

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

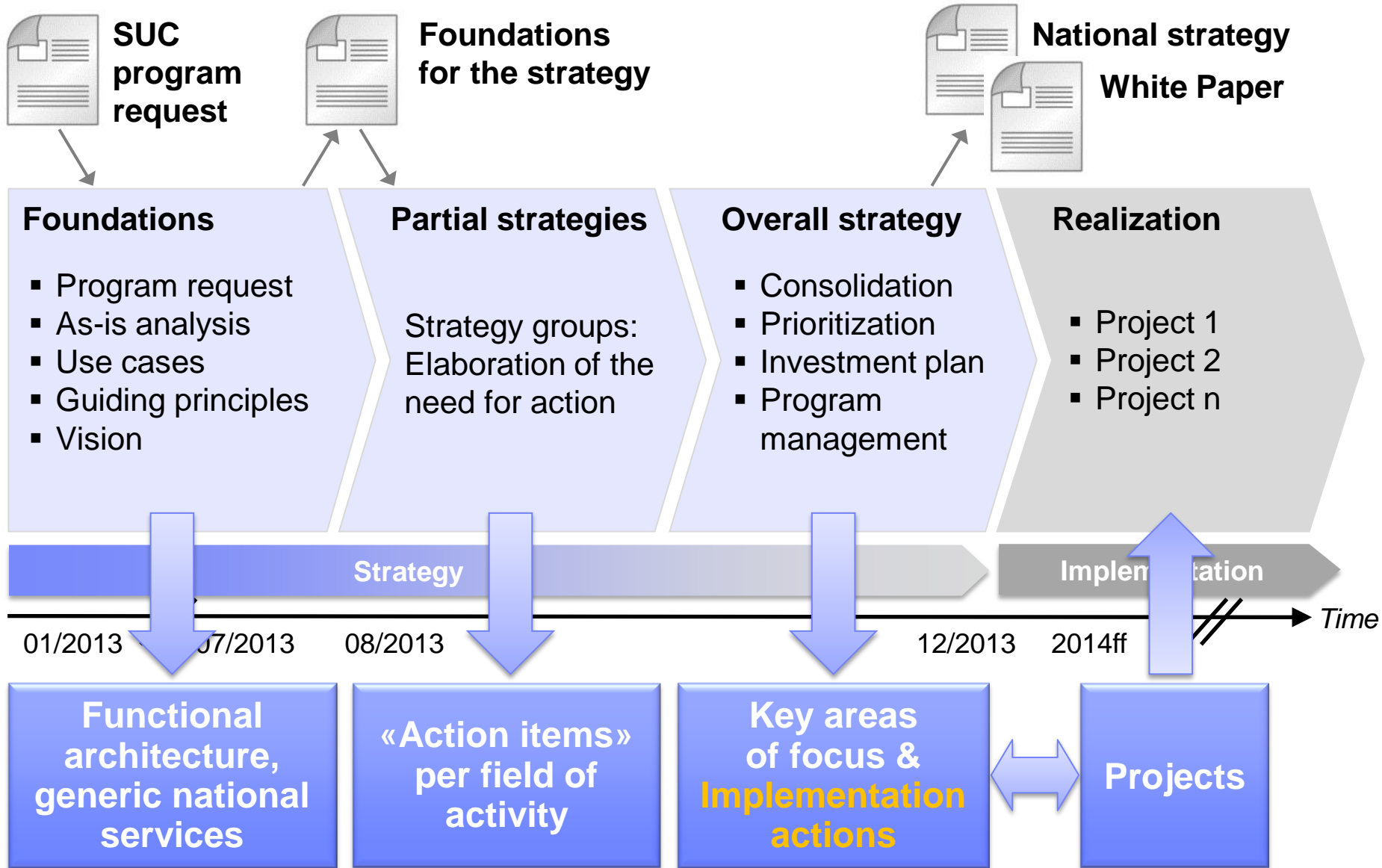


Vision

“ [...] 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

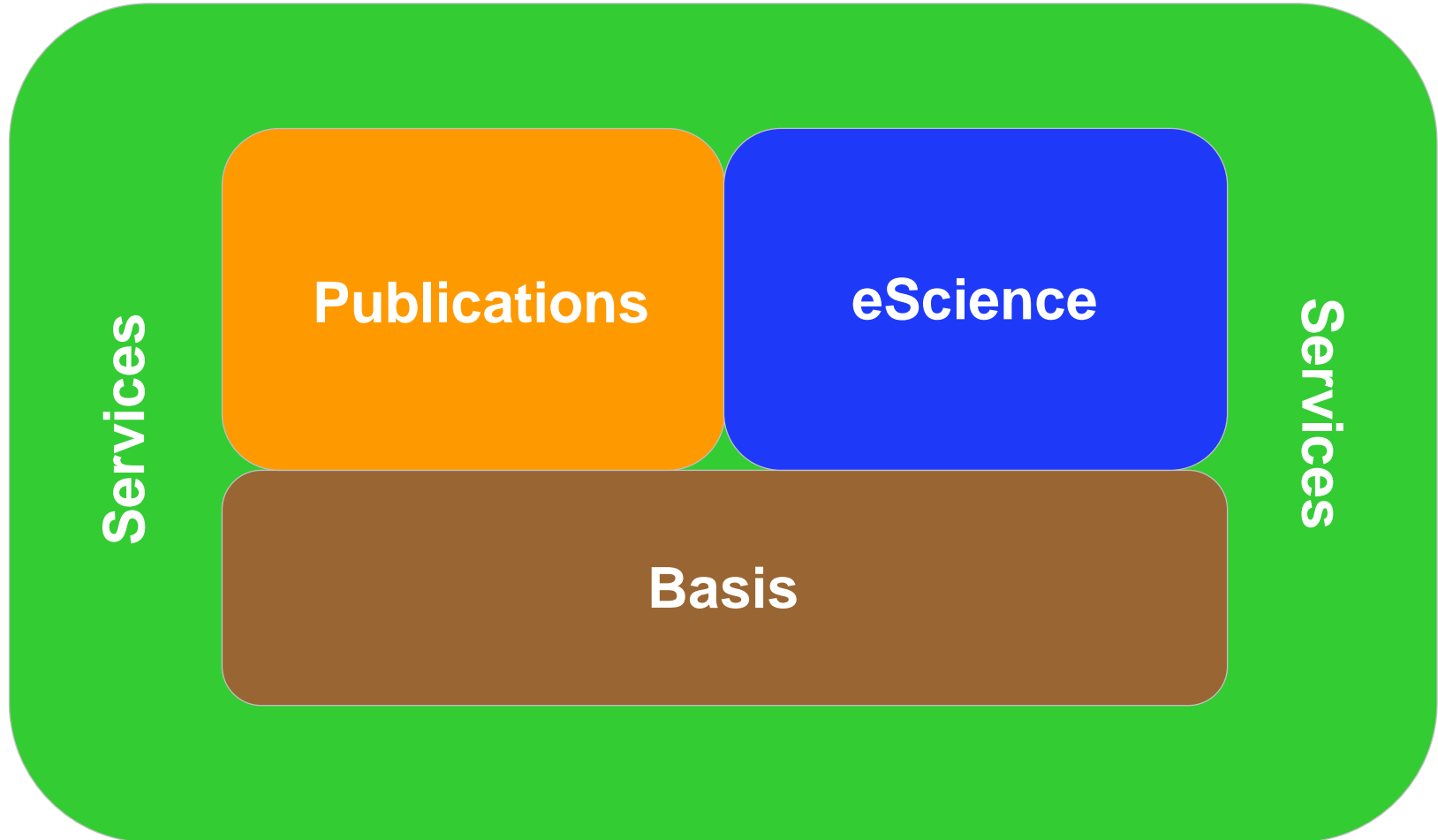
National strategy

“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**

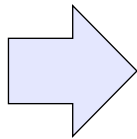
University funding **ETH Board funding** **Funding for universities
of applied sciences**
36 million CHF + 7 million CHF + 2 million CHF

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

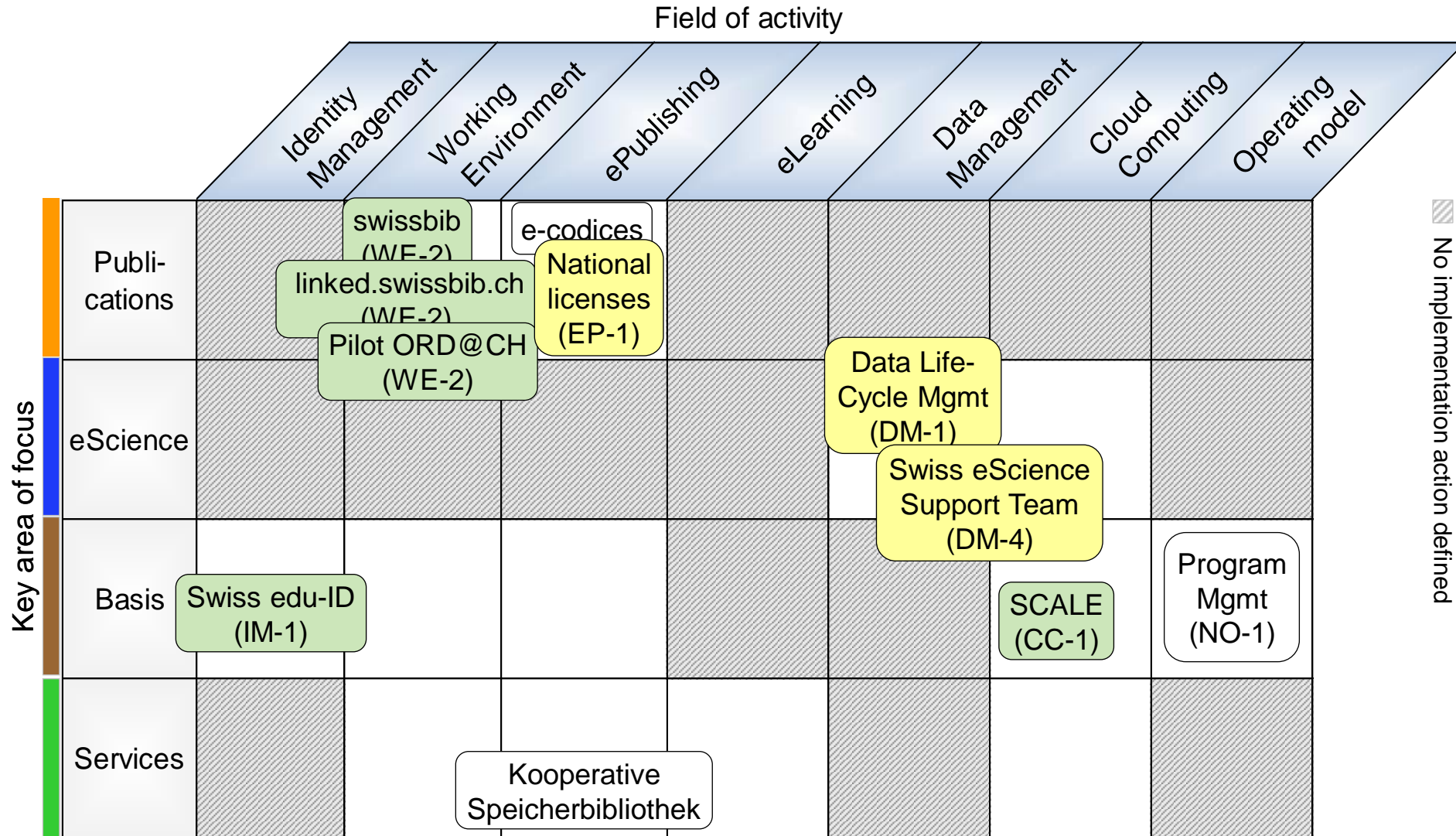
Projects landscape after the 1st call for proposals

Legend: Existing commitments

1st call for proposals

● Approved with reservations

● Rejected, but highly relevant

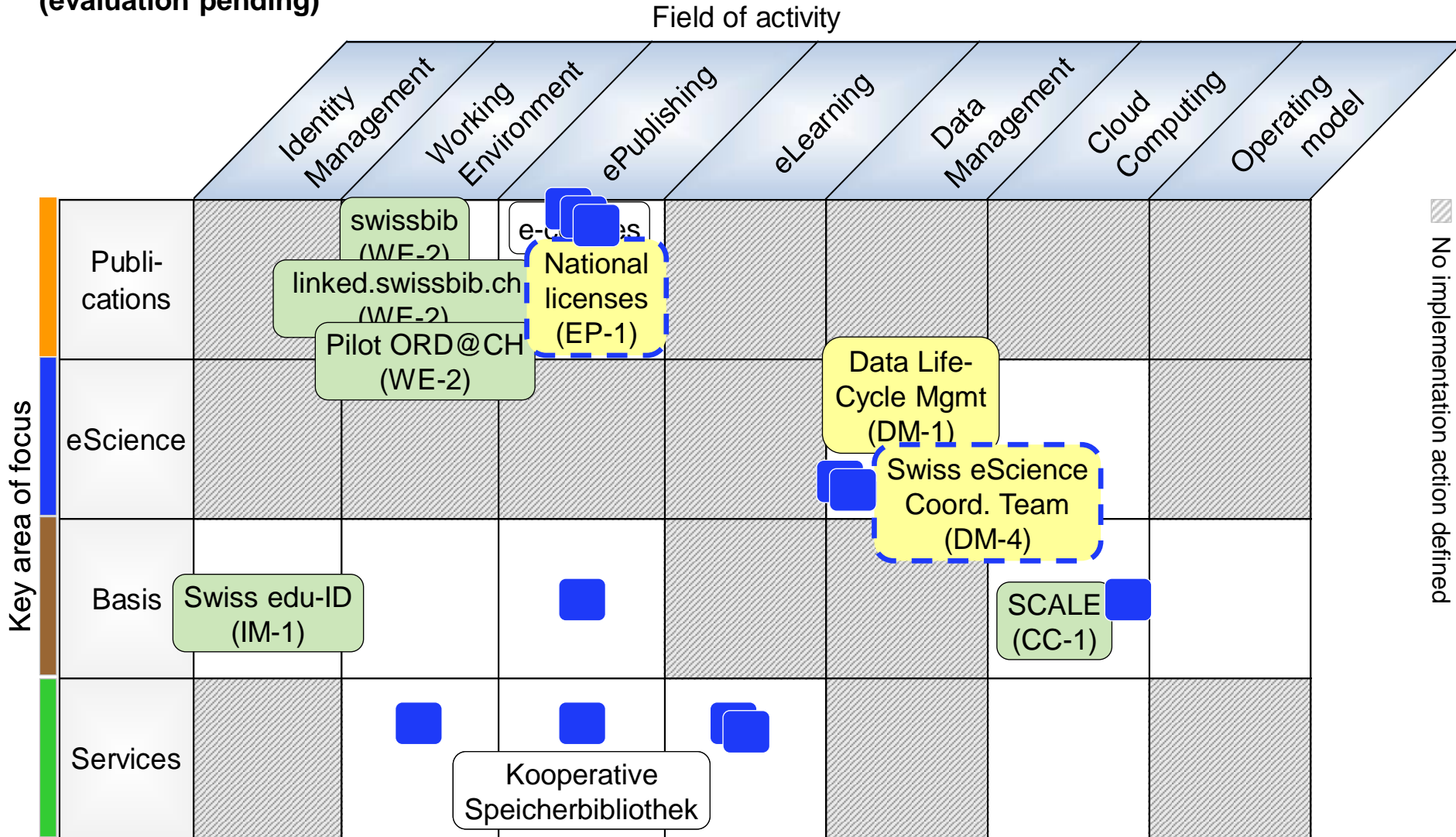


Project portfolio

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

Legend:

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



Outlook

Gabi Schneider



Establish a service market

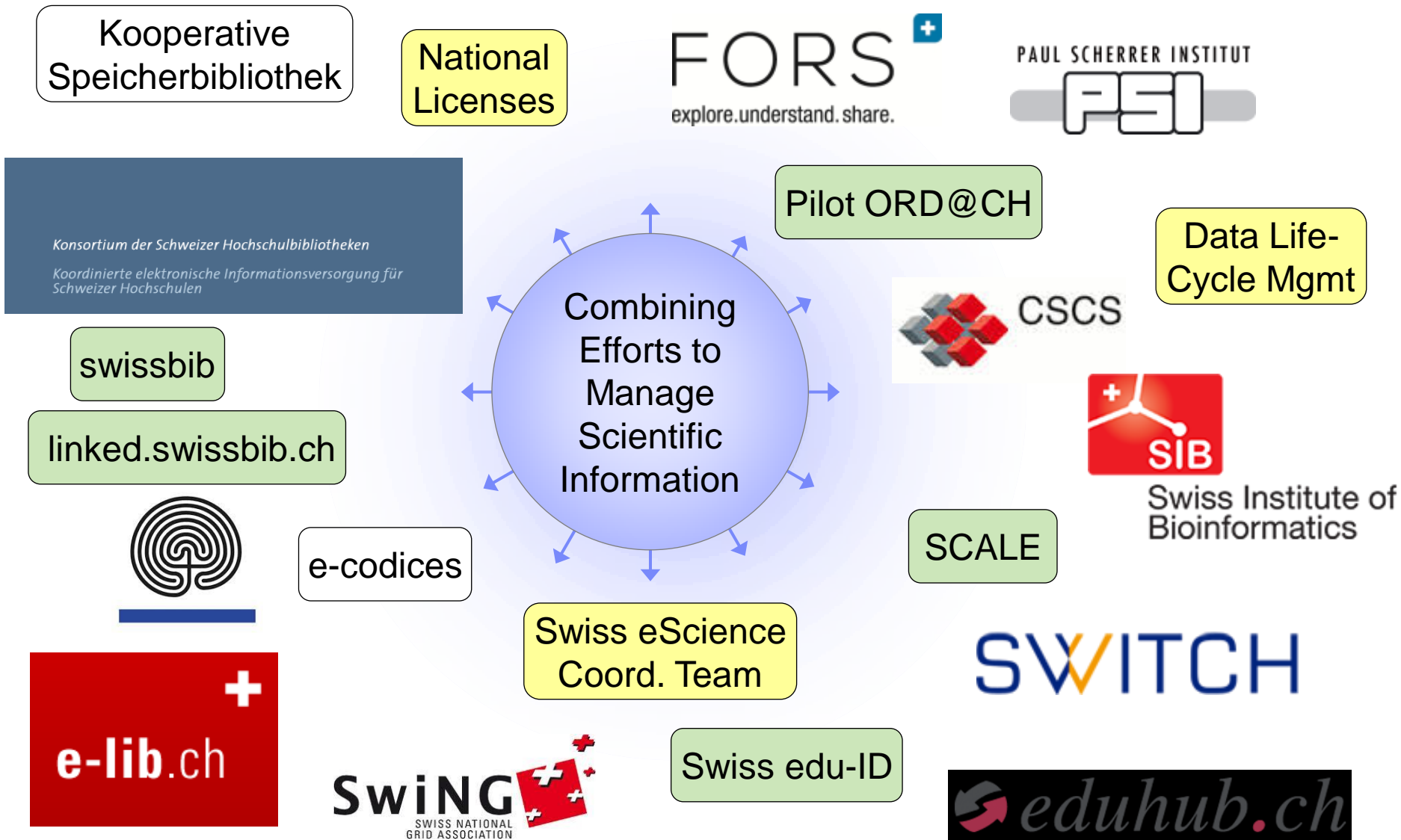
“The P-2 program funds the development of national solutions in the area of digital scientific information. It aims to build up **a service network for the Swiss scientific community** that enables easy access to publications and data, and at the same time provides tools for processing and safeguarding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





crus.ch

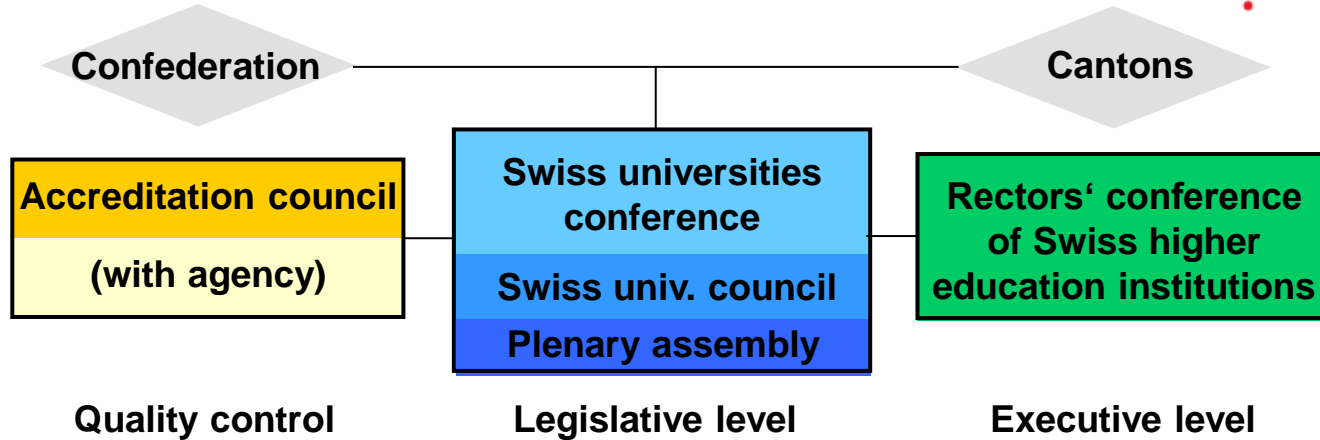
Rektorenkonferenz der Schweizer Universitäten
Conférence des Recteurs des Universités Suisses
Conferenza dei Rettori delle Università Svizzere
Rectors' Conference of the Swiss Universities

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?



© «Star Trek into Darkness»

Program management: isci@crus.ch

Website: www.crus.ch/isci

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