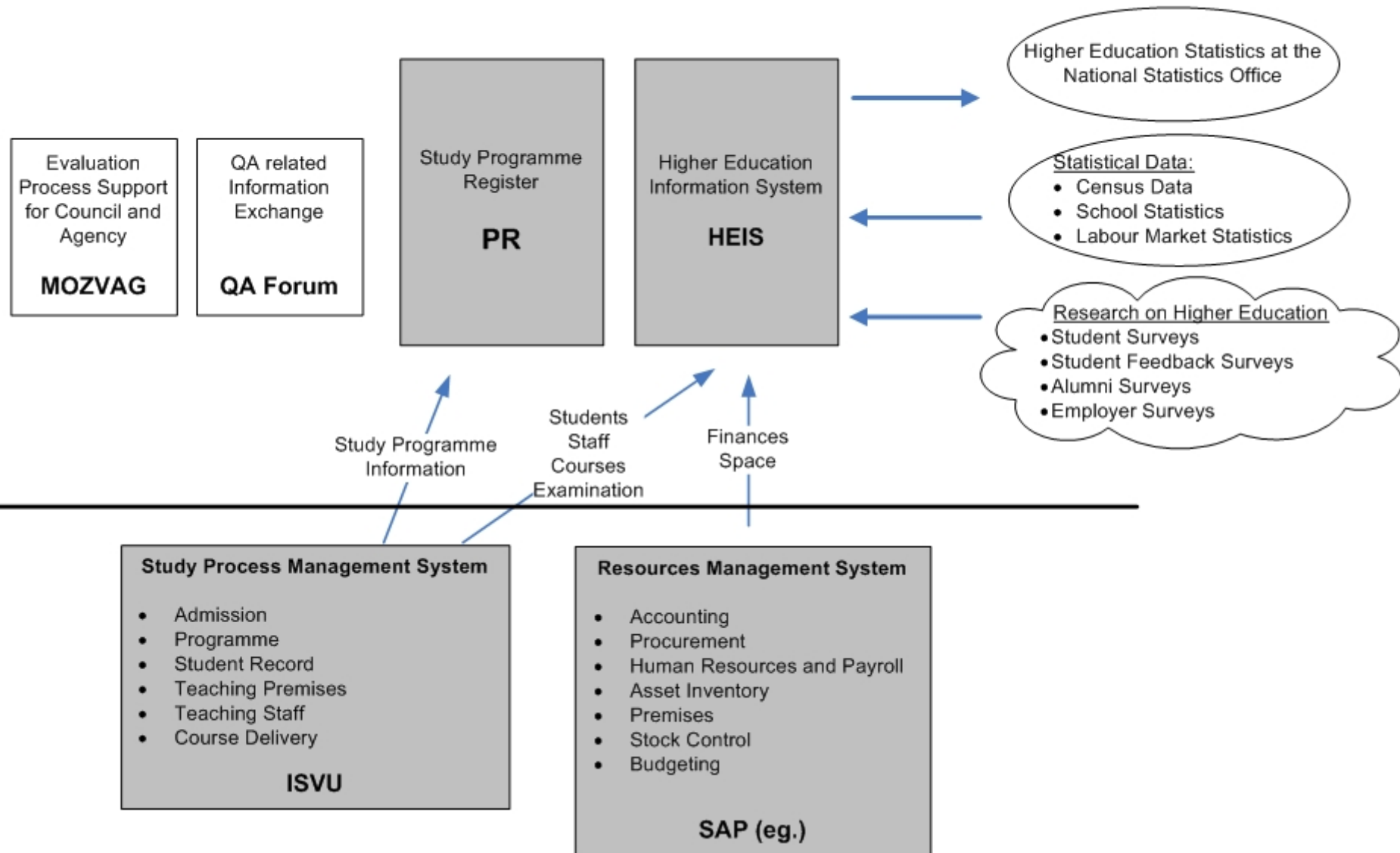
Student records

- Example see handout

All Programme Identification fields in the students records have to be subdivided:

<p>Main Programme (main in the sense, that in this student record it is reported about the student applying or being enrolled in this programme)</p>	<p><u> Programme Code </u></p>
<p>Main Programme consisting of: (in case of possible combinations):</p>	
<p>Partial Programme 1:</p>	<p><u> Programme Code </u></p>
<p>And</p>	
<p>Partial Programme 2:</p>	<p><u> Programme Code </u></p>
<p>Second Programme:</p>	<p>Programme Code (just for information that the student is enrolled also in another programme. This field is empty, if this is not the case. In case this field is filled, then a second student record exists, where this programme is the main programme)</p>

Overall Concept for Higher Education Information Systems in Croatia



QA Forum

- There should be a broad information base related to QA
- The Forum discussion should be initiated by the Agency
- The open question and answer part of the platform should be guided by the Agency

QA Forum: Information Base

- News
- Calendar of events
- Laws and regulations
- Procedures and forms
- Activities of Council and Agency
- Annual Evaluation plan
- Description of Croatian QA experiences
- Foreign Experiences
- Link to Croatian HEIs
- International Links
- QA in the Corporate World
- Literature Pool

QA Forum: Theme related Forum

- Work in Progress
- Student Surveys
- Teacher and courses evaluations
- Monitoring student progress
- Use of ISVU for QA
- How to generate data on length of studeies, drop-out, success rates, retention/attrition
- Assessment of educational outcomes
- Curriculum development
- Establishing alumni links
- Labour market studies
- What is self-knowledge
- Indicators for educational quality?
- Organize institutional QA
- SWOTs analysis
- QA and strategic planning

QA Forum: Q&A Forum

Guided by the Agency

That 's it, Thank you