

Program SUC P-2

**“Scientific information:
access, processing and safeguarding”**

Roland Dietlicher, Gabi Schneider, Martin Walder

**Information event
Lugano, 26.11.2014**

Welcome!

Program:

<i>From 12:00</i>	<i>Sandwiches</i>	
12:30 - 14:00	Presentation of SUC P-2, discussion <ul style="list-style-type: none">▪ SUC P-2▪ Status, project portfolio▪ Outlook▪ Ongoing projects	Program management
<i>14:00 - 14:30</i>	<i>Coffee break</i>	
From 14:30	Project ideas <ul style="list-style-type: none">▪ Application procedure▪ Discussion of project ideas	Interested parties with program management

SUC P-2

Roland Dietlicher

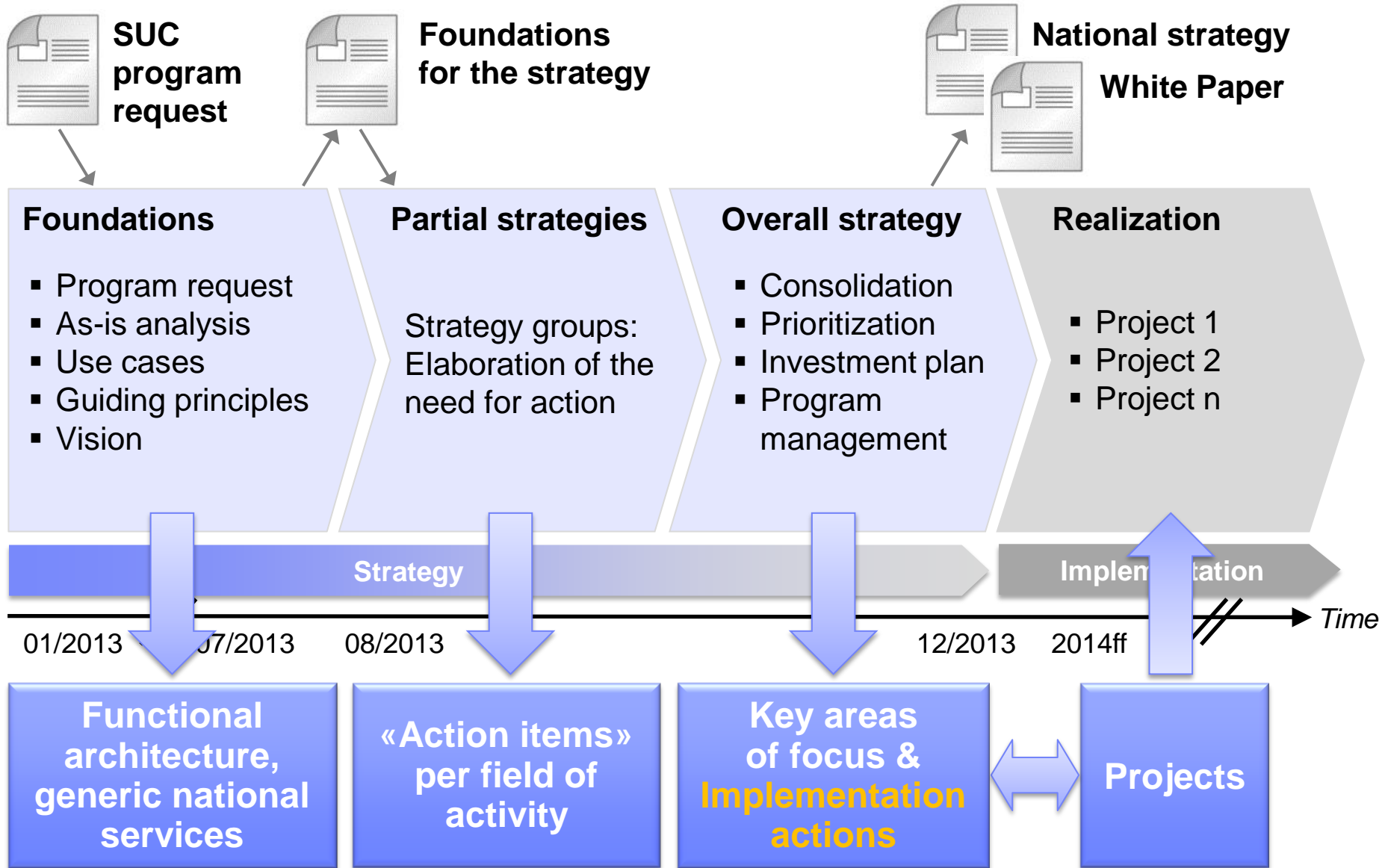


Vision

“ [...] Swiss information provisioning and processing infrastructure that transcends the borders of individual institutions. The program shall strengthen Switzerland’s reputation as a top location for education and research [...] ”

(White Paper, 1.2)

A look back (2013)



35 Implementation actions

Publications:		CHF 22 million (until 2016), CHF 5 million per year (from 2017)	
EP-1	<p>An application by the Consortium of Swiss Academic Libraries to purchase national licenses for selected publications. The application:</p> <ul style="list-style-type: none"> a) explains the planned selection criteria b) is based on the DFG's funding criteria c) takes into consideration the changes to the Consortium's organization as a result of its new task <p>Given the national importance of this proposal, SUC P-2 will consider contributions to current content licences as matching funds. The program assumes that the Consortium will support negotiations for open-access options for the current licenses.</p>	1	1
EP-2	Setting up a study to monitor the publication behavior of researchers in Switzerland.	1	1
EP-4	Cooperation projects to improve communication about publishing terms and conditions and authors' rights.	1	1
EP-6	Projects to improve the interoperability of repositories and digitization platforms.	1	1
EP-8	Participation in the SNSF's or the universities' gold OA applications: Contributions to publishing costs, memberships of OA publishing houses, participation in disciplinary OA consortia.	2	1
EP-9	Converting publications owned by universities, scientific societies etc. to an open access model.	2	1
EP-10	Digitizing content of national relevance on an existing digitization platform that is open to participants (retro-seals, e-manuscripta, e-rara, Scriptorium, rero.doc etc.). The operators of the digitization platforms offer their services at full cost on the basis of a service level agreement (SLA).	1	1
EP-12	Cooperative projects for authority files and for improvements in the quality of standardized metadata.	2	1
WE-2	Specifying and implementing a search solution for scientific publications and research data with a metadata hub and search engine, preferably as an extension to an existing solution. (Includes EP-11 and DM-6)	1	1

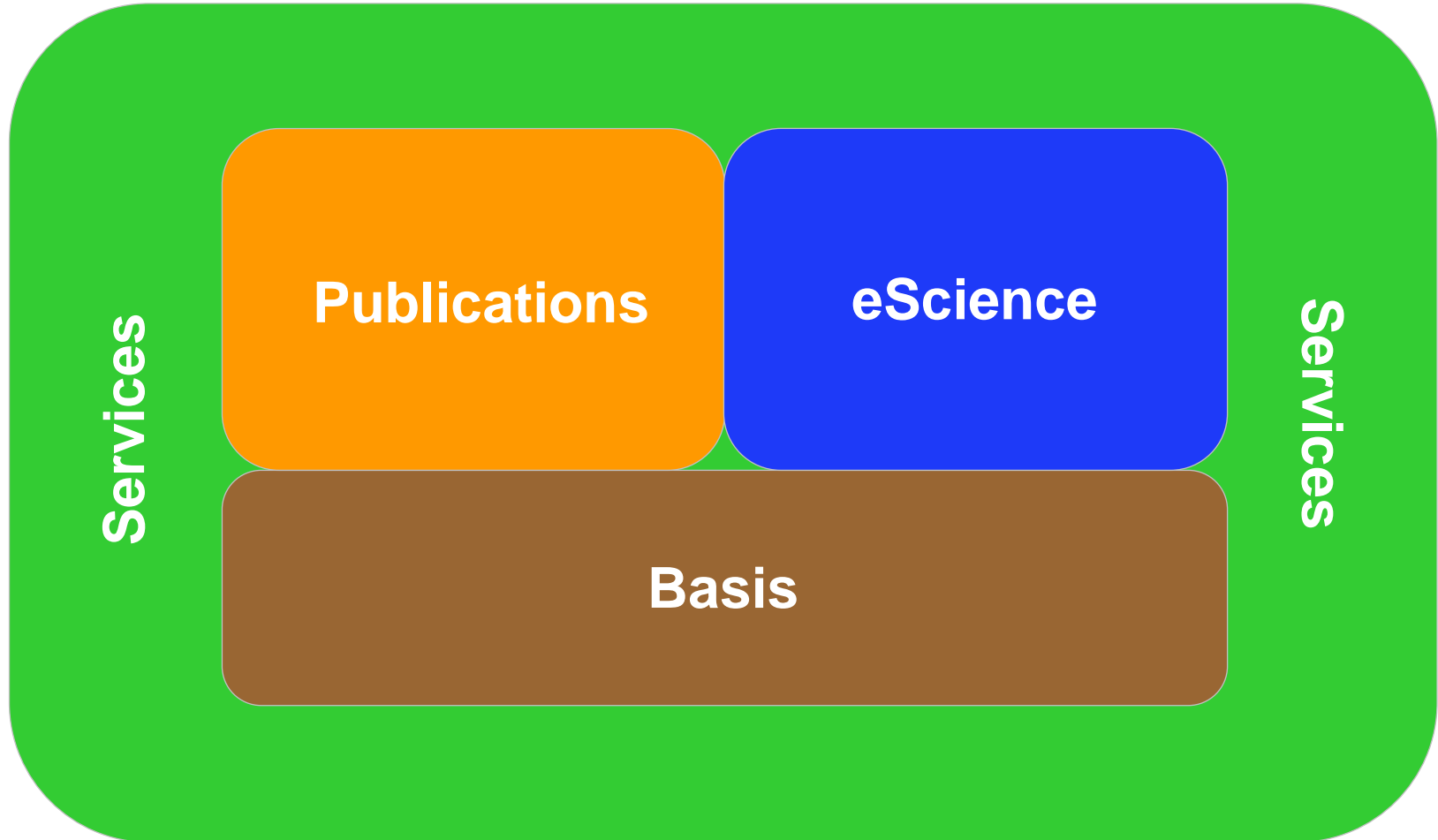
National strategy

“Combining Efforts to Manage Scientific Information“

(D / F / E / I)



Four key areas of focus



Key area of focus 1: Publications

Extending licenses and supporting digitization and open access to create a basic range of online scientific publications.

- National licenses (publishers' digital archives, "backfiles")
- Improving the shared use of open access servers and digitization platforms by various organizations
- Incentives for open access publication models
- Digitizing content of national significance
- Improving the accessibility of publications and making them easier to find

Key area of focus 2: eScience

Consistent processes for accessing research data and standards for processing and archiving are to be established across institutional boundaries.

- Developing concepts as a prerequisite for national services, in particular for managing research data, providing metadata automatically and archiving (processes, interfaces, guidelines)
- Further developing established local services on the basis of the concepts
- Supporting pilot projects that use these services
- Supporting training; establishing a support body for issues relating to data management, cloud computing, and processing power issues

Key area of focus 3: Basis

A technical and organizational basis is necessary to implement the program. Facilities such as cloud infrastructures and a service platform are required.

- Setting up a national account management system with interfaces to the universities' user management systems (identity management)
- Setting up competence centers for copyright and data law and for supporting open access and open data
- Setting up a national computing and storage infrastructure that is flexible to use
- Developing a business model for using and charging for cloud-based services
- Developing a national organization and an operating model
- Setting up an online service platform that meets users' needs

Key area of focus 4: Services

Existing local services such as repositories, publication platforms and eLearning tools are to be expanded to create national services.

- Opening up e-learning solutions, document servers, open access publishing platforms, etc. to other participants
- Covering the costs of new partners to join these collaborative applications
- Funding collaborative pilot projects in new areas of requirement
- Pilot projects that use the national cloud infrastructure
- Offering shared services via a national service platform

Status, project portfolio

Martin Walder



45 million CHF (2013 – 2016)

Project-related grants from the Swiss Confederation: **45 million CHF**

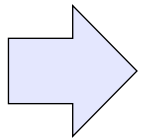
University funding **ETH Board funding** **Funding for universities
of applied sciences**
36 million CHF + 7 million CHF + 2 million CHF

Transfer funding 2013: **4 million CHF**

E-lib.ch (2); AAA transfer projects: SwissACC (0.6), Learning-Infrastructure (1.4)

Obligations until 2016 (mandate SUC): **4.2 million CHF**

Kooperative Speicherbibliothek (1); e-codices (2); program office (1.2)



Available funding 2014-2016: **~ 37 million CHF**

Approved projects: 5 million CHF

Digitization ("on hold"): ? million CHF

Requested funding 2nd call: 17 million CHF

+ 100% (50% own funding)

Project applications of the second call for proposals (August 2014)

Key area	Main action	Short title	Description	Lead	Partner institution(s)	Contact
Publications	EP-1	National-lizenzen	... for backfile archives of e-journals, DBs, e-books	ETH-Bib	Consortium of Swiss Academic Libraries	Wolfram Neubauer
Publications	EP-2	SYMPHONY	Concept for monitoring of bibl. data and publication behavior	HTW Chur	--	Urs Dahinden
Publications	EP-8	Swiss-SCOAP3	Participation in the int. OA-publ.-platform in particle phys.	UniGE	Consortium of Swiss Academic Libraries	Jean-Blaise Claivaz
Publications	EP-12	SLOAT	Swiss linked open art thesaurus	UniZH, Inst. of Art History	UniZH-S3IT; ETHZ-gta; SIK-ISEA	Tristan Weddigen
eScience	DM-2	Data Analysis Service	... for users at PSI large scale facilities	PSI	ETHZ	Stephan Egli
eScience	DM-4	eSCT	eScience support coordination team	UniZH	EPFL; ETHZ; UniBS; SIB; FMI; HES-SO/GE	Sergio Maffioletti
eScience	DM-5	Train2Dacar	Train the trainer for data curation in adv. research	HES-SO/ GE	HTW Chur	René Schneider
Basis	EP-3	DICE+	CC for legal issues concerning digital content	USI	UniGE; HES-SO/ GE; FFHS; UniNE; UniL; UniBS-UB	Stefano Tardini
Basis	CC-2	Nel-CH	CH link to EU e-infrastructure initiative EGI	UniBE	CSCS; PSI; UniBE; UniGE; UniZH; SwiNG	Sigve Haug
Services	WE-6	S5	Scient. SW suite and service	SIB	UniBS; ETHZ; UniZH; SIB-Vital-IT	Heinz Stockinger
Services	EP-5	AV Medien für R&E	Virtual WE for AV-resources in R&E	HTW Chur	Memoriav; SWITCH	Edzard Schade
Services	EL-2	Geodata 4SwissEDU	Access to geodata for R&E	ETH-Bib	ETH-IKG; HSR	Arlette Piguet
Services	EL-2	BeAXi Service	E-assessment with iPads: marketing and support	UniBS	--	David Böhler
Services	n/a	MOOCIS	CH portal and quality system for MOOCs developed in CH	HES-SO	FFHS; UniZH	Anne-D. Salamin
Services	n/a	IRIS	Sharing platform for tech. resources	UniZH	ETHZ; EPFL; FMI; UniBS; UniBE	Peter Kunszt

Key areas of focus & fields of activity

		Field of activity						
		Identity Management	Working Environment	ePublishing	eLearning	Data Management	Cloud Computing	Operating model
Key area of focus	Publications							
	eScience							
	Basis							
	Services							

No implementation action defined

The following implementation actions have been combined:

- CC-4 → DM-4
- DM-6 → WE-2
- EL-5 → EP-3
- EP-11 → WE-2
- NO-2 → WE-1

Project portfolio

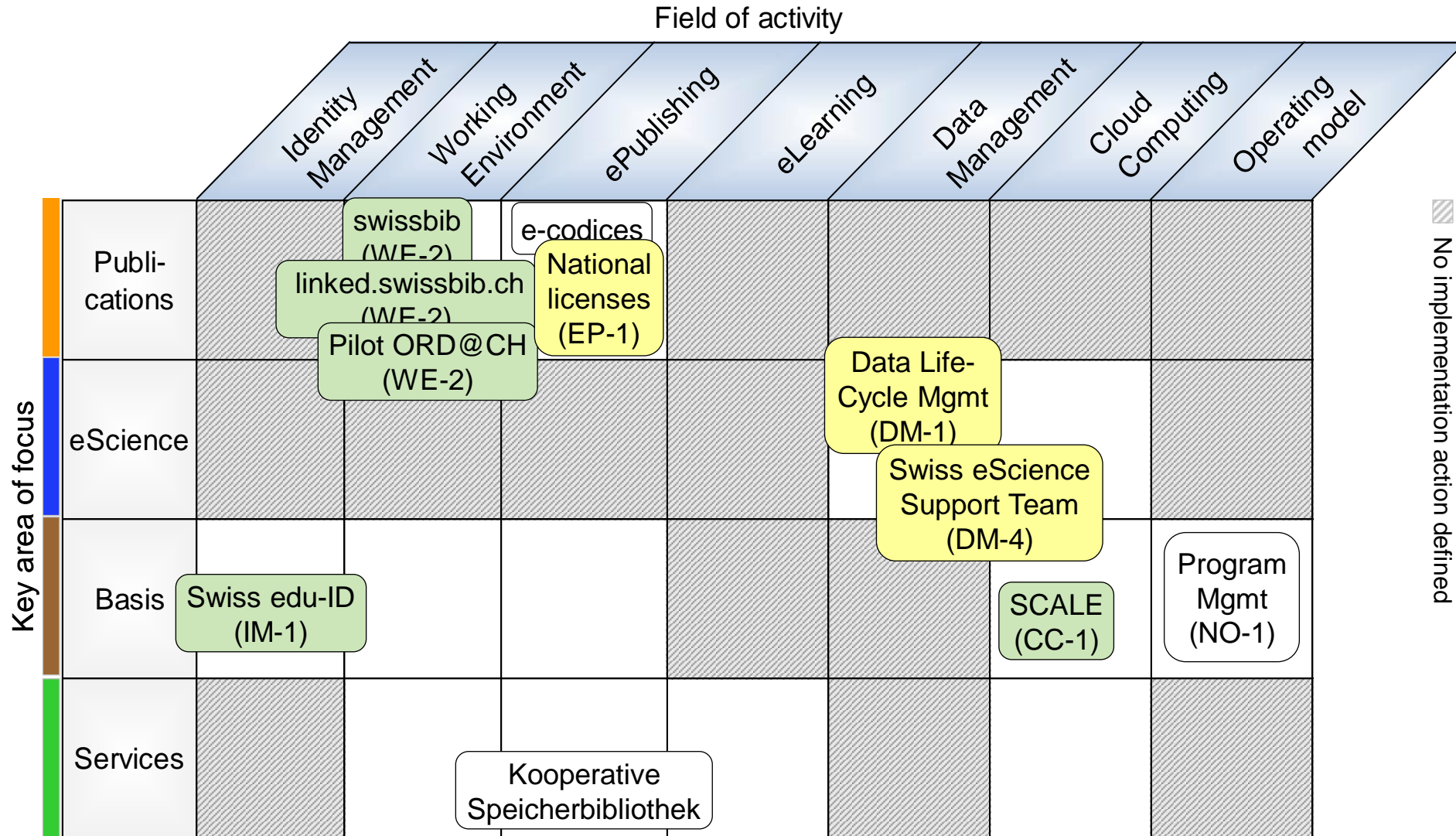
Projects landscape after the 1st call for proposals

Legend: Existing commitments

1st call for proposals

● Approved with reservations

● Rejected, but highly relevant

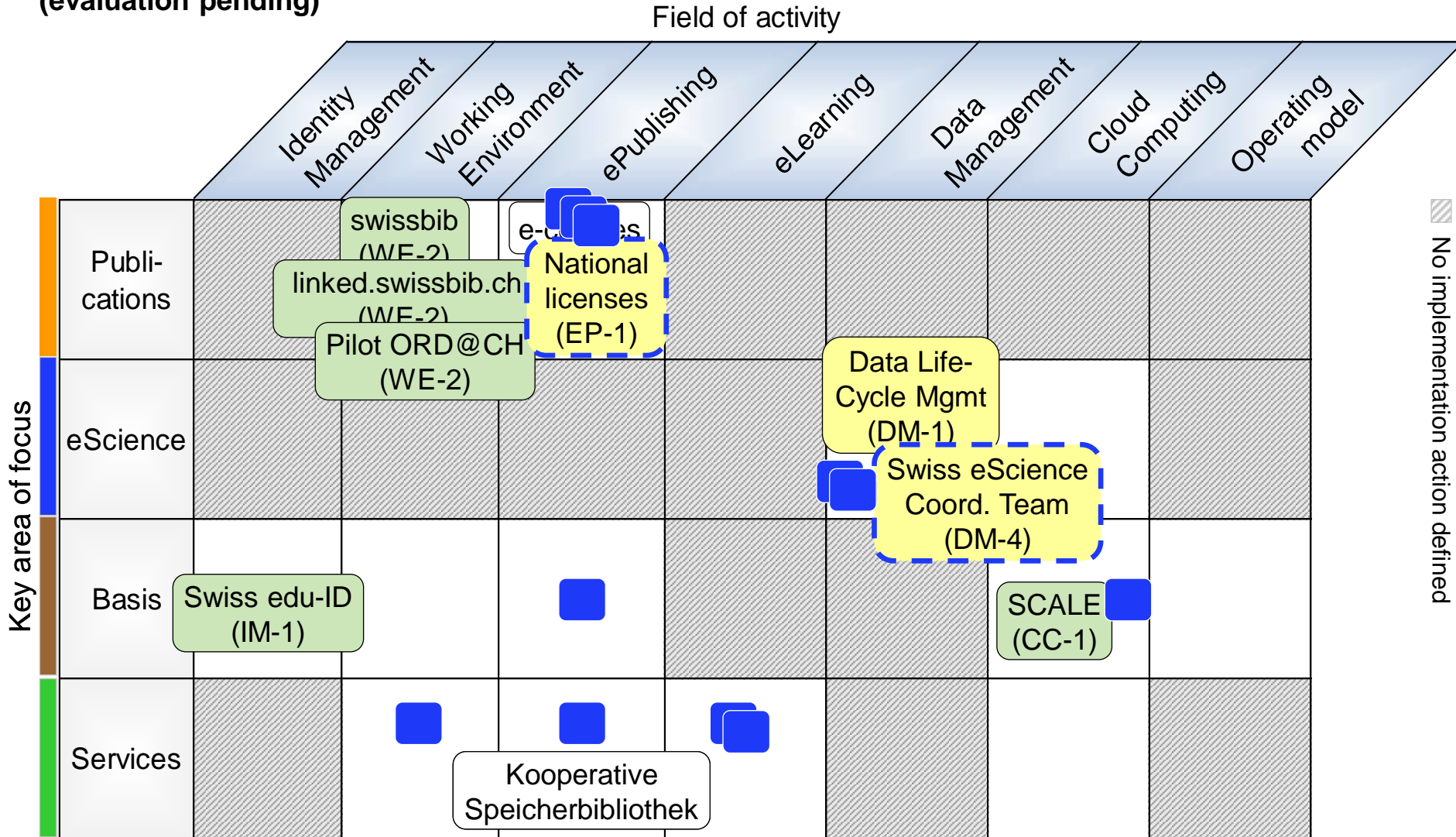


Project portfolio

Projects landscape after the 2nd call for proposals (evaluation pending)

Legend:

- Existing commitments
- 1st call for proposals
 - Approved with reservations
 - Rejected, but highly relevant
- 2nd call for proposals
 - Applications submitted
 - Applications re-submitted



Outlook

Gabi Schneider



Establish a service market

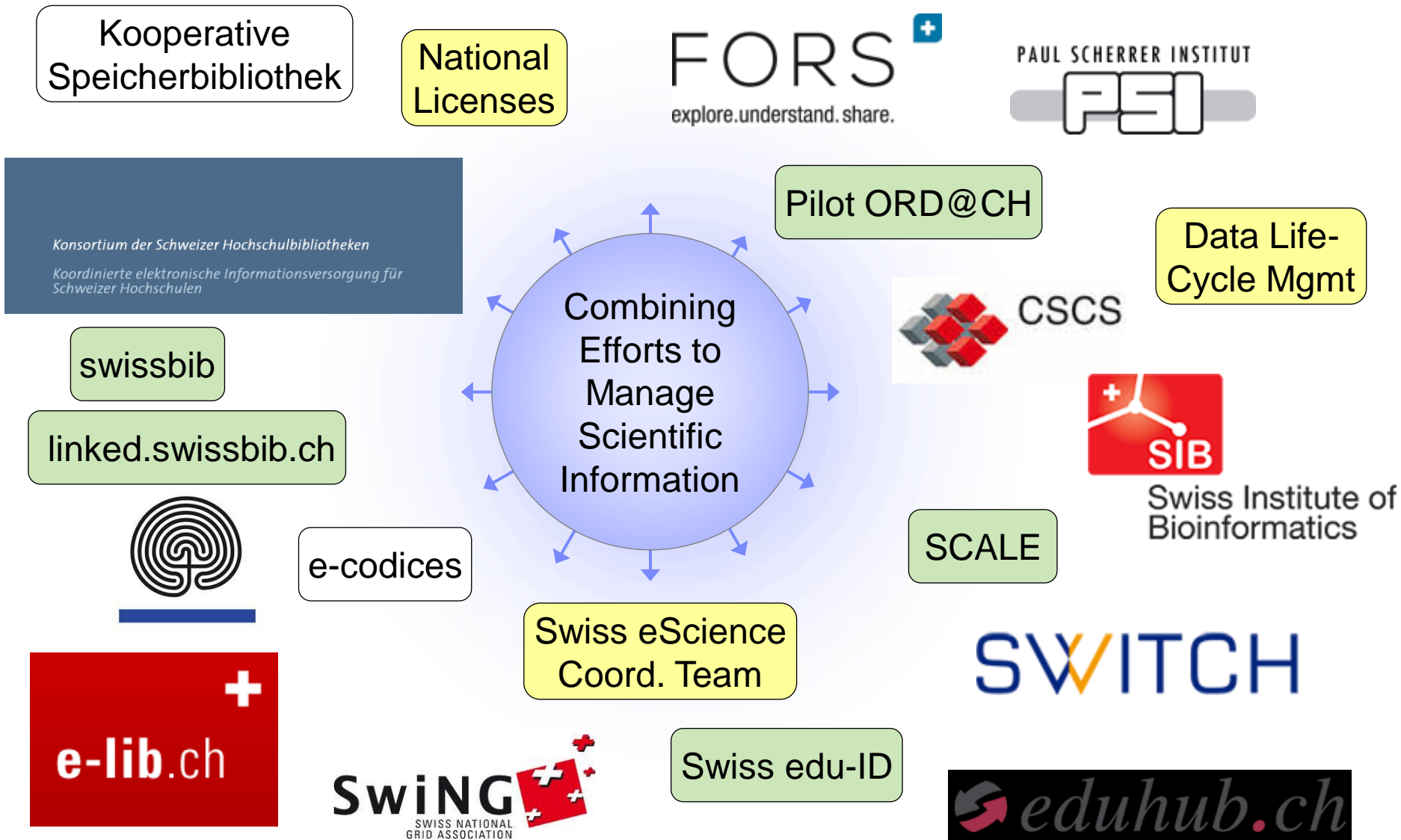
“The P-2 program funds the development of national solutions in the area of digital scientific information. It aims to build up **a service network for the Swiss scientific community** that enables easy access to publications and data, and at the same time provides tools for processing and safeguarding them.”

(National Strategy, 1.2)

“The goal of the program – the joint use of national services that are offered in a decentralized fashion by universities and university-related institutions – requires **a change in attitude. The universities must be ready to participate in a new “market” as both providers and users.**”

(White Paper, 5.4)

A hub of shared services





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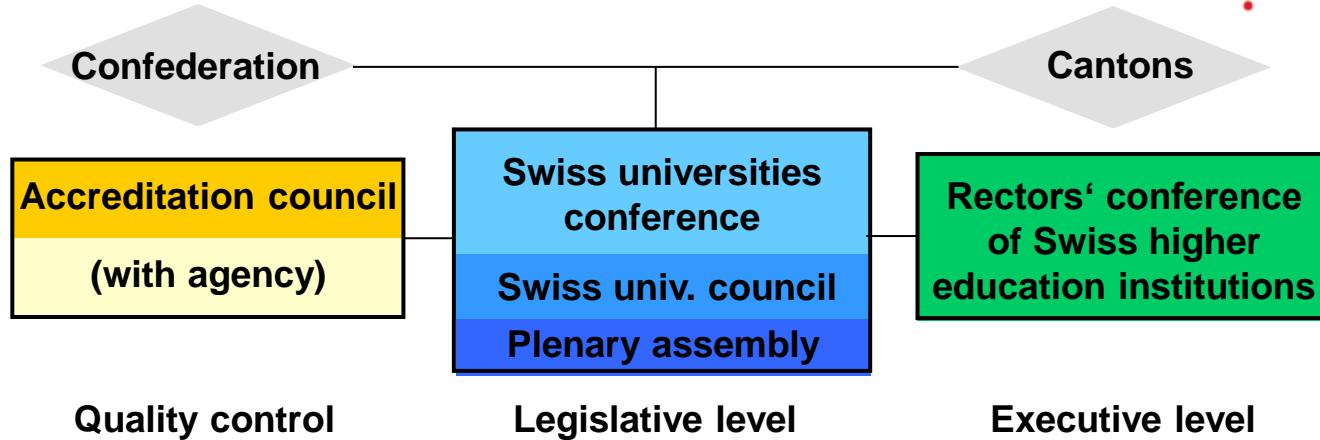
Rektorenkonferenz der Schweizer Universitäten
Conférence des Recteurs des Universités Suisses
Conferenza dei Rettori delle Università Svizzere
Rectors' Conference of the Swiss Universities

swissuniversities

LPSU (01.01.2015) → joint governance

swissuniversities

in future



today

U. of Applied Sciences EAER (mandatory)	U. of Applied Sciences FC / EAER (& CFSUP) Swiss Council of the UAS	U. of Applied Sciences KFH
Universities / ETH SUC (optional)	Universities / ETH SUC	Universities / ETH CRUS
U. of Teacher Education - (no regulation)	U. of Teacher Education EDK/CDIP	U. of Teacher Education COHEP

Next steps

Program management:

- 8 December (steering committee):
 - Decision on applications of the 2nd call for proposals
 - Retrodigitization (EP-10): decision on strategy adaptation
- Gap analysis
- Reach out!
- Next deadlines for proposals: 15 February, 9 August 2015
- Projects may run beyond 2016, according to content driven planning!
- Explore the options for the establishment of a national organization

Program development 2017-2020:

- Lobby for the continuation of the program
- Consolidate the roadmap for research infrastructures (SERI)
- Collaborate with other service providers
- Collaborate with funding agencies

Documents and contact

Website: www.crus.ch/isci

- National strategy:
“Combining Efforts to Manage Scientific Information” (D / F / E / I)
- White Paper:
“... for a Swiss Information Provisioning and Processing Infrastructure 2020”
(D / F / E)
- Documents for project applications
- Bodies and procedures

Mailing list:

<https://sympa.ethz.ch/sympa/subscribe/isci>

Program management:

isci@crus.ch



Ongoing projects

Martin Walder



Overview

Implementation area: Publications / WE-2

Project management: Universitätsbibliothek Basel

Partners: URZ Basel, Schweizerische Nationalbibliothek, Bibliothèque de l'EPFL, KUB/CBU

swissbib is the is the metacatalog of the libraries of the Swiss universities, universities of applied sciences and research institutes. It provides a central gateway to scientific information.

Goals

Continuation and appropriate extension of the service:

- Extension of the data foundation (metadata hub)
- Setup of a scalable infrastructure to enable the transfer and provisioning of data as linked data
- Enhancement of the user interface and the search functionality (mobile users)

Overview

Implementation area: Publications / WE-2

Project management: HES-SO Haute école de de gestion de Genève

Partners: HTW Chur, Universitätsbibliothek Basel

Goals

Extension of the swissbib platform to a service for linked metadata

- Conversion of the swissbib data sets to Resource Description Framework (RDF) by considering normative data and existing Linked Open Data (LOD) nodes
- Provision of the new semantic structure with a web API
- Integration of linked open data in the search functionality of swissbib
- Goals: better interoperability and more flexible possibilities for reuse of data

Pilot-ORD@CH – Open Research Data

Overview

Implementation area: Publications / WE-2

Project management: FORS/itopia

Partners: DHLab Universität Basel, Scientific IT Services ETH Zürich,
Swiss Institute of Bioinformatics (SIB)

Goals

Development and operation of a pilot platform to:

- Aggregate metadata in order to publish research data (pilot: social sciences, humanities, life sciences)
- Promote secondary analysis of research data
- Facilitate interdisciplinary approaches in research and teaching
- Simplify the publication of research data sets belonging to publications
- Ambition after 2016: Continuation of the platform and extension to a Swiss metadata hub for research data.

Overview

Implementation area: Publications

Project management: Université de Fribourg

e-codices is the virtual manuscript library of Switzerland. Its goal is to provide access to all medieval & selected early modern manuscripts of Switzerland.

Goals

Continuation and extension of the service

- Update of the backend and frontend of the web platform
- Continuous update and extension of the digital contents
- Establishment of a competence center for Swiss manuscripts and digital manuscript research
- Further enhancements to improve the usability of the service

Swiss edu-ID

Overview

Implementation area: Basis / IM-1

Project management: SWITCH

Partners: Collaboration with advisory boards and working groups representing universities and libraries

Goals

Extension of SWITCH/AAI Identity Management (IdM)

- Development of a user-centric IdM, independent of the organizational affiliation
- Onboarding decentralized attribute authorities of universities and libraries
- Establish a unique, long-lasting digital identity, also outside the academic field
- Enable the interlinking with other identities (e.g. ORCID)

Overview

Implementation area: Basis / CC-1

Project management: SWITCH

Partners: Collaboration with advisory boards of the universities

Goals

Establishment of the “ Swiss academic cloud” for IT services

- Development and operation of virtual machines
- Development and operation of storage systems
- Monitoring, reporting and charging of these infrastructure services
- Provision and operation of “ academic software”
- Training for users

This service addresses small and medium sized institutions (the “ long tail”)

Data Life-Cycle Management

Overview

Implementation area: eScience / DM-1

Project management: UniGE

Partners: EPFL, ETHZ, HES-SO GE, SWITCH, Unibas, UZH

Status: Initializing pre-project

Goals

- Concepts for management of research data over the entire lifecycle
- Enable proper storage, safeguarding and secondary use of research data
- Establish a common set of rules and best-practices in Switzerland
- Support the researches to adequately handle data

Kooperative Speicherbibliothek

Overview

Implementation area: Services

Association: Zentral- und Hochschulbibliothek Luzern, Zentralbibliothek Zürich, Universitätsbibliothek Basel, Hauptbibliothek Universität Zürich, Kantonsbibliothek Aargau, Zentralbibliothek Solothurn

Kooperative Speicherbibliothek is a project to establish a service to store and manage books, magazines and other physical media, by considering (cost-) efficiency, space-saving aspects and appropriate conservation.

Goals

- Establishment of the organizational structures (inc. company and association)
- Planning, tendering and implementation / construction of the new library building
- Detailing of the operational setup
- Preparation of the books, magazines and other media

Questions?



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Program management: isci@crus.ch

Website: www.crus.ch/isci

Mailing list: <https://sympa.ethz.ch/sympa/subscribe/isci>