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The SUK P2 NeI-CH project

The EGI link

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CSCS Lugano, 2015-08-21

Consolidation of Swiss EGI participation :

- from a many FTE to a fraction of an FTE project

Google Translate x SBB: Online-Fahrplan. x SUK P-2: Laufende Projekt x

www.swissuniversities.ch/de/organisation/projekte-und-programme/suk-p-2-wissensch-information-zugang-verarbeitung-s...

Openings My Bookmarks SUSY-Run-2 FCC E-Kutsche Nel-CH Imported From Safari ATLAS Shifts Other Bookmarks

- Fördermittel: CHF 650'000

Nel-CH (142-013) / Abstract / Projektwebseite

- Projektleitung: Sigve Haug, Universität Bern
- Partner: CSCS, Paul Scherrer Institut, Universität Bern, Université de Genève, Universität Zürich, SwiNG
- Projektdauer: 01.2015 - 12.2016
- Fördermittel: CHF 402'000

Covers the EGI fee, central operation, certificate authority, some travel, some development (e.g. testing/porting to Swiss and European cloud infrastructures), costs around Swiss EGI participation (council ...) ... also resources for you here !

SUK P-2 "Wissenschaftliche Information: Zugang, Verarbeitung und Speicherung"
CUS P-2 «Information scientifique: accès, traitement et sauvegarde»
SUC P-2 "Scientific information: access, processing and safeguarding"

Abstract

Nel-CH (142-013)

National e-Infrastructure link for Switzerland

Nel-CH seeks to connect Swiss e-Infrastructure efforts to the EU-sponsored, Pan-European computing e-Infrastructures, EGI. The EU seeks to form a common European Research Area (ERA) to facilitate international research and increase European research competitiveness. EGI is an important element of this, a large-scale computational infrastructure and set of supporting technical and coordination services. Originally built out of the grid computing efforts connected to the LHC (Large Hadron Collider), EGI has expanded in scope, serving numerous communities from life sciences to digital cultural heritage. It also moved beyond 'grid' to focus on new technologies such as cloud computing and data management. EGI now offers a technology-neutral management, coordination and support platform to which different technologies can be connected. EGI provides the commodity-computing layer of the EU e-Infrastructure, working with other layers such as GEANT for networks and PRACE for supercomputing, and offering services to groups such as EUDAT and ESFRI clusters.

As Swiss researchers rely on these EU e-Infrastructures, SwiNG (Swiss National Grid Association) was founded with the support of the directors and rectors of its 18 member institutions in 2007 to represent Swiss in this field and to be the required national partner for EGI. SwiNG has been supported by SERI, which provided funds to support SwiNG in 2010-2012 and directed funds to SUC for 2013-2016 according to the roadmap for research infrastructures.

EGI has evolved to support nearly all scientific domains but the physics community in Switzerland has still largely carried the burden of supporting EGI interaction. This puts the other research domains at disadvantage as their interests may not be represented and the physics community in Switzerland cannot sustain supporting other communities. In order to support this essential EU e-Infrastructure interaction for all research domains for truly national representation it is essential for national support as recognized in the SERI Roadmap for Research Infrastructures.

Project webpage

The screenshot shows a web browser window with the address bar displaying www.lhep.unibe.ch/neich/. The browser's bookmark bar includes folders for 'nings', 'My Bookmarks', 'SUSY-Run-2', 'FCC', 'E-Kutsche', 'NeI-CH', 'Imported From Safari', and 'ATLAS Shifts'. Below the browser, a navigation menu contains links for 'Studium', 'Campus', 'Bibliotheken', 'Forschung', 'Organisation', 'Arbeiten an der Uni', and 'Orientierung'. A search bar is present with the text 'Search | Contacts | Location map'. The main content area features a header for 'Laboratory for High Energy Physics' with an image of the LHEP facility. The central section is titled 'National e-Infrastructure Link - NeI-CH' and describes the project's role in connecting Swiss universities to the European e-Infrastructure (EGI). It lists services such as Swiss membership, representation in the EGI council, and integration of science projects. A 'Project management and contact' section identifies Sigve Haug as the manager and Gianfranco Sciacca as the operational manager. The 'Project partners' section lists AEC-LHEP University of Bern, CSCS ETHZ, DPNC University of Geneva, ID University of Bern, S3IT University of Zurich, Paul Scherrer Institute, and SwiNG. On the right side, the University of Bern logo is displayed, along with the AEC (Albert Einstein Center for Fundamental Physics) logo. Below this, there are sections for 'Links' (SwiNG, EGI.eu, SUC P2, CHIPP, Bioinformatics Bern) and 'Events' (EGI Conference 2015, NG Conference 2015). A sidebar on the left contains links for 'Home', 'About', and 'EGI Project Portefolio'.

www.lhep.unibe.ch/neich/

nings My Bookmarks SUSY-Run-2 FCC E-Kutsche NeI-CH Imported From Safari ATLAS Shifts

Studium | Campus | Bibliotheken | Forschung | Organisation | Arbeiten an der Uni | Orientierung

Search | Contacts | Location map

Laboratory for High Energy Physics

National e-Infrastructure Link - NeI-CH

NeI-CH is the the Swiss national e-Infrastructure Link towards the European e-Infrastructure EGI. It is operated by AEC-LHEP on a mandate from SwiNG which is owned by the majority of Swiss universities.

Services

- Swiss membership and access to EGI
- Swiss representation in the EGI.eu council
- Central operation of Swiss parts of the EGI infrastructure
- Integration of Swiss science projects into EGI related projects

Project management and contact

For access to the services please contact the project manager.

- [Sigve Haug](#) (manager), AEC-LHEP University of Bern
- Gianfranco Sciacca (operational manager), AEC-LHEP

NeI-CH is co-funded by the SUC P2 program 2013-2016.

Project partners

- AEC-LHEP University of Bern
- CSCS ETHZ
- DPNC University of Geneva
- ID University of Bern
- S3IT University of Zurich
- Paul Scherrer Institute
- SwiNG

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Links

- >> SwiNG
- >> EGI.eu
- >> SUC P2
- >> CHIPP
- >> Bioinformatics Bern

Events

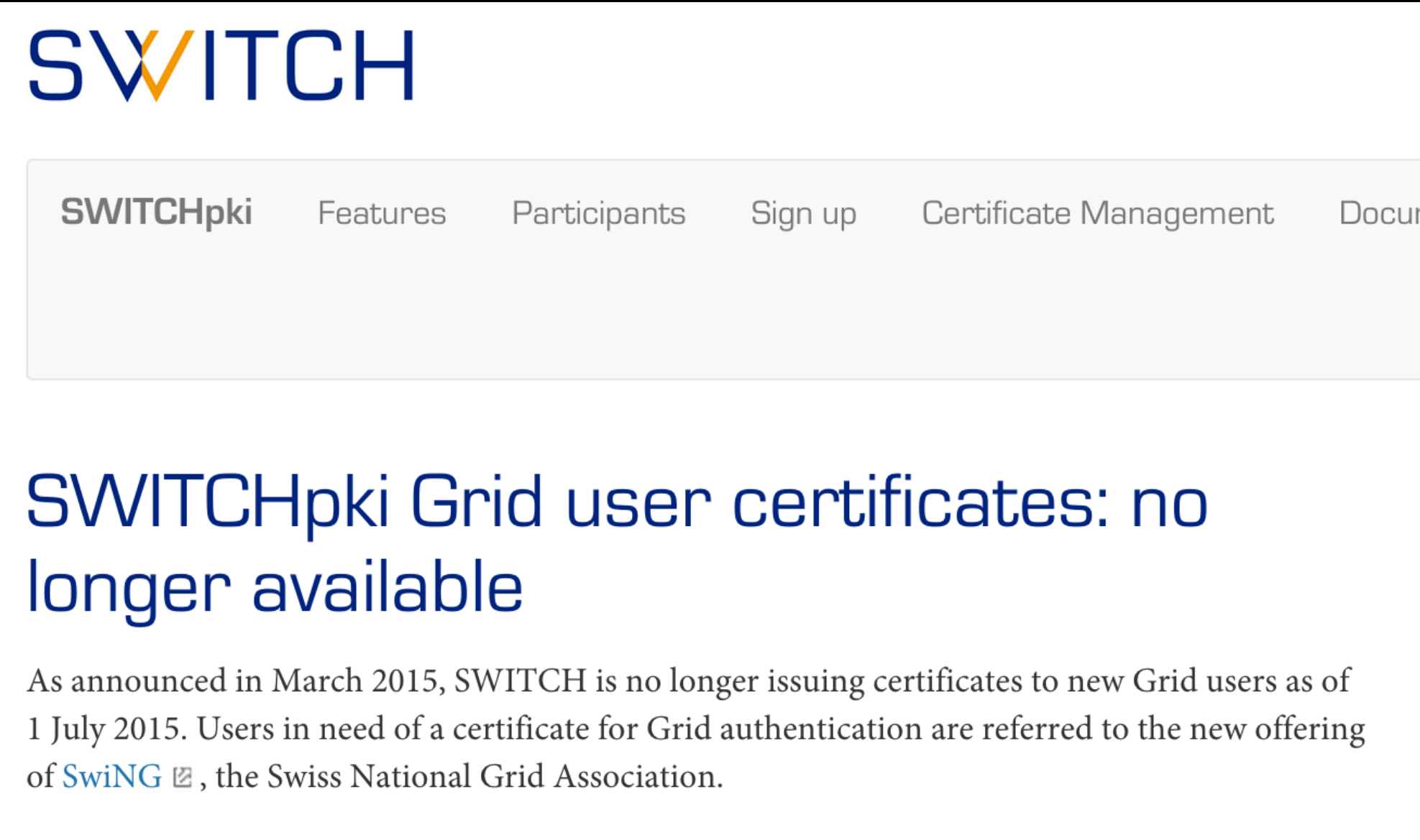
- >> EGI Conference 2015
- >> NG Conference 2015

Home

About

EGI Project Portefolio

NEW !!!




The screenshot shows the SWITCH website header with the logo and a navigation menu. The main heading reads "SWITCHpki Grid user certificates: no longer available". Below this, a paragraph explains that SWITCH stopped issuing certificates to new Grid users as of July 1, 2015, and directs users to SwiNG, the Swiss National Grid Association.

SWITCH

SWITCHpki Features Participants Sign up Certificate Management Docu...

SWITCHpki Grid user certificates: no longer available


As announced in March 2015, SWITCH is no longer issuing certificates to new Grid users as of 1 July 2015. Users in need of a certificate for Grid authentication are referred to the new offering of [SwiNG](#) , the Swiss National Grid Association.

Switzerland has a new certificate authority

Google Translate x SBB: Online-Fahrplan. x Certificates x

www.swing-grid.ch/Certificates/

pps Openings My Bookmarks SUSY-Run-2 FCC E-Kutsche Nel-CH Import



Home | Our users ▾ | **Certificates** | Network ▾ | Events | About ▾ | Cor

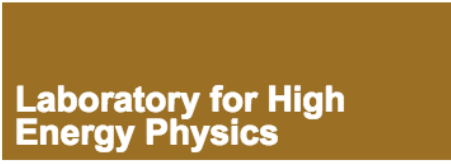
Certificates

SWISS NATIONAL GRID / CERTIFICATES

Certificates

SwiNG provides the internationally recognised signing of eScience certificates for its member institutions through the University of Bern. The certificates are accredited by the EUGridPMA, the international organisation that coordinates the trust fabric for eScience Grid authentication in Europe. This accreditation allows the certificates to be used in Grid applications compliant with the International Grid Trust Federation (IGTF). The certificates are signed by the **EGI** Certificate Authority for which the University of Bern acts as Registration Authority for Switzerland.

Please follow this [link](#) to create and request signing of eScience certificates.



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[Home](#)

eScience Certificate Signing Request

In order to get a user or host certificate signed, please follow the instructions below. Within four working days you will receive an email with your signed certificate. The certificates are signed by the Certificate Authority of EGI.eu. Please contact sits.lhep@lists.unibe.ch if needed.

User Certificate Request

On the machine you submit your grid jobs, issue the following commands:

- `openssl req -newkey rsa:2048 -subj "/DC=EU/DC=EGI/C=CH/O=People/O={Full name of your institution}/CN={Firstname Lastname as in provided ID}" -out cert_sign_request.pem`

Curly brackets must be removed ! The command also creates `privkey.pem`. Keep it safe.

With the following command you may inspect your request:
`openssl req -in cert_sign_request.pem -noout -text -nameopt sep_multiline.`

- Email your request by [clicking here](#). Follow the instructions in the email template. A first time request requires identification (see below).

Certificate and Key Installation

After you receive your signed certificate by email:


- save it as `$HOME/.globus/usercert.pem`. `chmod 444`

EGI Catch-All provider

see-grid-ca.hellasgrid.gr

Openings My Bookmarks SUSY-Run-2 FCC E-Kutsche Nel-CH Imported From Safari ATLAS Shifts Other

“SEE-GRID CA provides Catch-All PKI services to organizations collaborating with GRNET and the European Grid Initiative.”



A world map with several red location pins indicating service locations. The pins are located in France, Romania, Greece, Turkey, Mauritania, Niger, and South Africa. The map shows major geographical features like the North Atlantic Ocean, Mediterranean Sea, and Indian Ocean, along with country names.

We pay, but it is a good price !

EGI Community Forum 2015

Community Forum 2015

Building Next Generation e-Infrastructures through Communities

Bari, Italy, 10-13 November 2015

[Submit your proposal before Sunday, 19 July 2015](#)

Nowadays, research practice is increasingly and in many cases exclusively data driven. Knowledge of how to use tools to manipulate research data, and the availability of e-infrastructures to support them, are foundational. Along with this, new types of communities are forming around interests in digital tools, computing facilities and data repositories.

By making infrastructure services, community engagement and training inseparable, existing communities can be empowered by new ways of doing research, and new communities can be created around tools and data. The EGI Community Forum aims at gathering tool developers, infrastructure providers, data providers and research communities to work together towards open science.

Call for Participation



NEWS

Germany joins EGI Council



Sy Holsinger • 10 August