



Universiteitsbibliotheek

Partner in Science

**The SURFshare Thesis+ Project
DSUG 2009, Göteborg
Peter Ruijgrok, Head of ICT dept.
Martin Slabbertje, Projectmanager**



Universiteit Utrecht

University Utrecht

- Research University
 - Founded in 1636
- 29000+ students
- 8500+ employees
- Library :
 - Over 4 million items
 - Omega search engine
 - Archive function publication



DSpace at Utrecht University Library

- DSpace since 2004
- Contents:
 - Publications: 25000 Items
 - Scanned Books: 2000 Items and >100.000 files
 - Scanned Maps: 650 Items
 - 1TB storage
- DSpace only for back-office purposes
- Interfaces with CRIS and Search Engine
- Self-developed tools for admin functions

Enhanced Publications

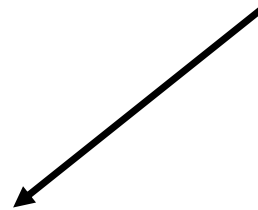


Table 2. Pearson correlation coefficients (Pearson Rank Order analysis) between N deposition and nitrogen (total) available.

Table 3. Correlations in parameterisation/analysis of Order & Range of Equations with the dependent variable for the variables investigated.

Parameterisation	Microclimate variable	Regression N	p-level	Significance
N ₁₀₀₀₋₀ n=12	Soil precipitation	-0.16	0.21	n.s.
	Min temperature	0.21	0.09	n.s.
	Max temperature	0.50	0.01	*
N ₁₀₀₀₋₀ n=12	Soil precipitation	0.21	0.12	n.s.
	Min temperature	-0.20	0.07	n.s.
	Max temperature	-0.10	0.21	n.s.
N ₁₀₀₀₋₀ n=12	Soil precipitation	0.21	0.12	n.s.
	Min temperature	-0.18	0.19	n.s.
	Max temperature	-0.07	0.23	n.s.
N ₁₀₀₀₋₀ + N ₁₀₀₀₋₀ + eq(1) n=12	Soil precipitation	-0.02	0.96	n.s.
	Min temperature	0.27	0.04	n.s.
	Max temperature	0.10	0.26	n.s.
Day N (Day 1000-0) n=8	Soil precipitation	0.21	0.24	n.s.
	Min temperature	-0.20	0.07	n.s.
	Max temperature	-0.20	0.07	n.s.
Total N (Day 1000-0 + N ₁₀₀₀₋₀) n=8	Soil precipitation	-0.01	0.87	n.s.
	Min temperature	-0.20	0.07	n.s.
	Max temperature	-0.20	0.07	n.s.
Total N (N ₁₀₀₀₋₀ + Day N) n=8	Soil precipitation	0.14	0.19	n.s.
	Min temperature	-0.01	0.96	n.s.
	Max temperature	-0.20	0.07	n.s.

Note: n.s. means no significant correlation; * means significant correlation; p < 0.05.



Factsheet Project ThesesPlus

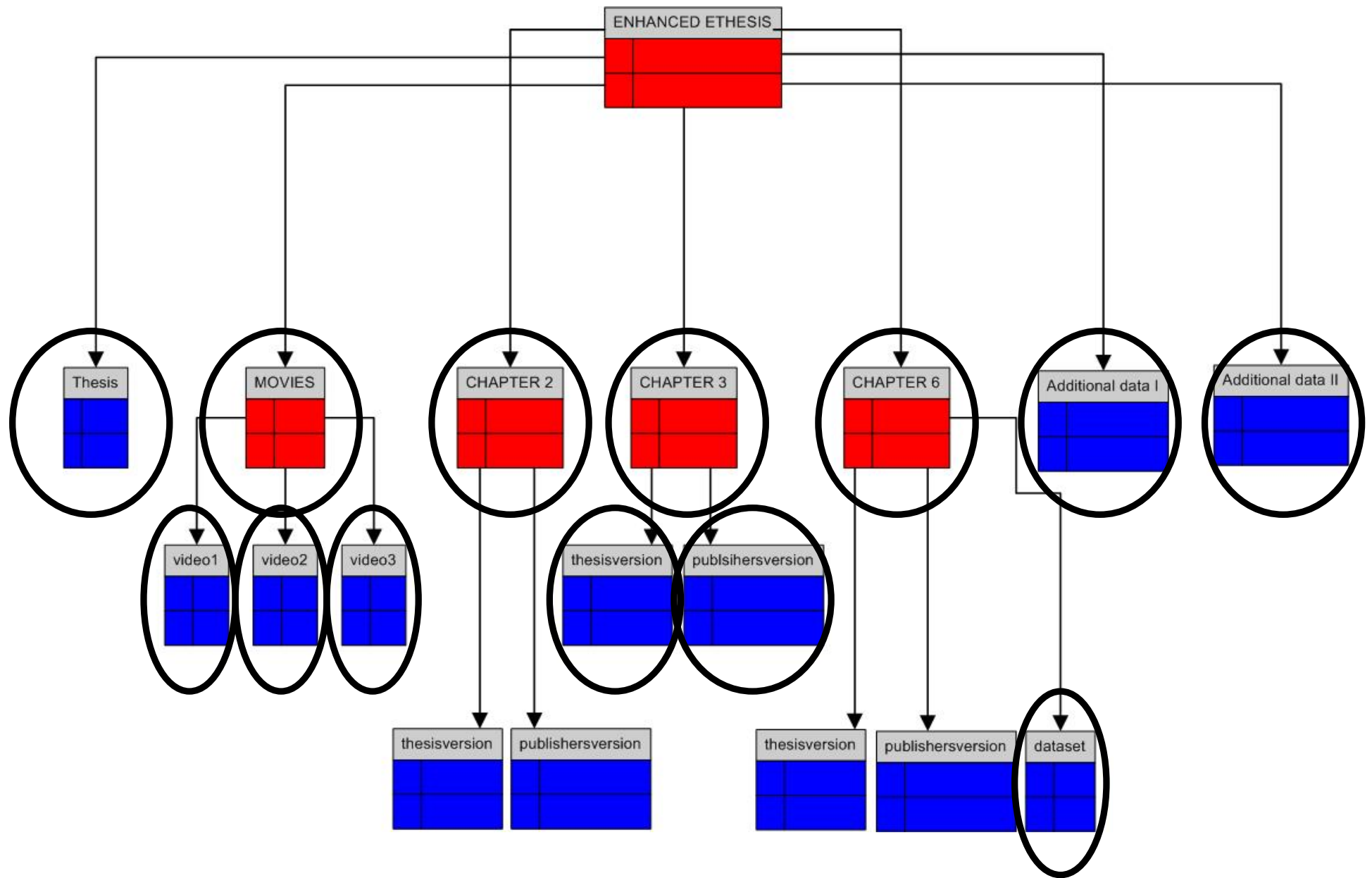
- Purpose: Prototype of a Technical Infrastructure and Organisation to Store, Exchange (between computers) and give Access to Theses and their Related Data and Publications
- Framework: Part of a national programme (SURFshare) related to Enhanced Publications
- Timeline: January – December 2009
- Work packages:
 - WP1: Acquisition of Enhanced E-theses
 - WP2: Storage of Enhanced E-theses
 - WP3: Publishing Resource Maps

Focus Project ThesesPlus

- Inventory of data-sets
- Metadata and vocabularies needed to describe the “enhancements”
- Ways of dealing with enhanced publications using DSpace
- Modelling structures of enhanced e-theses
- No focus on the automation of Ingest

Acquisition of data and metadata

- Recruitment and selection of candidates
- Acquisition of data and metadata
 - Metadata needed:
 1. Kind of object
 2. Formal description
 3. Relations with other objects
- Structuring of the enhanced e-thesis



Dspace Implementation



Aggregation - MOVIES

Title: The role of Rap1 in cell adhesion and migration (MOVIES)
Dspace Item Type: Aggregation
Human Start Page: <http://dspace15-test.library.uu.nl/verrijkingen/2009-0923-200152/UUindex.html>

Authors: Raaijmakers, J.H. | <info:eu-repo/dai/nl/304820016>

Issue Date: 17-Feb-2009

ORE Aggregates: hdl:1921/34768#VIDEO_1
hdl:1921/34769#VIDEO_2
hdl:1921/34770#VIDEO_3
hdl:1921/34771#VIDEO_4
hdl:1921/34772#VIDEO_5
hdl:1921/34773#VIDEO_6
hdl:1921/34774#VIDEO_7

ORE isAggregatedBy: <hdl:1921/34765#ENHANCEMENTS>

Abstract: Rap1 is an important regulatory proteins involved in cell-cell adhesion and cell-matrix adhesion. The regulation of cell adhesion is important for cell migration. Cell migration is a vital process required for embryogenesis, wound healing and the immune response. It is also involved in certain pathological processes, including cancer cell metastasis. In this thesis, I show that when endogenous Rap1 is activated using the Epac-specific cAMP analogue 8-pCPT-2'OMe-cAMP, epithelial cells no longer respond to migration-inducing growth factors. This inhibition is not caused by an effect of Rap1 on E-cadherin-



Aggregation - MOVIES

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dc.rights.contactsonrightsholders	Raaijmakers, J.H. info.eu-repo/dai/nl/304820016	-



Dspace Item Video 2

Title: Selective PKA activation does not inhibit MDCK cell scattering upon HGF

Dspace Item Type: Dataset

Human Start Page: <http://dspace15-test.library.uu.nl/verrijkingen/2009-0923-200204/UUindex.html>

Authors: Raaijmakers, J.H. | info:eu-repo/dai/nl/304820016

Issue Date: 17-Feb-2009

ORE isAggregatedBy: [hdl:1921/34767#MOVIES](https://hdl.handle.net/1921/34767#MOVIES)

ORE hasprevious: [hdl:1921/34768#VIDEO_1](https://hdl.handle.net/1921/34768#VIDEO_1)

ORE hasnext: [hdl:1921/34770#VIDEO_3](https://hdl.handle.net/1921/34770#VIDEO_3)

Abstract: Rap1 is an important regulatory proteins involved in cell-cell adhesion and cell-matrix adhesion. The regulation of cell adhesion is important for cell migration. Cell migration is a vital process required for embryogenesis, wound healing and the immune response. It is also involved in certain pathological processes, including cancer cell metastasis. In this thesis, I show that when endogenous Rap1 is activated using the Epac-specific cAMP analogue 8-pCPT-2'OMe-cAMP, epithelial cells no longer respond to migration-inducing growth factors. This inhibition is not caused by an effect of Rap1 on E-cadherin-dependent cell-cell junctions or a direct inhibition of the growth factor signaling pathways, but is mediated by specific effects on the migration machinery. Cells treated with the cAMP analogue display an increase in focal adhesion size and number and a decrease in lamellipodial protrusion. It remains unclear via which Rap1 effector proteins this/these effect(s) is/are mediated. Furthermore, the major signaling pathways involved in focal adhesion dynamics, are unaffected by activation of Rap1. This lead to the hypothesis that Rap1 may affect the linkage between the integrin and the actin cytoskeleton, to control cell migration.

Full Item Video 2

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ORE ReM for Dspace Item

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Dspace Issues

- UI to maintain relations easily !
- Metadata on Bitstream-level
- Hierarchy on Bitstream-level
 - Complex resources with a lot of Bitstreams temporary stored as zip-files
- Ingestion tools for end-users

Questions ?

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Storing enhanced e-theses in DSpace

Basic principles:

- Two kinds of object types: aggregations (Metadata only) and aggregated resources (Metadata and Bitstream(s))
- Aggregated resources with a lot of Bitstreams are stored as zip-files
- Aggregations and Aggregated Resources are stored in a similar way as Items
- Metadata provide distinction between Aggs and ARs
- Metadata provide structure of the enhanced e-thesis
- The description-field of Bitstreams is used for distinction of manifestations and/or versions (author version vs. publisher version)
- Aggregated Resources are stored in our own repository or elsewhere

ORE Issues

- Persistent identifier for ORE targets
- Protocol & URL to retrieve external WW ORE targets
 - OAI-PMH
 - Atom feeds
 - RSS
- Validate relations / links
- UI to maintain relations easily !

