

Digitalization the life-cycle of the doctoral student from the application to the dissertation:

*University of Turku Graduate School
Information system (UGIS)*

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16th of June, 2017



Turun yliopisto
University of Turku



ACADEMIC TRADITIONS IN TURKU SINCE 1640

University of Turku

Founded in 1919

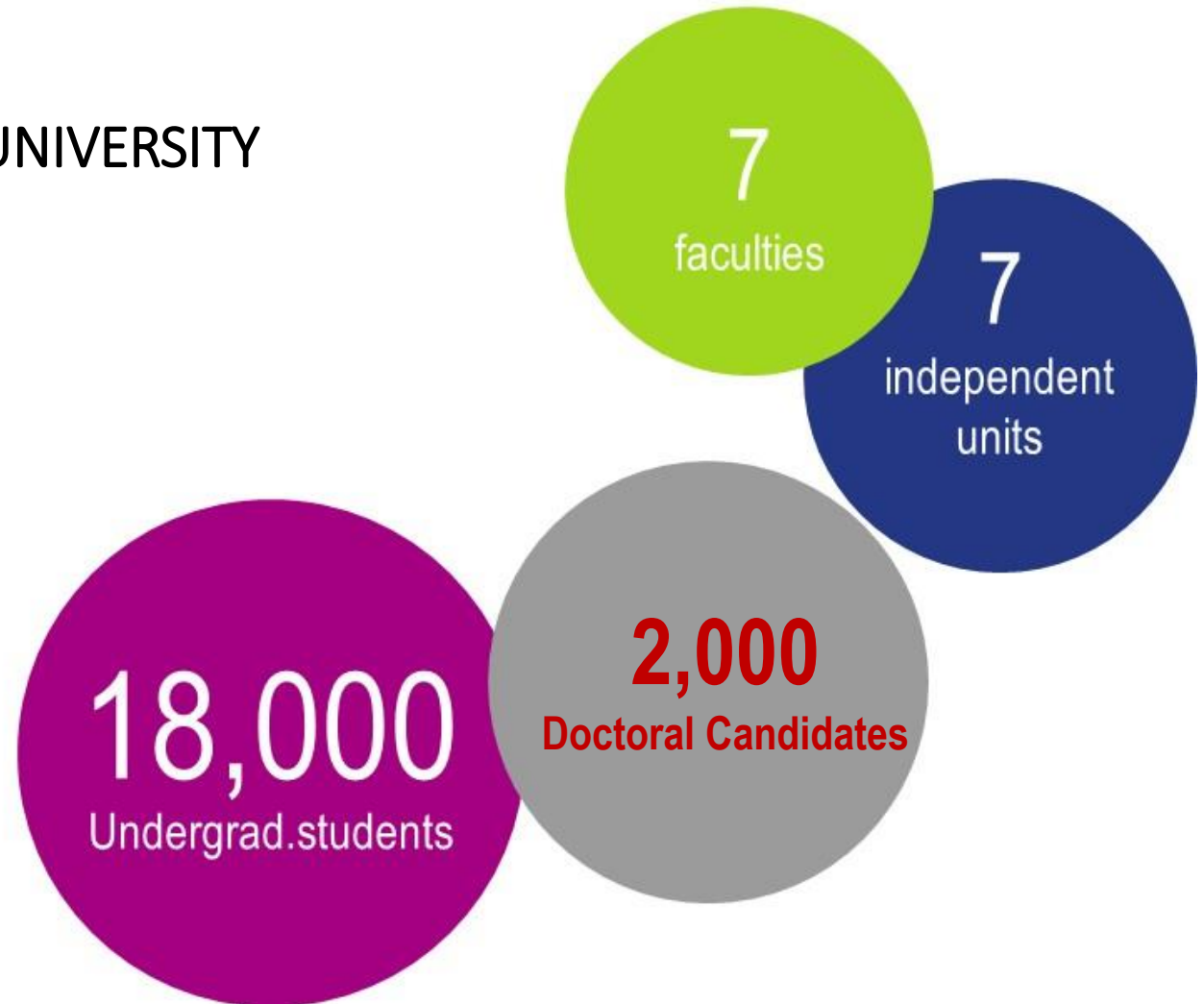
MULTIDISCIPLINARY AND
INTERNATIONAL RESEARCH UNIVERSITY



Turun yliopisto
University of Turku

UTU Graduate School

- Since 1.8.2012
- 16 Doctoral Programmes
- 175-180 PhD Degrees/ year



Motivation for Digitalization

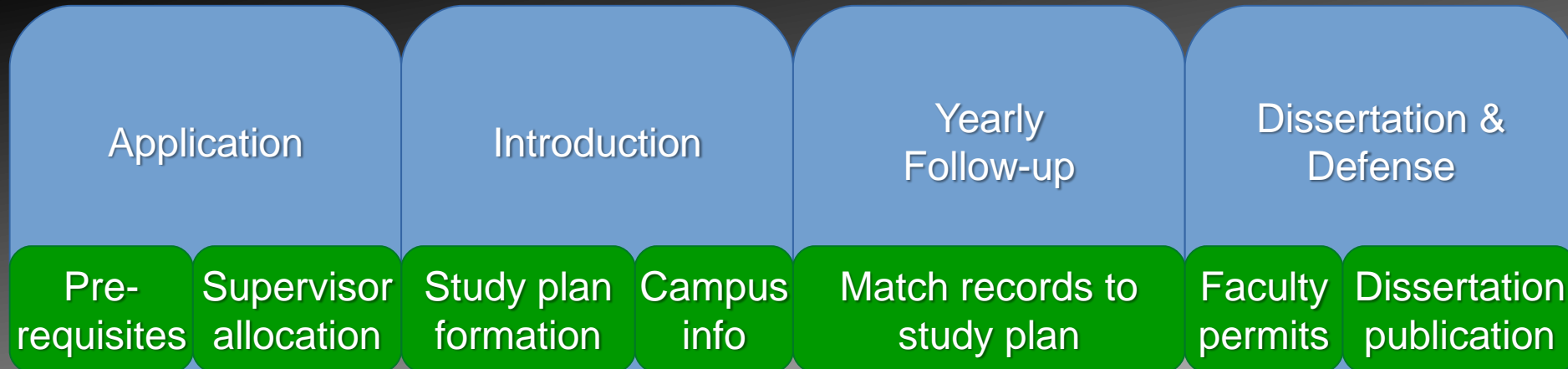
- Optimize system usage for all stakeholders
 - Remove manual repetition
 - Provide portal to find relevant systems
- Enable unrestricted reporting
- Relevant data scattered in multiple systems needs to be linked together to form required reports (integration)

The aims of the University of Turku Graduate School Information system (UGIS) project

- Build a life-cycle that covers all relevant events for a doctoral candidate
- Map existing systems to life-cycle events
- Digitalize the life-cycle
- Provide the digital life-cycle as a service

1) Build a Life-cycle of Relevant Events

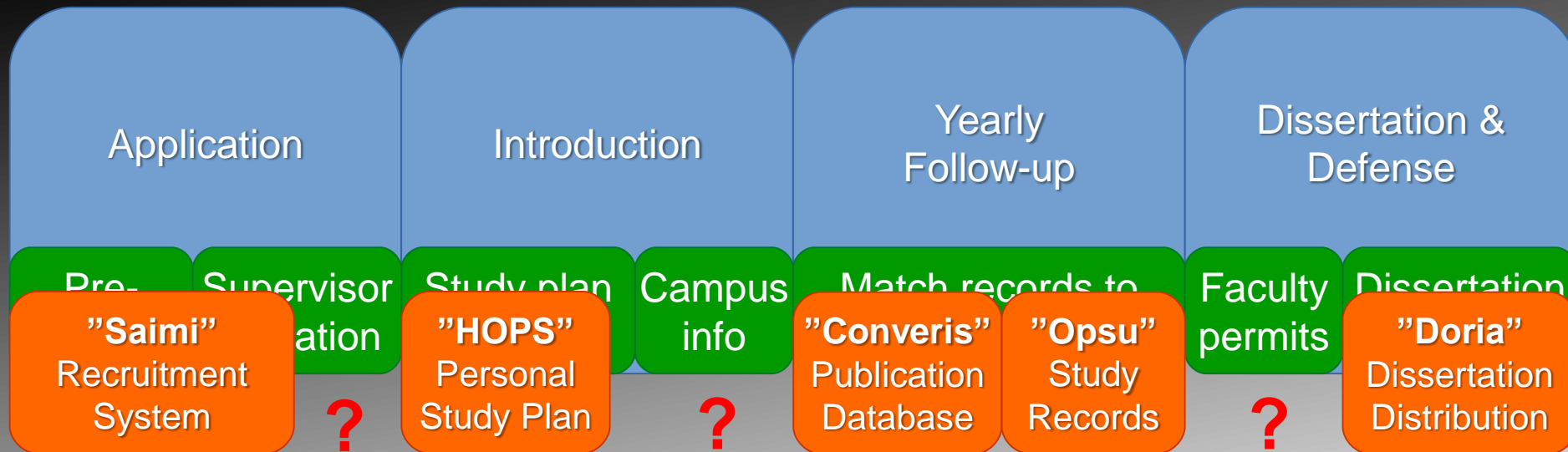
- Gather information from experts
→ Workshops with doctoral school coordinators



1) Build a Life-cycle of Relevant Events

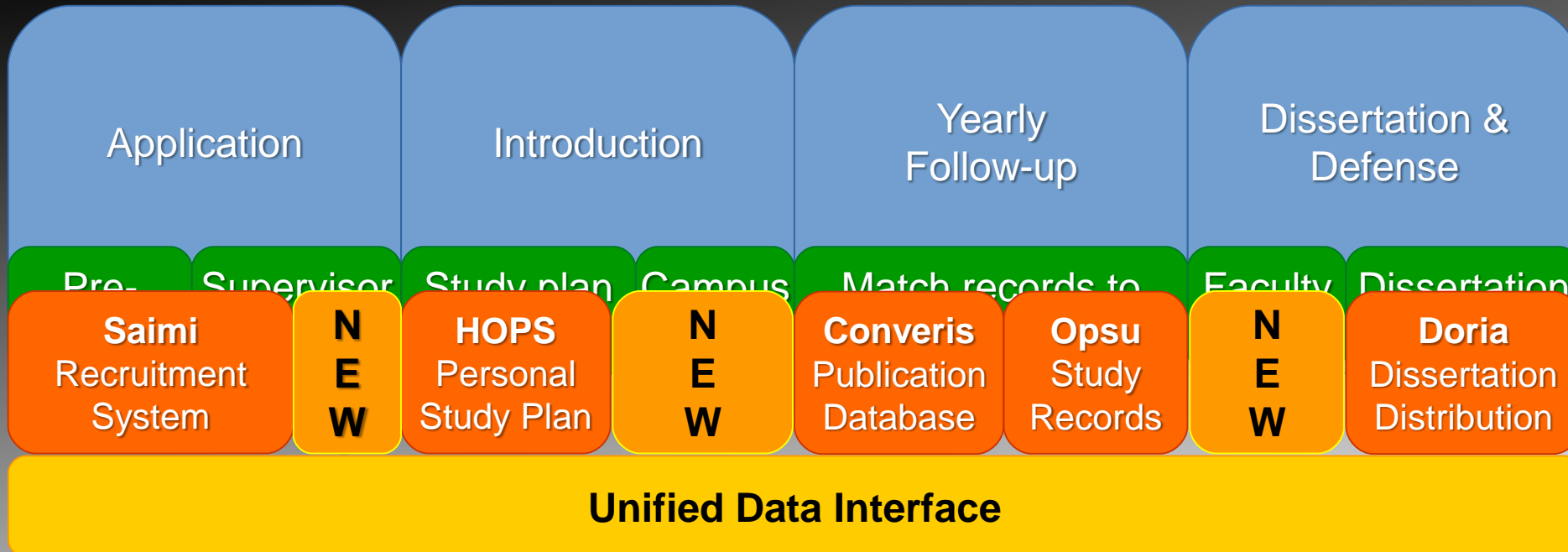
2) Map Existing Systems to Life-cycle

- What information already available? How accessible?
- For which events is no information gathered?



3) Digitalize the Life-cycle

- Design a data structure and interchange format capable of accommodating multiple systems
- Link existing systems with this format
- For missing events, device new systems





UGIS portal provides the Life-cycle as Service

- Modern software technologies to realize the service
 - 1) Intuitive to use
 - Co-develop with end-user
 - Does not interfere with existing processes
 - Reflects the states of linked, existing systems
 - 2) Device independent access
 - Mobile phone etc.

UGIS – University of Turku Graduate School Information System

User Roles:

- 1) Doctoral Candidate
- 2) Supervisor / Steering group member
- 3) Coordinator/Faculty

1) Doctoral Candidate

1.1) Browse life-cycle

1.2) Interact with events

1.3) Review and update own information

1.4) Receive news

1.1) Browse Life-cycle

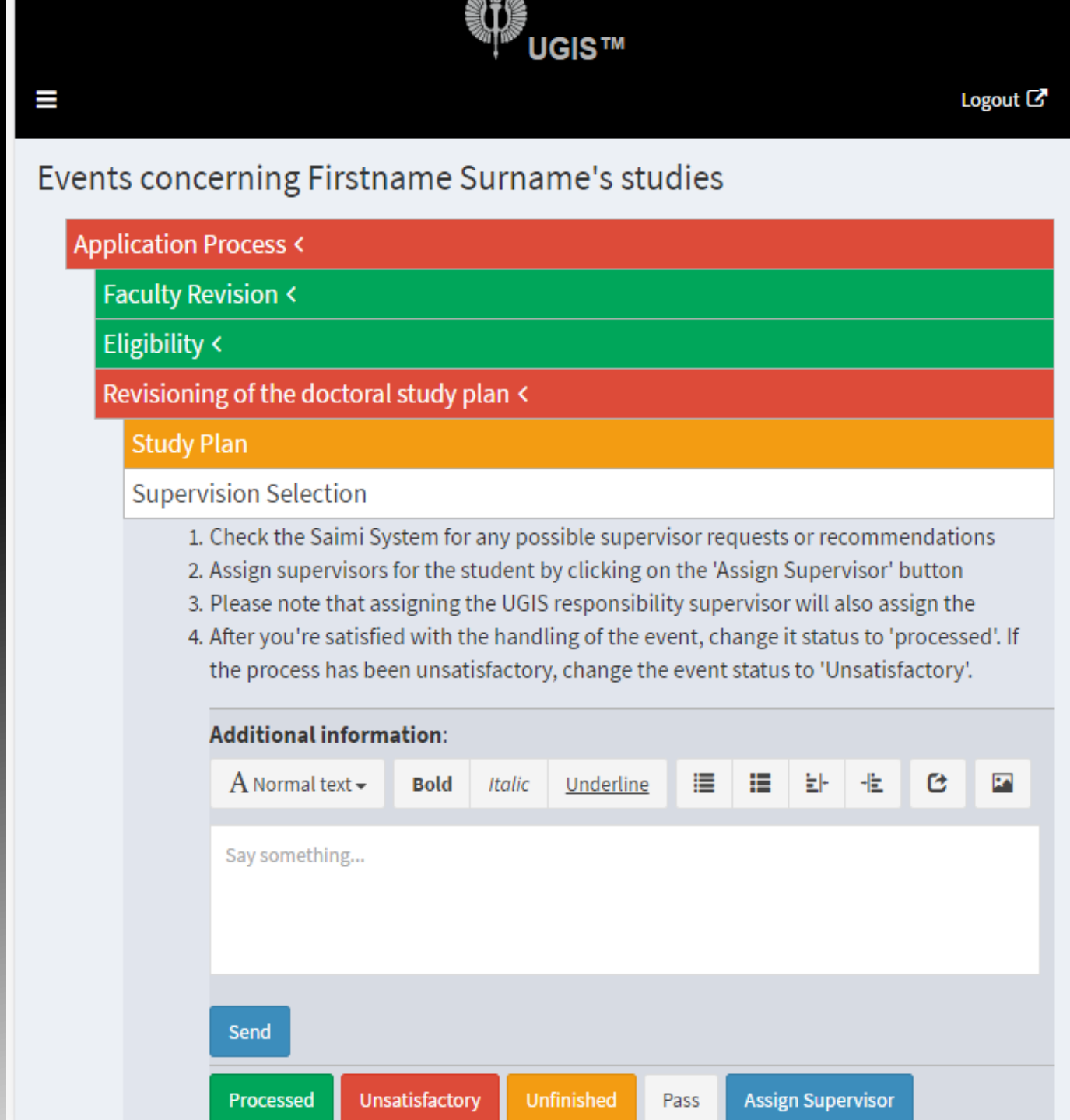
After being accepted, the student can browser his/her life-cycle

Events concerning Firstname Surname's studies	
Application Process <	
Faculty Revision <	
Request for Supplementary Information	
Information Check Up and Preliminary Elimination	
Eligibility <	
Language Proficiency	
Base Degree Check	
Revisioning of the doctoral study plan <	
Study Plan	
Supervision Selection	
Formation of the Monitoring Group	
Degree Programme and Research Field Selection	
Binding of the Research Unit and the Cost Unit	
Funding Plan	
Decision Regarding Salary Position	
Proposal for Granting the Study Right	
Decision <	
Acceptance of the Right to Study	

1.2) Interact with Events

1.3) Review Own Information

- Who is my coordinator/supervisor?
- How do I contact them?
- What is my study plan?
- Where do I review my grades?



UGIS™

Logout

Events concerning Firstname Surname's studies

- Application Process <
- Faculty Revision <
- Eligibility <
- Revisioning of the doctoral study plan <
- Study Plan
- Supervision Selection

1. Check the Saimi System for any possible supervisor requests or recommendations
2. Assign supervisors for the student by clicking on the 'Assign Supervisor' button
3. Please note that assigning the UGIS responsibility supervisor will also assign the
4. After you're satisfied with the handling of the event, change it status to 'processed'. If the process has been unsatisfactory, change the event status to 'Unsatisfactory'.

Additional information:

A Normal text ▼ **Bold** *Italic* Underline [List Icons] [Link Icon] [Image Icon]

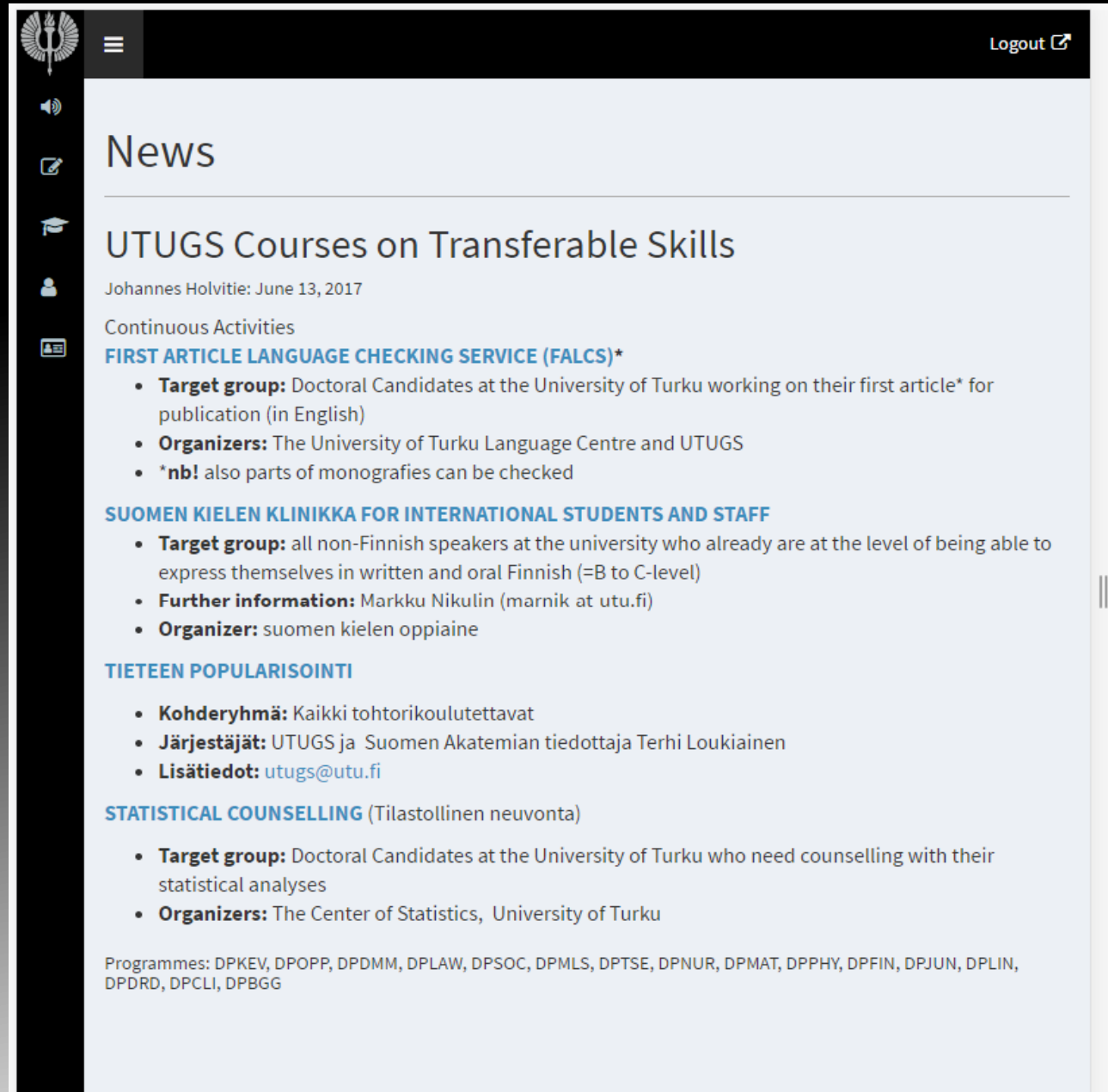
Say something...

Send

Processed Unsatisfactory Unfinished Pass Assign Supervisor

1.4) Receive News

Relevant, upcoming courses
and public defenses



The screenshot shows a web page titled "News" from the University of Turku Language Centre (UTUGS). The page has a dark header with a logo, a menu icon, and a "Logout" link. A vertical sidebar on the left contains icons for a speaker, a document, a graduation cap, a person, and a calendar. The main content area lists several news items. The first item is "UTUGS Courses on Transferable Skills" by Johannes Holvitie, dated June 13, 2017, under the category "Continuous Activities". It features a sub-header "FIRST ARTICLE LANGUAGE CHECKING SERVICE (FALCS)*" and a bulleted list of details. The second item is "SUOMEN KIELEN KLINIKKA FOR INTERNATIONAL STUDENTS AND STAFF", also with a bulleted list. The third item is "TIETEEN POPULARISOINTI" with a bulleted list. The fourth item is "STATISTICAL COUNSELLING (Tilastollinen neuvonta)" with a bulleted list. At the bottom, there is a list of program codes.

News

UTUGS Courses on Transferable Skills

Johannes Holvitie: June 13, 2017

Continuous Activities

FIRST ARTICLE LANGUAGE CHECKING SERVICE (FALCS)*

- **Target group:** Doctoral Candidates at the University of Turku working on their first article* for publication (in English)
- **Organizers:** The University of Turku Language Centre and UTUGS
- ***nb!** also parts of monographies can be checked

SUOMEN KIELEN KLINIKKA FOR INTERNATIONAL STUDENTS AND STAFF

- **Target group:** all non-Finnish speakers at the university who already are at the level of being able to express themselves in written and oral Finnish (=B to C-level)
- **Further information:** Markku Nikulin (marnik at utu.fi)
- **Organizer:** suomen kielen oppiaine

TIETEEN POPULARISOINTI

- **Kohderyhmä:** Kaikki tohtorikoulutettavat
- **Järjestäjät:** UTUGS ja Suomen Akatemian tiedottaja Terhi Loukiainen
- **Lisätiedot:** utugs@utu.fi

STATISTICAL COUNSELLING (Tilastollinen neuvonta)

- **Target group:** Doctoral Candidates at the University of Turku who need counselling with their statistical analyses
- **Organizers:** The Center of Statistics, University of Turku

Programmes: DPKEV, DPOPP, DPDMM, DPLAW, DPSOC, DPMLS, DPTSE, DPNUR, DPMAT, DPPHY, DPFIN, DPJUN, DPLIN, DPDRD, DPCLI, DPBGG

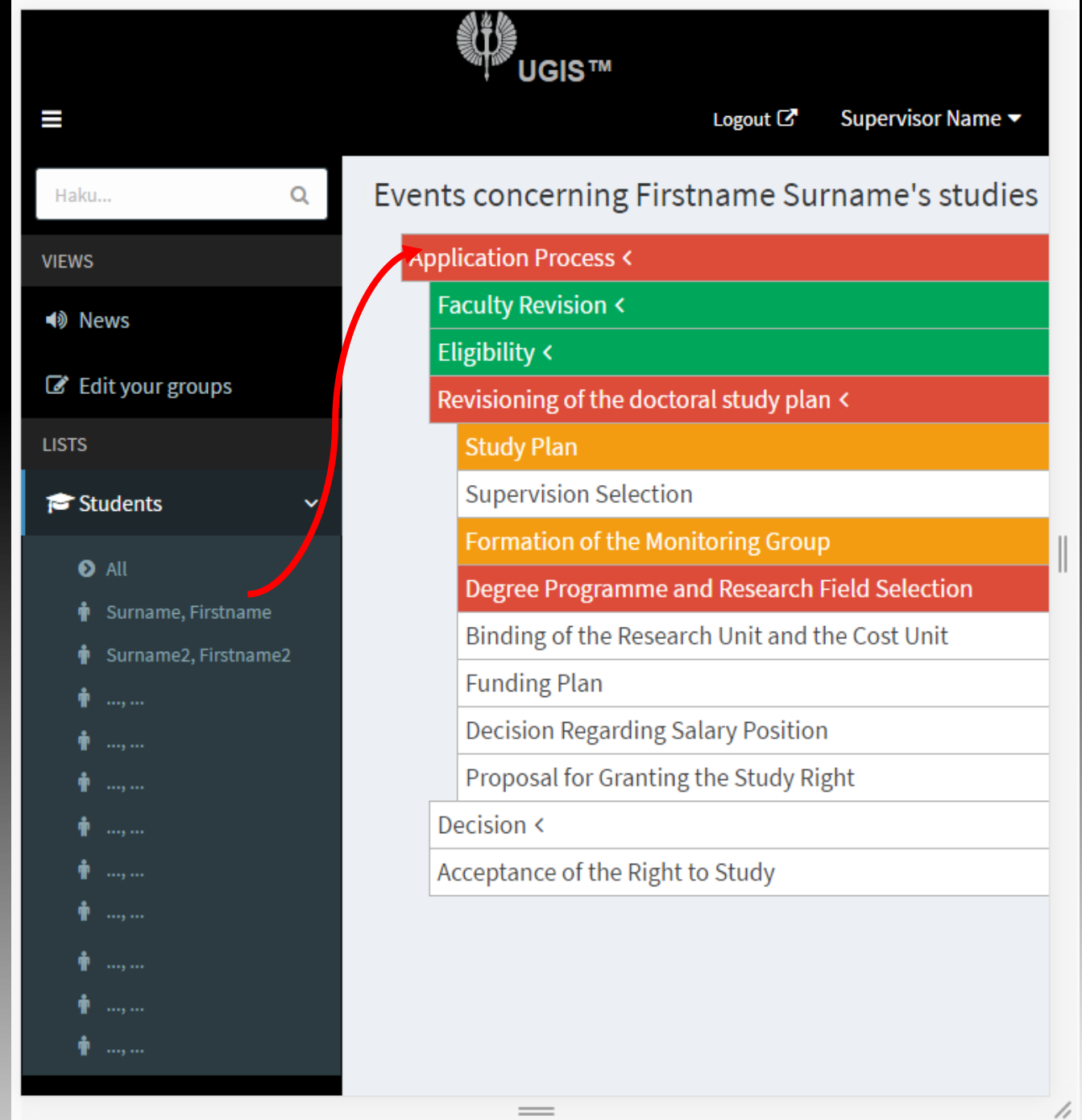
2) Supervisor

2.1) Browse students under supervision

2.2) Receive updates

2.3) Get action prompts

Receive email with clear description of the unfolding event and a prompt with exhaustive options to advance the event



3) Coordinator

3.1) Browse students and applicants in affiliated organizations

Organization (e.g., doctoral school)
linked to application system

→ New application immediately
available as a new life-cycle

Automatic
transition when
applicant becomes
student

The screenshot displays the UGIS™ application system interface. The top header features the UGIS logo and a 'Logo' label. A sidebar menu on the left contains sections: 'Haku...' (search), 'VIEWS' (News, Edit your groups), 'LISTS' (Students, Groups, Applications), and 'All' (Surname, Firstname, Surname2, Firstname2). The main content area shows a list of events under the heading 'Events concerning Firstnam'. The events are: 'Application Process <' (red), 'Faculty Revision <' (green), 'Eligibility <' (green), 'Revisioning of the doctoral stud' (red), 'Study Plan' (orange), 'Supervision Selection' (white), 'Formation of the Monitoring' (orange), 'Degree Programme and Res' (red), 'Binding of the Research Unit' (white), 'Funding Plan' (white), 'Decision Regarding Salary P' (white), 'Proposal for Granting the St' (white), 'Decision <' (white), and 'Acceptance of the Right to Stud' (white). A red arrow points from the 'Students' link in the sidebar to the 'DPBGG' entry in the 'Students' list. Another red arrow points from the 'New application immediately available as a new life-cycle' text to the 'Applications' section in the sidebar.

UGIS™

Haku...

VIEWS

News

Edit your groups

LISTS

Students

DPBGG

DPJUN

DPPHY

Groups

Applications

DPBGG: 2017/3: 3305

DPJUN: 2017/3: 3448

All

Surname, Firstname

Surname2, Firstname2

Events concerning Firstnam

Application Process <

Faculty Revision <

Eligibility <

Revisioning of the doctoral stud

Study Plan

Supervision Selection

Formation of the Monitoring

Degree Programme and Res

Binding of the Research Unit

Funding Plan

Decision Regarding Salary P

Proposal for Granting the St

Decision <

Acceptance of the Right to Stud

3) Coordinator

3.2) Produce News

Produce, edit, and decide where

- to share news
- Inform affiliated students and
- supervisors about relevant matters

Haku...

VIEWS

News

Edit your

LISTS

Students

Groups

Applicat

Edit News

Topic*

UTUGS Courses on Transferable Skills

Text*

Normal text ▼ Bold Italic Underline Bulleted list Numbered list Indent Outdent Link

Continuous Activities

[FIRST ARTICLE LANGUAGE CHECKING SERVICE \(FALCS\)*](#)

- **Target group:** Doctoral Candidates at the University of Turku working on their first article* for publication (in English)
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[SUOMEN KIELEN KLINIKKA FOR INTERNATIONAL STUDENTS AND STAFF](#)

- **Target group:** all non-Finnish speakers at the university who already are at the level

Ohjelmat*

☒ DPKEV ☒ DPOPP ☒ DPDMM ☒ DPLAW ☒ DPSOC ☒ DPMLS ☒ DPTSE

☒ DPNUR ☒ DPMAT ☒ DPPHY ☒ DPFIN ☒ DPJUN ☒ DPLIN ☒ DPDRD

☒ DPCLI ☒ DPBGG

Lähetä Peruuta Poista

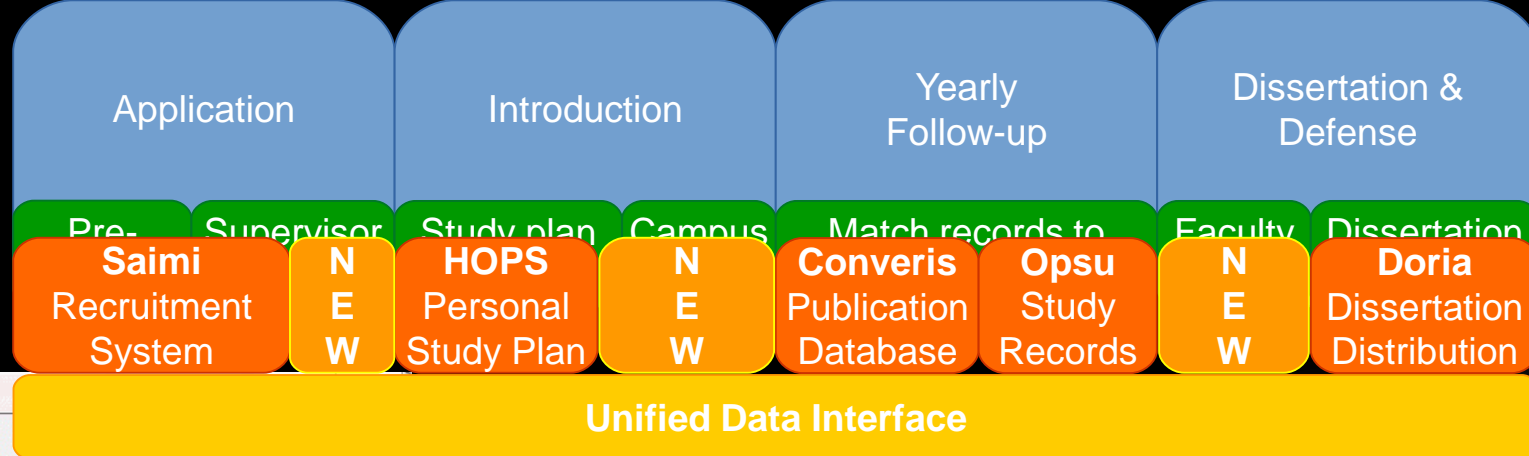
Sulje

3.3) Execute Mass Events

Rather than going over a list of students one by one, execute an event on the whole list or selected individuals

Identical to
executing an event
on a single student,
but more
convenient

[illegible]



Pivot Table Layout

Page Fields:

Column Fields:

Row Fields:

Data Fields:

userName
firstName
lastName
lastLogin
role
contacts
dateJoined

Data

Drag the Items into the Desired Position

Options
Source and Destination

Help

OK

Cancel

3.4) Generate Reports

- Generate informative reports
- on selected dimensions

UGIS

- Within one year developed by 2.5 persons and a coordinator
 - 10 months to learn and create one architecture from
 - 12 organizations, using 8 integrated systems, with 46 data interfaces
- Architecture ensures that life-cycles are fully interchangeable
 - accommodates new organizations, curricula, and accompanying support systems
- Videos demonstrating usage: ugis.utu.fi/info
- More information and introduction requests:
email elise.pinta@utu.fi

Acknowledgements



Johannes Holvitie



Elise Pinta



Turun yliopisto
University of Turku