



Ministry of Higher Education
and Science
IT Department of the Ministry of
Higher Education and Science

UFM-IT and its administrative systems

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UFM-IT

- Founded in the summer of 2012.
- Collection of three big systems: SIS, STADS and SU
 - SIS: the system for the University Colleges, The Danish School of Media and Journalism, the Business Academies and the Maritime Schools
 - STADS: the system(s) for the Universities
 - SU: the system(s) for Student Subsidies (servicing all of the above).
- Circa 55 employees doing diverse it-work such as design, maintenance, support, test, coding, operation and project management.



SIS (Studyadministrative Information System)

- Founded in 1998, finished on-time within budget in 2000 and currently employing 7-8 people.
- Originally built for the pedagogs (17.000 students) but quickly expanded to include the teachers (12.000), nurses (11.000) and a lot of other short to medium length, higher educations (2-4 years).
- Services
 - The 7 University Colleges
 - The Danish School of Media and Journalism
 - The 5 Maritime Schools
 - The 9 Business Academies (soon).



SIS

- Oracle-based, around 500 daily users, up towards 2.000 total users.
- Core functionality:
 - Students, subjects, classes, educations, admissions, grades, transfers etc.
 - Reports (to UFM, SU, DST amongst others).
- Extra functionality
 - Practical work registration, scheduling, time-keeping for staff, internationalization and commercial activities.
- The future is SOA and webservice.



The institutions and UFM-IT

- The institutions
 - Own the data
 - Do the actual work in the system
 - Make requests and wishes concerning:
 - Support
 - Functionality
 - Educational courses and workshops
 - Guidance and best practice.



The institutions and UFM-IT

- UFM-IT
 - Design, maintain and test based on:
 - Wishes from the institutions
 - Laws from UFM and other ministries
 - Support
 - Cases
 - Courses and Workshops
 - Written guides
 - Ad Hoc Consulting
 - For everyone including DST.



S500 Jobbestilling

Modul Navn Delsystem
 Beskrivelse Jobtype

1. Rediger 3. Ryd
2. Bestil 4. Hjælp

Generelt **Avanceret**

Printergruppe Print udskrift
 Vis udskrift
 Printer
 Sortering

Jobnr. Jobstatus Bestillings-tidspunkt Bestilt af

Tv.	Afgrensning	Værdi	Beskrivelse
<input checked="" type="checkbox"/>	Startdato	011013	01. OKTOBER 2013
<input checked="" type="checkbox"/>	Slutdato	28.02.2014	28. FEBRUAR 2014
<input type="checkbox"/>	Institutionsafdeling		
<input type="checkbox"/>	Inst.-afd. for studerende		
<input type="checkbox"/>	Institutionsaktivitet		
<input type="checkbox"/>	Udd.ordning		
<input type="checkbox"/>			
<input type="checkbox"/>			

A512 Indberetningskladder

Id	Type	Kategori	Suppl./Erstat. indberetning	Antal records	Dannet af job nr.	Bruger	Status	Status-tid
936	OPTAG	Opr.		1	87842	OP	I2	19.05.2014 15:17
935	STA-ord.	Supp.	408	4	87459	OP	I2	17.02.2014 13:18
931	OPTAG	Opr.		2	87363	DBU	I2	22.01.2014 11:50
927	OPTAG	Opr.		7	87347	ESASII	I2	21.01.2014 10:43
920	OPTAG	Opr.		0	87319	DBU	I2	17.01.2014 10:15
919	STA-ord.	Supp.	405	15	87018	ESASII	I2	20.11.2013 11:38
904	DS-int	Opr.		8	86753	DBU	I2	12.09.2013 16:14
900	DS-int	Opr.		9	86597	NE	I2	02.09.2013 14:00
897	DS-int	Opr.		9	86574	NE	I2	02.09.2013 11:08
891	OPTAG	Opr.		21	86549	ESASII	I2	28.08.2013 14:53
889	DS-int	Opr.		5	85929	OP	I2	14.03.2013 15:35
888	DS-int	Opr.		4	85905	NE	I2	11.03.2013 14:10
887	STA-ord.	Supp.	393	19	85872	ESASII	I2	22.02.2013 11:49
886	STA-AU	Opr.		4	85542	DBU	I2	14.11.2012 10:42

Anvendte afgrænsninger

Funktionsknapper
 1 Indhold 2 Udskriv 3 Godkend

S345 Optagsindberetning - kladder

Inst. afd.	Udd. kode	Studiestarts måned	Rekv. type	Optagstælle dato	Budg. optag	Faktisk optag
900001	4025	201402	UVM	01.03.2014	0	1

Oplysninger om studerende

Afd. for stud.	Udd.-ordning	CPR-nr.	Studiestart på institutionen	Oprindelig studiestart	Rekvirent	Rekvirentafdeling
900001	228	OP	890991-0758	01.02.2014	NEV14	UVM

Macrocontrol (from 2011)

- What institutions and educations have seen abnormal rises/falls in population?
- Done manually via Excel in SIS
 - + Inexpensive
 - + Good dialog
 - % Flexible
 - % Time-consuming.
- Automated in STADS
 - + Easy to use
 - + Quick
 - % Relatively expensive to develop
 - % Less personal interaction with datahandlers.



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Macrocontrol – SIS, step-by-step

1. User pushes button in system to make a draft report
2. Data extracted from SIS via SQL
3. Excel-macro computes problematic areas
4. Spreadsheet sent to key data-handlers
 - Might distribute internally
5. Problematic areas commented on
6. Spreadsheet sent back to UFM-IT and then to DST for confirmation
7. DST ask questions of key data-handlers and UFM-IT in cases where there is still doubt
8. Key data-handlers pushes button to finalise report which is then sent to DST via FTP.



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Macrocontrol - experiences

- Positives
 - Better dialogue
 - More accurate data (both in system and in reports)
 - Better understanding of data @ the institutions
- Negatives:
 - Bugs in system and setup
 - Frustration due to once-a-year occurrence (forgetfulness)
 - Difficult to spot reward.



Macrocontrol – streamlining of proces

- A clear and precise schedule
 - Right now only a deadline for submitting original data
- Information channel merging (DST-SIS partnership)
 - A letter and guide explaining what is required, when and by whom
 - Already exists but needs work
 - Publish schedule, guides and letters
- Ironing out bugs and discrepancies in system and setup
 - Nearly there, much better now than two years ago.

