



Open Repositories:

← Our Infrastructure Services
for Libraries and
Research Institutions

Information Systems manager Esa-Pekka Keskitalo
esa-pekka.keskitalo@helsinki.fi)

IFLA WLIC 2012, August 13.

<http://urn.fi/URN:NBN:fi-fe201208136289>

Based on a presentation of Jyrki Ilva (jyrki.ilva@helsinki.fi) at Open Repositories
2012 / July 10, 2<http://urn.fi/URN:NBN:fi-fe201207066182>

FINLAND

- A country of 5 million people
- Uniform higher education sector
- Government interested in cost-efficient national infrastructures
- Among libraries, a long tradition of cooperation

NATIONAL LIBRARY NETWORK SERVICES

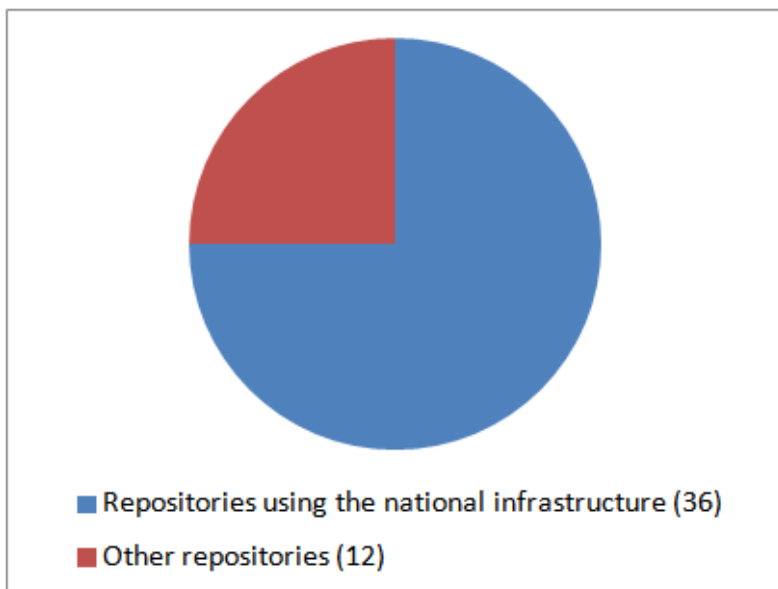


Repositories in Finland

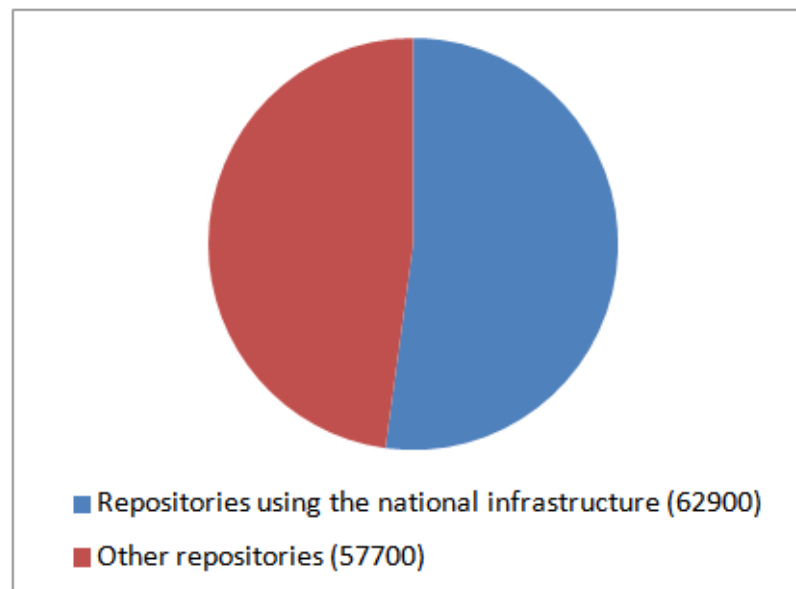
- 48 Finnish organizations have an institutional repository
 - Universities, universities of applied sciences (polytechnics), state research institutes, government agencies, scholarly societies
- 10 repository instances are only needed
 - 36 organizations utilize services by the The National Library of Finland
 - Six of the major universities have their own systems

The National Library – a major player

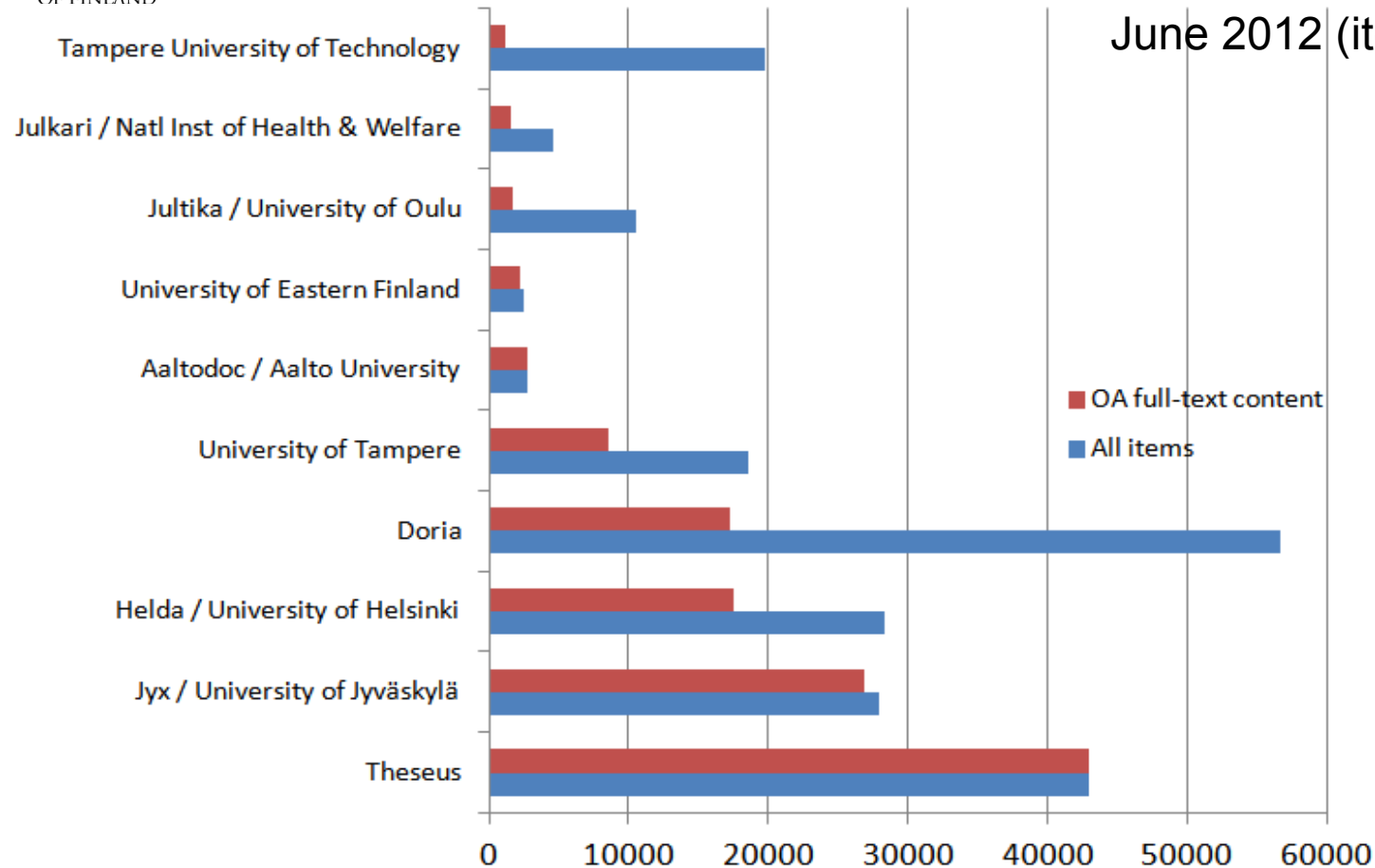
By organizations with a repository



By full-text items



Finnish repositories and their content



From a little server to a national service

- The original vision: institutional repositories are - institutional
 - “Do it yourself”-oriented ideology
 - Result: a large network of repository software instances = a lot of duplication of work
 - Some of the repositories are poorly resourced, some have little content
- Consider doing it together!

History of repositories in Finland

- From late 1990s: publishing theses and serial publications online
- Early 2000s: the concept of institutional repository
- 2003: the National Library sees a "digital object management system" as an integral part of new services for the Finnish library network (2003)
- 2006: starting with Dspace, after a false start with a commercial product.

3 Types of Services provided by the National Library

A customer may

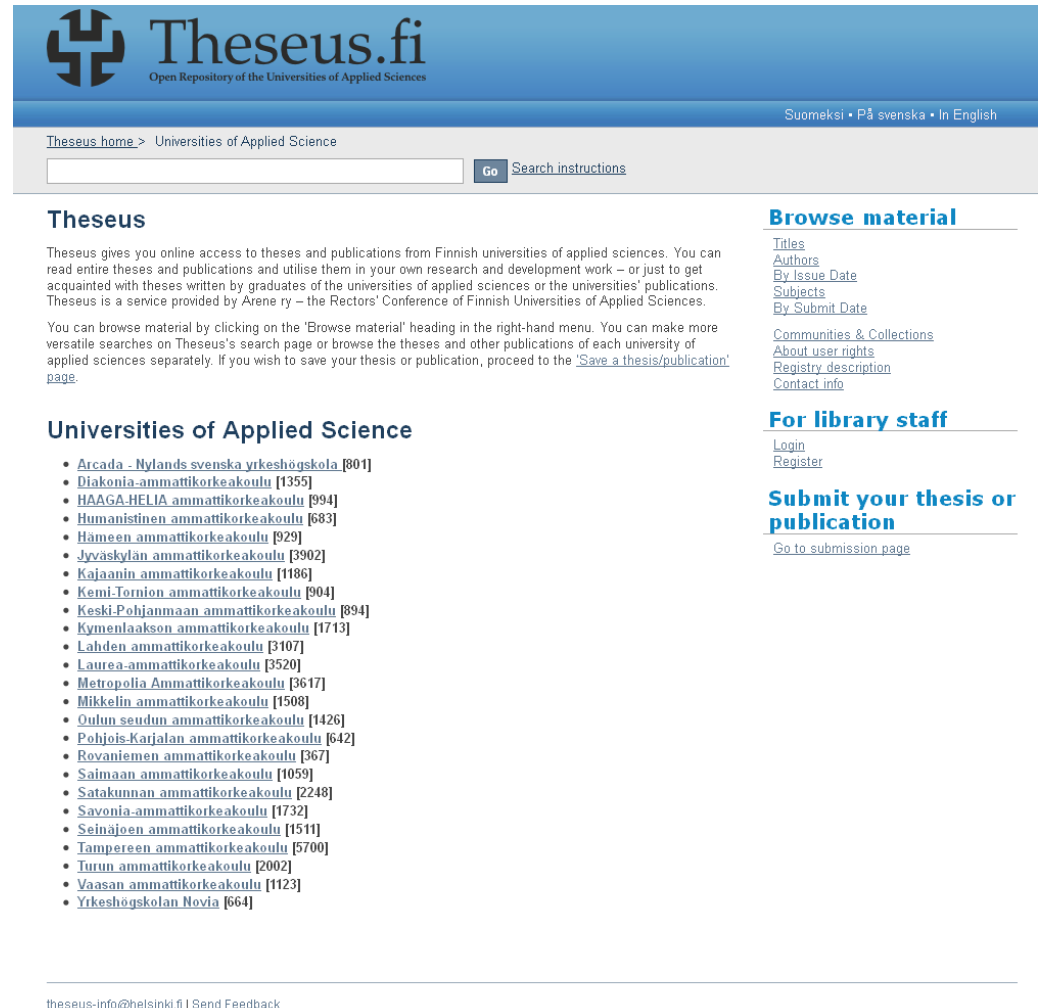
- Be part of a consortium with common policies, practices, processes
 - no kicking over the traces!
- Be a part of a multi-institutional repository
 - Freedom in metadata formats, submission processes, etc.
 - Some control over branding – logos, colours, etc
- Have its own repository hosted by the National Library
 - The technical maintenance of all repositories is highly centralized

Division of Labour

- The curation of publications and collections is done locally
- The National Library is responsible for the development and maintenance of the technical platform

1. Theseus: all together

- <http://publications.theseus.fi>
- The common repository for all of the 25 universities of applied sciences
 - Growing fast, 13.000+ new publications submitted by students each year
- All organizations use the same tools, formats and processes,
- and have the same uniform appearance



The screenshot shows the homepage of Theseus.fi, an open repository for the Universities of Applied Sciences in Finland. The header features the Theseus.fi logo and navigation links in Finnish, Swedish, and English. Below the header is a search bar with a 'Go' button and a link to 'Search instructions'. The main content area is divided into three columns. The left column, titled 'Theseus', provides an overview of the service and a link to browse material. The middle column, titled 'Universities of Applied Science', lists 25 participating universities with their respective counts. The right column, titled 'Browse material', contains links for titles, authors, issue dates, subjects, and submit dates. Below this are links for communities, user rights, registry descriptions, and contact information. A section for library staff includes login and registration links. At the bottom, there is a link to submit a thesis or publication and a link to the submission page. The footer contains the email address theseus-info@helsinki.fi and a link to send feedback.

Theseus

Theseus gives you online access to theses and publications from Finnish universities of applied sciences. You can read entire theses and publications and utilise them in your own research and development work – or just to get acquainted with theses written by graduates of the universities of applied sciences or the universities' publications. Theseus is a service provided by Arene ry – the Rectors' Conference of Finnish Universities of Applied Sciences.

You can browse material by clicking on the 'Browse material' heading in the right-hand menu. You can make more versatile searches on Theseus's search page or browse the theses and other publications of each university of applied sciences separately. If you wish to save your thesis or publication, proceed to the '[Save a thesis/publication](#)' page.

Universities of Applied Science

- [Arcada - Nylands svenska yrkeshögskola](#) [801]
- [Diakonia-ammattikorkeakoulu](#) [1355]
- [HAAGA-HELIA ammattikorkeakoulu](#) [994]
- [Humanistinen ammattikorkeakoulu](#) [683]
- [Hämeen ammattikorkeakoulu](#) [929]
- [Jyväskylän ammattikorkeakoulu](#) [3902]
- [Kajaanin ammattikorkeakoulu](#) [1186]
- [Kemi-Tornion ammattikorkeakoulu](#) [904]
- [Keski-Pohjanmaan ammattikorkeakoulu](#) [894]
- [Kymenlaakson ammattikorkeakoulu](#) [1713]
- [Lahden ammattikorkeakoulu](#) [3107]
- [Laurea-ammattikorkeakoulu](#) [3520]
- [Metropolia Ammattikorkeakoulu](#) [3617]
- [Mikkelin ammattikorkeakoulu](#) [1508]
- [Oulun seudun ammattikorkeakoulu](#) [1426]
- [Pohjois-Karjalan ammattikorkeakoulu](#) [642]
- [Rovaniemen ammattikorkeakoulu](#) [367]
- [Saimaan ammattikorkeakoulu](#) [1059]
- [Satakunnan ammattikorkeakoulu](#) [2248]
- [Savonia-ammattikorkeakoulu](#) [1732]
- [Seinäjoen ammattikorkeakoulu](#) [1511]
- [Tampereen ammattikorkeakoulu](#) [5700]
- [Tutun ammattikorkeakoulu](#) [2002]
- [Vaasan ammattikorkeakoulu](#) [1123]
- [Yrkeshögskolan Novia](#) [664]

Browse material

- [Titles](#)
- [Authors](#)
- [By Issue Date](#)
- [Subjects](#)
- [By Submit Date](#)

[Communities & Collections](#)

- [About user rights](#)
- [Registry description](#)
- [Contact info](#)

For library staff

- [Login](#)
- [Register](#)

Submit your thesis or publication

- [Go to submission page](#)

theseus-info@helsinki.fi | [Send Feedback](#)

1. Theseus

- Essentially a big group effort, with 200+ librarians and administrators participating in 25 organizations
- Due to standard practices, requires relatively little work
- The cost of managing 25 repositories separately would be several times higher

The screenshot shows the homepage of Theseus.fi, an open repository for the Universities of Applied Sciences. The header features the logo and name 'Theseus.fi' with the tagline 'Open Repository of the Universities of Applied Sciences'. Below the header, there is a search bar with a 'Go' button and a link to 'Search instructions'. The main content area is titled 'Browsing THESEUS by Submit Date' and includes a navigation menu with options like 'Titles', 'Authors', 'By Issue Date', 'Subjects', and 'By Submit Date'. There are also links for 'Communities & Collections', 'About user rights', 'Registry description', and 'Contact info'. A section for 'Browse material' is visible on the right. The main content area shows a list of items, each with a PDF icon, title, author, and date. The items listed are:

- Title: [Pieksämäen kaupungin työikäisen väestön hyvinvointikertomus](#)
Author: Ylönen, Paula
Date: 2012
- Title: [TUETUN ASUMISEN PERHEYKSIKKÖ JYVÄSKYLÄSSÄ : : kuvaus lastensuojelun avohuollon työmuodon kehittymisestä](#)
Author: Pollari, Tuula
Date: 2012
- Title: [Osaamisen varmistaminen terveydenhuollon työnjaossa](#)
Author: Rantanen, Laura; Hiekkavirta, Mirva
Date: 2012
- Title: [LAATUA LASTENSUOJELUUN : Jyväskylän kaupungin nuorisokotien laatuprojekti](#)
Author: Partti, Anne
Date: 2012
- Title: ["Työyhteisön positiivinen innostaja" : Alaistaidot päivähoidon esimiestön tukena](#)
Author: Riihinen, Saija
Date: 2012

2. Doria: all in the same place

- <http://www.doria.fi>
- The original idea (in 2006) was to create a neutral technical platform that any organization could easily adopt
- All of the customer organizations have their own communities
- The organizations are independent in curating their communities



Doria Suomeksi På svenska In English

Doria home > Lappeenranta University of Technology > LUTPub > Doctoral dissertations > View Item

[Search instructions](#)

This Collection Search Doria

Making Sense of Software Product Requirements

Jantunen, Sami (2012-06-06)

The permanent address of the publication is <http://urn.fi/URN:ISBN:978-952-265-218-8>

 **Name:** isbn 9789522652188.pdf [View/Open](#)
Size: 3.133Mb
Format: PDF

[Show full item record](#)

Title: Making Sense of Software Product Requirements
Author: Jantunen, Sami
Other author: Lappeenranta teknillinen yliopisto, Teknistaloudellinen tiedekunta Tietotekniikka / Lappeenranta University of Technology, Faculty of Technology Management
Date: 2012-06-06
Abstract: One of the most crucial tasks for a company offering a software product is to decide what new features should be implemented in the product's forthcoming versions. Yet, existing studies show that this is also a task with which many companies are struggling. This problem has been claimed to be ambiguous and changing. There are better or worse solutions to the problem, but no optimal one. Furthermore, the criteria determining the success of the solution keeps changing due to continuously changing competition, technologies and market needs. This thesis seeks to gain a deeper understanding of the challenges that companies have reportedly faced in determining the requirements for their forthcoming product versions. To this end, product management related activities are explored in seven companies. Following grounded theory approach, the thesis conducts four iterations of data analysis, where each of the iterations goes beyond the previous one. The thesis results in a theory proposal intended to 1) describe the essential characteristics of organizations' product management challenges, 2) explain the origins of the perceived challenges and 3) suggest strategies to alleviate the perceived challenges. The thesis concludes that current product management approaches are becoming inadequate to deal with challenges that have multiple and conflicting interpretations, different value orientations, unclear goals, contradictions and paradoxes. This inadequacy continues to increase until current beliefs and assumptions about the product management challenges are questioned and a new paradigm for dealing with the challenges is adopted.
Subject: market-driven requirements engineering; grounded theory; product management; wicked problems; sensemaking

[Show full item record](#)

This item appears in the following Collection(s)

- [Doctoral dissertations](#) [375]

This Collection

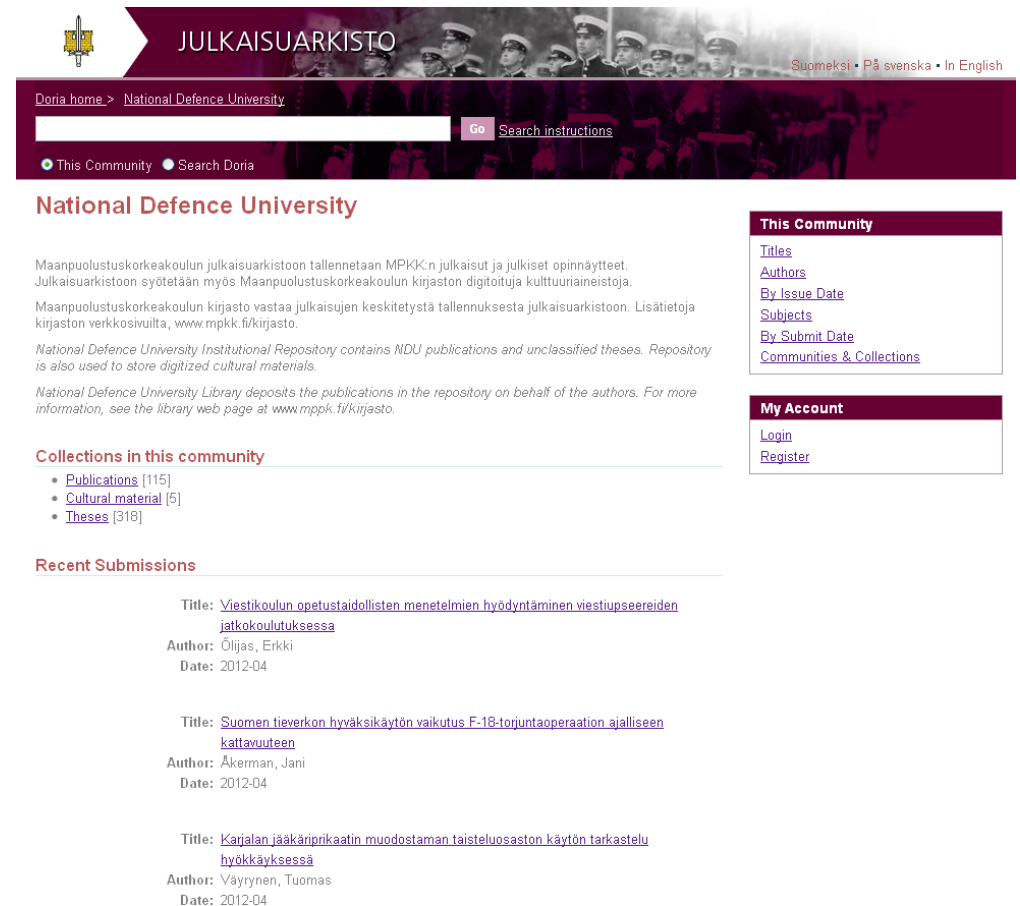
- [Titles](#)
- [Authors](#)
- [By Issue Date](#)
- [Subjects](#)
- [By Submit Date](#)
- [Communities & Collections](#)

My Account

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2. Doria

- Many different processes,
- Different visual themes
- Different metadata formats
- There are downsides to this
 - The quality of metadata is not uniform
 - Differing organization-level user interfaces may confuse



JULKAISUARKISTO Suomeksi • På svenska • In English

Doria home > National Defence University

Go Search instructions

This Community Search Doria

National Defence University

Maanpuolustuskorkeakoulun julkaisuarkistoon tallennetaan MPKK:n julkaisut ja julkiset oppinnäytteet. Julkaisuarkistoon syötetään myös Maanpuolustuskorkeakoulun kirjaston digitoituja kulttuuriaineistoja.

Maanpuolustuskorkeakoulun kirjasto vastaa julkaisujen keskitetystä tallennuksesta julkaisuarkistoon. Lisätietoja kirjaston verkkosivuilta, www.mppk.fi/kirjasto.

National Defence University Institutional Repository contains NDU publications and unclassified theses. Repository is also used to store digitized cultural materials.

National Defence University Library deposits the publications in the repository on behalf of the authors. For more information, see the library web page at www.mppk.fi/kirjasto.

Collections in this community

- [Publications](#) [115]
- [Cultural material](#) [5]
- [Theses](#) [318]

Recent Submissions

Title: [Viestikoulun opetustaidollisten menetelmien hyödyntäminen viestipseereiden jatkokoulutuksessa](#)
Author: Öljjas, Erkki
Date: 2012-04

Title: [Suomen tieverkon hyväksikäytön vaikutus F-19-torjuntaoperaation ajalliseen kattavuuteen](#)
Author: Åkerman, Jani
Date: 2012-04

Title: [Karjalan jääkäriprikaatin muodostaman taisteluosaston käytön tarkastelu hyväksikäytössä](#)
Author: Väyrynen, Tuomas
Date: 2012-04

This Community


- [Titles](#)
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2. Doria

- Doria also used by the National Library itself
 - Cultural heritage materials
 - Elektra = articles of the leading Finnish scientific journals (non-OA)

Doria 

Suomeksi På svenska In English

Doria home > The National Library of Finland > Dissertations of the Royal Academy of Turku

Search instructions

This Collection Search Doria

Dissertations of the Royal Academy of Turku

Väitöskirjakokoelma sisältää tässä vaiheessa 1778 teosta (n. 45000 sivua). Ne on valittu Jorma Vallinkosken luettelon, *Turun Akatemian väitöskirjat 1642-1828*, numeroista 70-2065. Hanketta jatketaan vuonna 2012.

Väitöskirjat on digitoitu Ilkka ja Ulla Paateron rahaston varoilla. Kokoelmaan on myös sisällytetty Pelasta Kirja -hankkeessa digitoidut Pehr Kalmin väitöskirjat.

Dissertationer vid Kungliga akademien i Åbo
Samlingen innehåller 1778 tryck, ca. 45000 sidor. De är utvalda bland numren 70-2065 i Jorma Vallinkoskis katalog *Turun Akatemian väitöskirjat 1642-1828*. Digitalisering vill fortsätta under året 2012.

Digitalisering har skett med stöd av Ilkka och Ulla Paateros fond. Samlingen innehåller också i programmet *Rädda boken* digitaliserade Pehr Kalms dissertationer.

Dissertations of the Royal Academy of Turku
This collection contains 1778 digitized dissertations that were defended at the Royal Academy of Turku between 1642 and 1828. They were chosen from numbers 70-2065 in Jorma Vallinkoski's catalogue of the dissertations. The digitalization project will continue in 2012.

The funding for the project was provided by Ilkka and Ulla Paatero's fund. The collection also includes a number of Pehr Kalm's dissertations, which were digitized within the fund-raising program Save the book.



This Collection

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- [Authors](#)
- [By Issue Date](#)
- [Subjects](#)
- [By Submit Date](#)
- [Communities & Collections](#)

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Recent Submissions



Title: [De gradibus academicis](#)
Author: Alander, Christiernus Caroli
Date: 1700



Title: [Causae discessus reginae viduae Mariae Eleonorae, e Suecia](#)
Author: Bilmark, Johannes
Date: 1795



Title: [De voluntate humana](#)
Author: Hahn, Petrus Olai
Date: 1700

3. Own repository for an individual customer organization

- Some organizations prefer to have their own hosted instance
- Easy to provide, for a small extra cost
- Julkari, <http://www.julkari.fi> (National Institute for Health and Welfare)
- TamPub, <http://tampub.uta.fi> (University of Tampere)

UNIVERSITY OF TAMPERE TamPub Institutional repository Suomeksi In English

TamPub home > TamPub > Articles > View Item

Go Search instructions

• This Collection • Search TamPub

Journal Article

Driving ability in stroke patients with residual visual inattention: A case study

The permanent address of the publication is <http://urn.fi/URN:NBN:fi:uta-201206201010>

 Post print
352.5Kb
Restricted access until: 2012-07-27 [View/Open](#)

Author(s): Jehkonen, Mervi; Saunamäki, Tiia; Alzamora, Anna-Kaisa; Laihosalo, Mari; Kuikka, Pekka

Title: Driving ability in stroke patients with residual visual inattention: A case study

Year: 2011

Journal Title: Neurocase

Vol and number: 18 : 2

ISSN: 1355-4794

Discipline: Neurology and psychiatry

School /Other Unit: School of Social Sciences and Humanities

Item Type: Journal Article

Language: en

DOI: <http://dx.doi.org/10.1080/13554794.2011.588504>

URN: URN:NBN:fi:uta-201206201010

Abstract: Driving ability of three patients having a right hemisphere infarct and residual visual inattention was examined. The neuropsychological examination included the Peripheral Perception Test and the Signal Detection Test from the Vienna Test System, and the Behavioural Inattention Test (BIT). Driving ability was assessed with an on-road evaluation. The patients had no neglect based on the BIT and had normal visual fields, but they showed slightly poorer visual search on the left side. All patients passed the official on-road driving test and were considered capable of driving. This study ra

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This item appears in the following Collection(s)

- [Articles](#) [509]

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Instructions and links

[Self-archive / Publish](#)
[TamPub-form](#)
[SoleCRIS](#)

How to sell repository services?

- Long-term access and persistent addresses are good selling points
- Integrate the repository with the other systems and processes of the organization
- Repositories are suitable for many kinds of materials
 - Much of the discourse on repositories has concentrated on one very specific use case, green OA
 - However, there are other use cases that are just as legitimate (if done properly)

Does it cost something? Yes, it does!

- At the moment, services are fully based on fees.
 - Many other services have a centralized funding model (e.g. funded by MoEC)
- Coherent pricing scheme is a challenge
- We are trying to keep the basic services affordable
 - Smaller organizations do well with the basic functionalities, with minimal customization
- The National Library can also provide consulting and other services (metadata conversions, extensive customization, technical interfaces to other systems, etc.)
 - These cost more, but we try to come up with solutions that benefit other customers as well

Growth of the customer-base: new challenges

- Contract negotiations take time and effort
- How to balance customer projects with the development of the basic infrastructure?
 - Customer projects bring in money, but they also take up a lot of developer time
 - The infrastructure is getting more complicated with each new project
- Need for new and improved services
 - The new, customizable external ingest-system (long overdue)
 - Dark archiving on a national level? Connections to long-term preservation?
 - Standardized interfaces to other systems/processes (library catalog, CRIS, etc.)

Shared and not shared: towards common goals

- Some of the Finnish universities are going to host their own repositories even in the future
- Co-operation between repositories would benefit us all, both in technical development and policy issues
- Grassroot-level co-operation is finding its forms
- Contributions to the international community?



Measures of success for repositories?

- There is a repository
- Repository is filled with meaningful content
- The content is being disseminated (downloaded by users)

Monthly download statistics

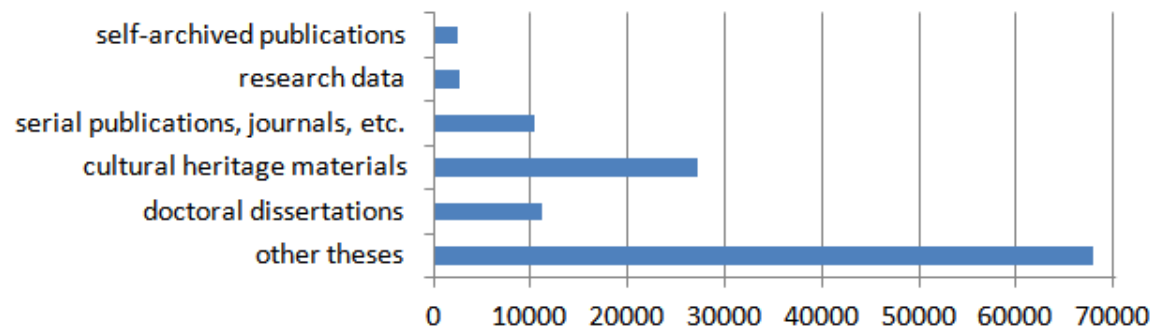
	1 / 2012	2 / 2012	3 / 2012	4 / 2012	5 / 2012	6 / 2012	Total
The entire DSpace (43605 items, 45394 bitstreams, 92577 megabytes)	907982	651147	736132	690223	686343	512788	4184615

Source: <http://publications.theseus.fi/simplestats>

- The content has some kind of scientific or cultural impact
- By storing and disseminating the content the repository has an effect on the way we publish and access these materials

We are not very far yet

Types of OA full-text content in all of the Finnish repositories in June, 2012 (items):



- Self-archiving ("green OA") has been important in creating publicity and getting funding, but the actual number of submitted articles has grown only slowly
- OA publication of theses and dissertations is clearly a success story and has changed the way scholarly publishing works in Finland



9th Open Repositories Conference In Helsinki in June 2014

National Library of Finland & Helsinki University Library



THE NATIONAL
LIBRARY
OF FINLAND