



Student management with HISinOne – a status report

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- **The University of Duisburg-Essen**
- **HIS & the HEI software HISinOne**
- **Motivation**
- **Timeline**
- **Technical infrastructure**
- **Demo**
- **Lessons learned**

Main Research Areas

- Nanosciences
 - Biomedical Sciences
 - Empirical Research in Education
 - Urban Systems
 - Change of Contemporary Societies
-
- Students: ca. 39,000
 - Focus: education of teachers

About the University of Duisburg-Essen

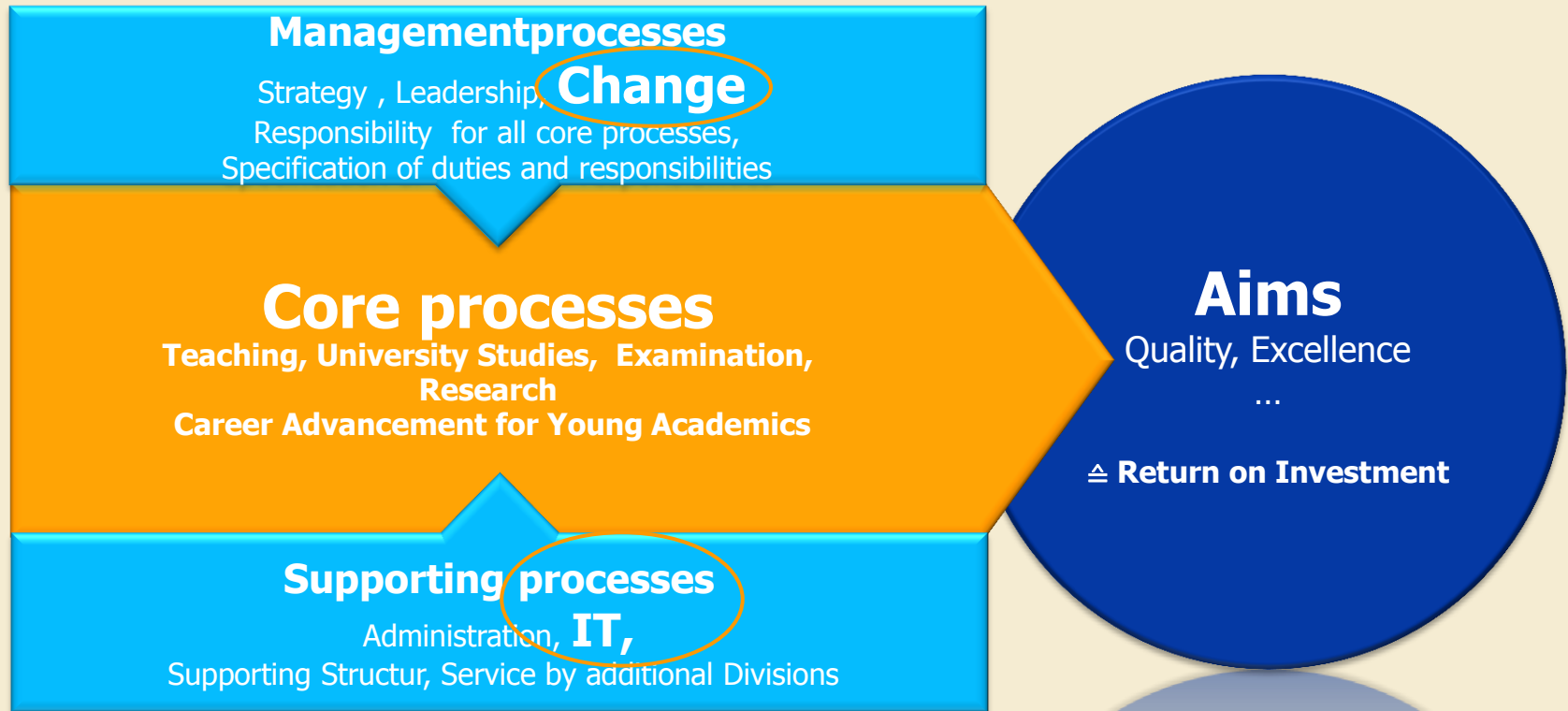
Open-Minded



Creative inspiration between the Rhine and Ruhr: the University of Duisburg-Essen (UDE) is located in the European region with the highest density of institutions of higher learning. Created in 2003 by the merger of the universities of Duisburg and Essen, the UDE is the youngest university in North Rhine-Westphalia and one of the ten largest universities in Germany.

Changemanagement at the UDE

A close partnership between IT and Organisational Development (OD)



How can OD and IT cooperate in order to develop and optimize the core processes?

... close interaction of OD and IT ...

HIS

- Company founded 1969 in Hannover
- Software development for HEI administration software

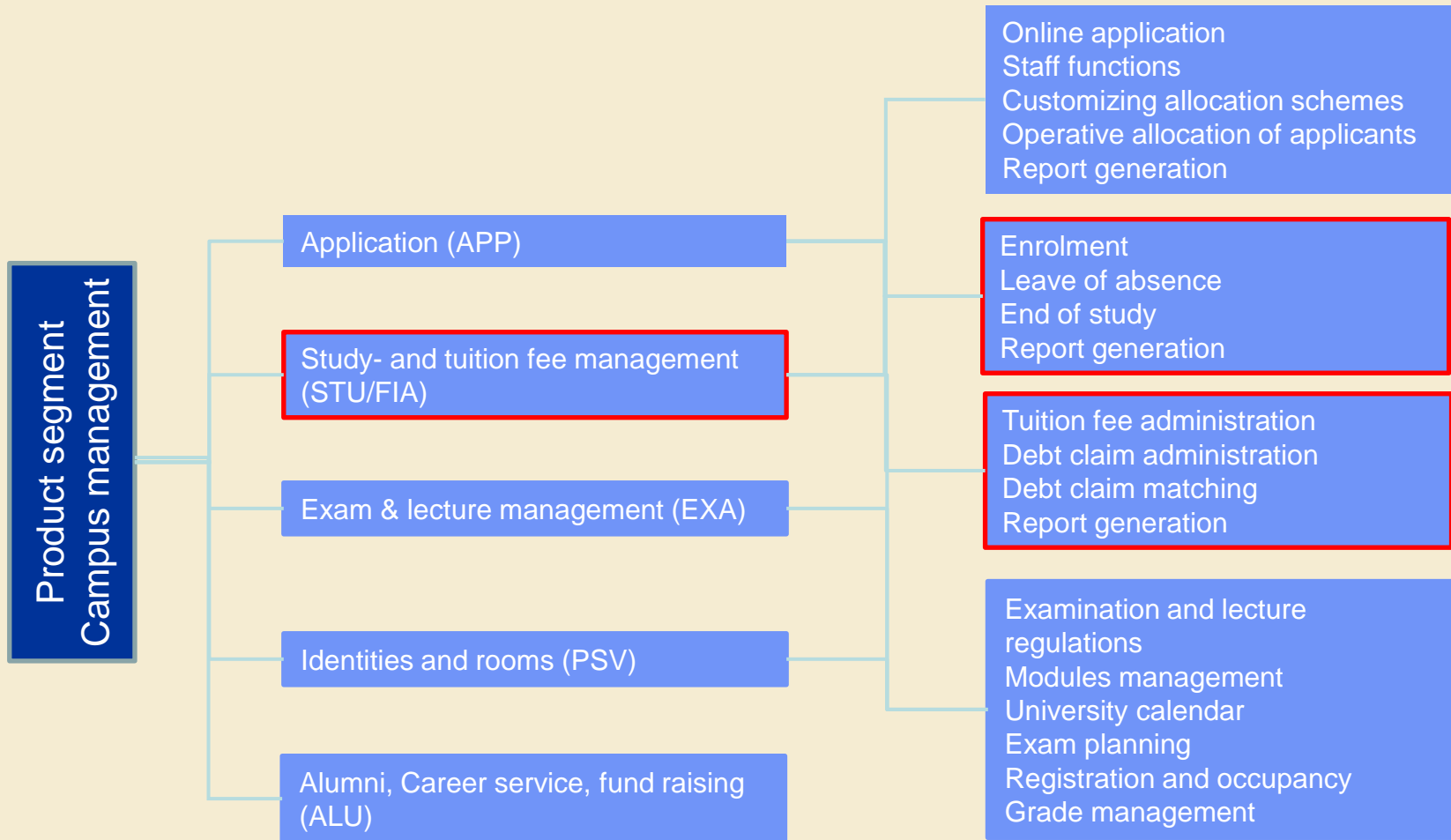
HISinOne

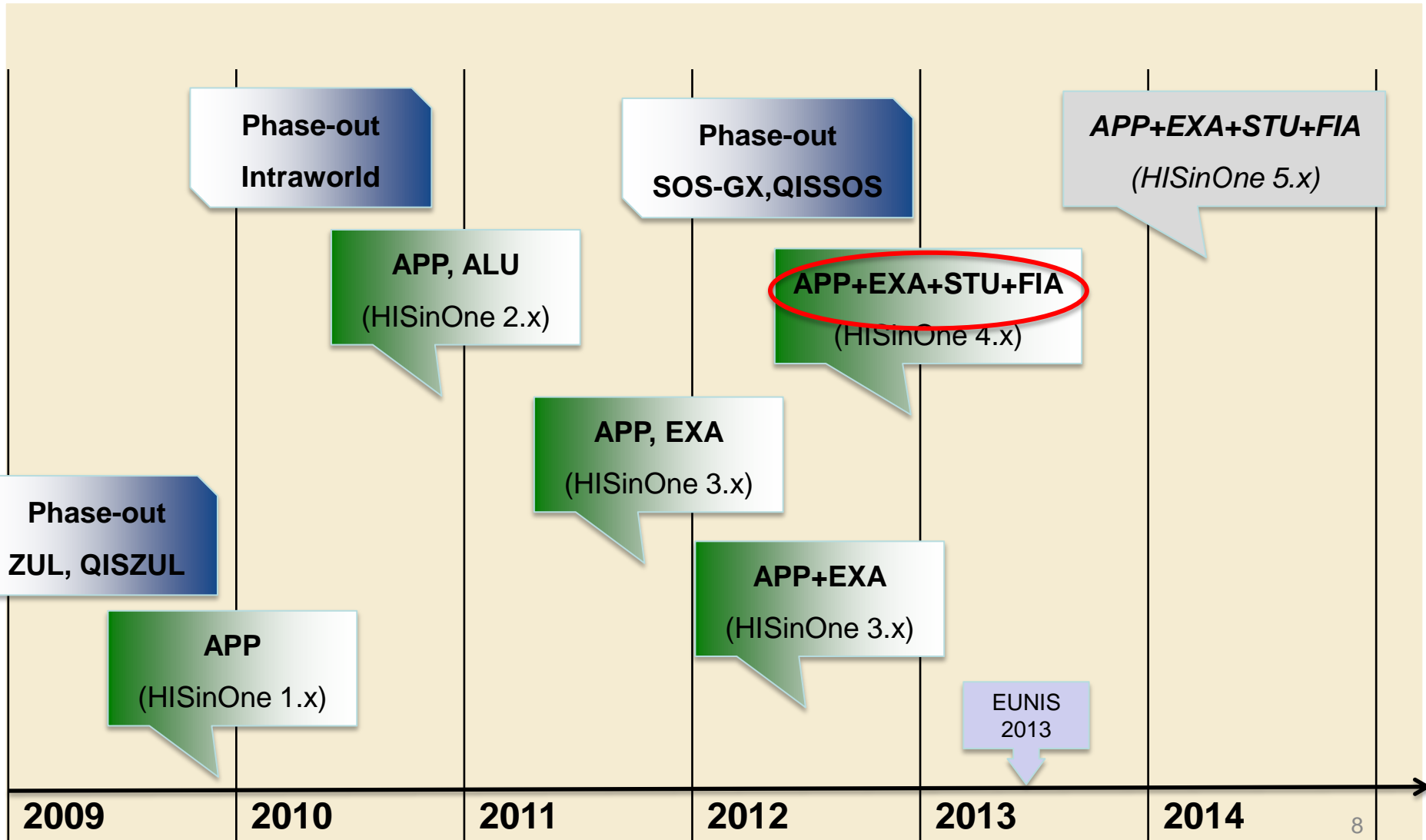
- Latest HIS software product generation
- Holistic Campus Management IT system
- Technically & functionally integrated
- Web-based
- Configurable rights & roles concept
- Runs on Java, Tomcat, Postgresql

2008: UDE takes decision to migrate to HISinOne platform

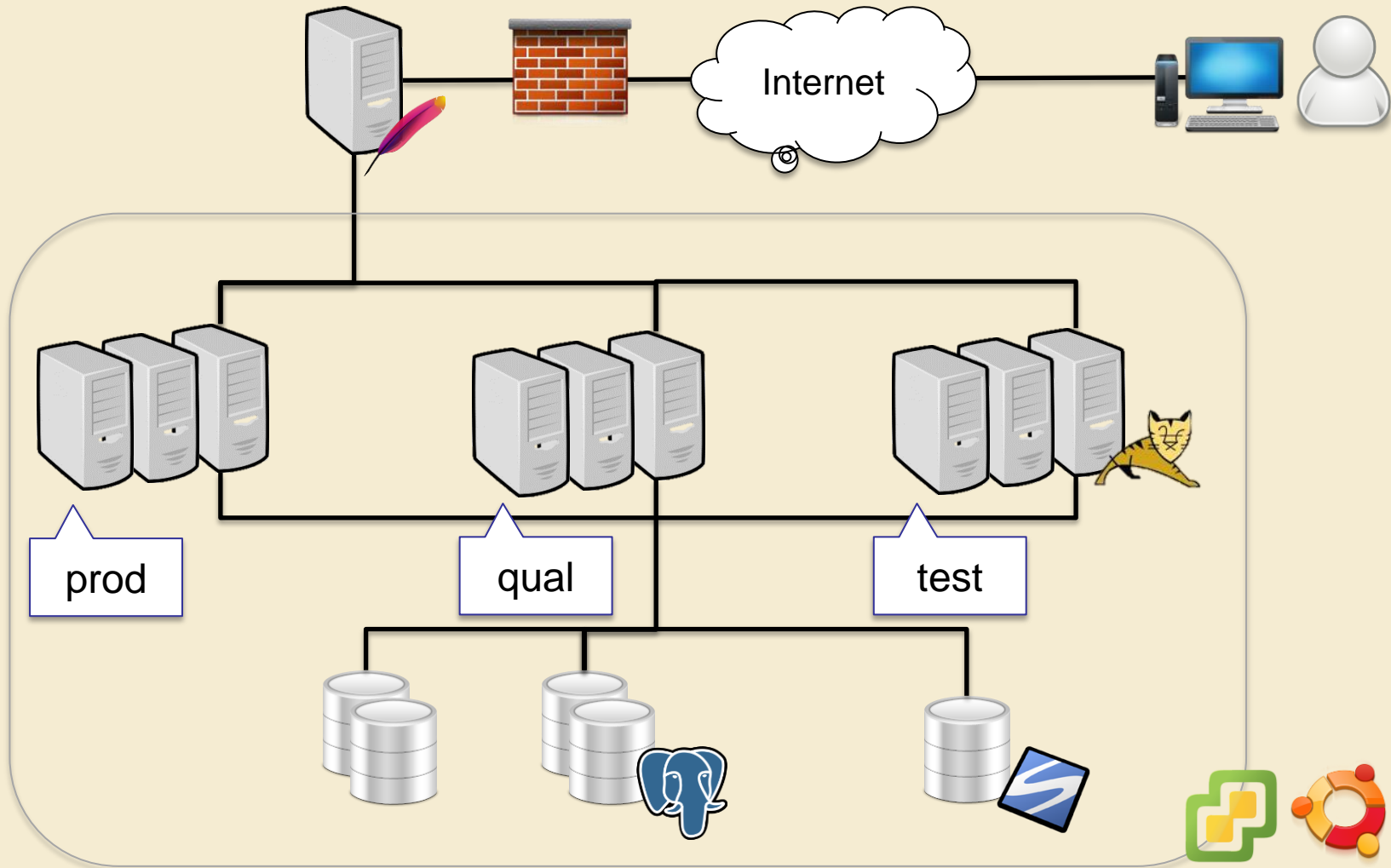
HISinOne 

- In 2012: Former german „Staatsexamen Lehramt“ replaced by „Bachelor/Master of Education“ for new enrolment
- Exam organisation and management transferred from public agency („Landesprüfungsamt“) to universities
- Latest generation of HEI IT system HISinOne better suited for managing B.of Ed. courses of study (polyvalencies etc)





HisInOne server/network environment



- Identity Management (IdM)
- Bank
 - MT940 (account statement)
 - DTAUS (direct debit)
 - Sepa planned
- Uni-Assist (International Office)
- Student loan office („*Bafög-Amt*“)
- ConjectFM (facility management system)

HISinOne STU (study management)



- ~1900 new enrolments
- 80+ guest students

HISinOne FIA (fee management)

- 29.002 fees processed via direct debit scheme / 143 DTAUS files
- 11.619 bank transfers / 98 MT940 (account statement) files

Applicant transfer (for enrolment) 1-2

Transfer an applicant

Search for applicants

Search Reset ⓘ

Search For Personal Data

Applicant No.

Matriculation No.

Bew-Nr. (AAA)

Surname

First name

Nationality =

Date of enrollment

Adress Information

Street

Postal Code

City

State =

Contact Details

E-mail

E-Mail (specific)

Phone

Search Reset

Save Search Criteria

Search Semester and Study Status

Status =

Term type =

Term year

Search For Applications

Degree =

Subject =

Major field of study =

Course specialization =

Subject indicator =

Type of study =

Place of studies =

Form of studies =

Enrollment =

Department =

Prüfungsordnungsversion =

Applicant transfer (for enrolment) 2-2

Transfer an applicant

Frau Annette Arndt | applicantnumber 9699 | Registrierungsnummer 3002583 | Haupthörer | Neueinschreibung zum Sommersemester 2013

Information:

- A valid simple course of study was selected.

Save as Applicant Save as student Back to Search Result Reset New Search Einfache Auswahlmenüs

SoSe 2013

Overview Contact Details University-Entrance Qualification Health insurance Fees External Studies Locking Study history Examinations Reports Follow-up Further data

Person

Registrationnummer 3002583

* Surname Arndt

* First name Annette * Gender W

* Date of birth 12/22/199

* Place of birth Essen

* Nationality SYR Syrian

Enrollment

* Date of enrollment 06/10/201

Health insurance

* Status of insurance

Company number

Agency

Health insurance number

University Entrance Qualification (UEQ)

University Entrance Qualification does not exist yet.

Communication

* Adresstag semester semester

* Street Karolinger Str. 109

Postal code 45326

* City Essen

Country D Germany

An e-address does not exist yet.

Home / Semester District

* Country of Home District D Germany

* Home district

Person attributes

* Name

Valid from 06/10/201


Valid to 12/31/210

delete attribute Enter new attribute

Enrolment (fresh(wo)men only)


Enrollment

Save as student Reset Einfache Auswahlmensüs 

WS 2013/14 


Overview Contact Details University-Entrance Qualification Health insurance Fees External Studies Locking Study history Examinations Reports Follow-up Further data


Person

* Registrationnumber
 [generate new registrationnumber](#)

* Surname


* First name * Gender

* Date of birth 


* Place of birth 

* Nationality


Communication


* Adresstag 

* Street

* Postal code 


* City

Country 


Phone 

Email

Enrollment

* Date of enrollment 

Fees

 No invoice lines are created.

University Entrance Qualification (UEQ)

* Point in time of UEQ

Country 

* District

* Type 

Type of Education 

Degree Programs

Degree 

Studiensform 

Edit student's data

Edit data of a student

Frau Aisling Arndt | Registrationsnummer 2253807 | Haupthörer | Rückmeldung zum Sommersemester 2013

Save Back to Search Result Reset New Search Einfache Auswahlmenüs

Reregistrate Cancellation reregistration Leave absence Remove from study Reenroll Delete Import application

Overview Contact Details University-Entrance Qualification Health insurance Fees Requests External Studies Locking Study history Examinations Reports Follow-up Further data

Person

* Registrationnummer

* Surname

* First name * Gender

* Date of birth

* Place of birth

* Nationality

Enrollment

* Date of enrollment

University Entrance Qualification (UEQ)

* Point in time of UEQ

Country

* District

* Type

Grade

Type of Education

Communication

* Adresstag

* Street

* Postal code

* City

Country

Phone

Email

Reports fast access

Sommer 2013
 Winter 2012/13
 Sommer 2012
 Winter 2011/12
 Sommer 2011
 Winter 2010/11
 Sommer 2010
 Winter 2009/10
 Sommer 2009
 Winter 2008/09

[Kennung \(HRZ-Bescheid\)](#)
[Studienbescheinigung](#)
[Überweisungsträger StudSek](#)

Fees

[Edit table](#)

Period	To pay	Obligatory	To pay fac.	Paid	Saldo	Request for loan
20132-SZ	258.62 €	258.62 €	0.00 €	0.00 €	-258.62 €	<input type="button" value="−"/>
20131-SZ	268.62 €	268.62 €	0.00 €	268.62 €	0.00 €	<input type="button" value="−"/>
20122-SZ	0.00 €	0.00 €	0.00 €	0.00 €	0.00 €	<input type="button" value="−"/>

Degree Programs

FS	Vert.	FK	Actions

Re-registration (starting with 2nd semester, student's view)

Reregistration

[Save debit order](#) [Lastschriftauftrag löschen](#) [Now reregistration to 20131-SZ](#)

Information for online reregistration

★ Helptext ...

Current reregistration period for


Period  Sommersemester Term year

You are for Wintersemester 2012/13 reregistred.

Sales invoices - Sommersemester 2013

Sales invoice number	Due date	Debit	Credit	Invoice lines
stu_50663251	03/05/2013	10.00 €	0.00 €	
stu_50386545	03/04/2013	258.62 €	0.00 €	

Amount

Search result: 2 records | Row count 

Debit amount Credit amount

Debit order - Sommersemester 2013

Debit amount:

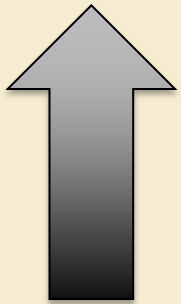
* Account number

* Bank routing number 

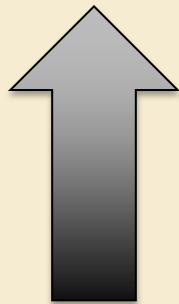
Bank name

[Save debit order](#) [Lastschriftauftrag löschen](#) [Now reregistration to 20131-SZ](#)

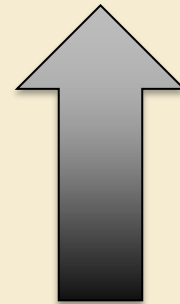
Data quality



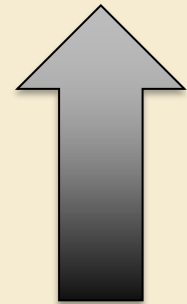
Data migration scripts



Data remigration scripts



Software issues (aka bugs)



User-generated issues (aka features)

Determining factors

Around 160 tickets/requests open for STU/FIA, including:

- Bank collection (direct debit scheme) also available for first-time enrolment
- Improved readability/handling of logs
- Optimized workflow automatisiation

- Changes in schedule of fees not recommended during enrolment and re-enrolment phase
- Changes in schedule of fees imply a complete fee recalculation procedure (takes several hours...)
- Changes in schedule of fees must be thoroughly tested for correctness and implications (e.g. re-enrolment, leave of absent, student with multiple status, etc.)
- And: Mind your data quality!

Thanks for your questions and your attention

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