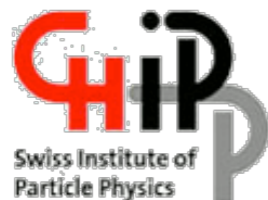


**Nel-CH**  
**(used to be NGL-CH)**  
**In-Person Meeting**  
**2015-01-29**

Sigve Haug

[www.swing-grid.ch](http://www.swing-grid.ch)  
[operations@swing-grid.ch](mailto:operations@swing-grid.ch)



$u^b$

---

<sup>b</sup>  
UNIVERSITÄT  
BERN

AEC  
ALBERT EINSTEIN CENTER  
FOR FUNDAMENTAL PHYSICS

# AGENDA

**14:00 Introduction and announcements (Sigve)**

**14:05 Report on operations (Gianfranco, all)**

- Central
- Roundtable

**14:35 Funding status / Nel-CH project (Sigve)**

**14:50 News from EGI (Sigve)**

**15:00 AOB (all)**

**15:30 End of meeting**

# Nel-CH Sites in 2015

From EGI Grid Operation Center DB (GOCDB) :

CSCS-LCG2	Certified	Production
SWITCH	Certified	Test
T3_CH_PSI	Certified	Production
UNIBE-ID	Certified	Production
UNIBE-LHEP	Certified	Production
UNIGE-DPNC	Certified	Production
UZH	Certified	Test

# Nel-CH Roles and operation 2015

- **Central operation manager : Gianfranco Sciacca (need for a deputy?)**
- **International liaison : Sergio Maffioletti**
- **EGL Council representative : Sigve Haug**
- **EGL Council rep. alternate 1 : Christoph Grab**
- **EGL Council rep. alternate 2 : Dean Flanders (FMI) ?**
- **Project manager : Sigve Haug**

**Operational communication via <which list> and monthly telco meetings. In-person meetings as part of CHIPP CB meetings.**

# EGI Accounting 2014 (walltime)

The following table shows the distribution of Total elapsed time grouped by SITE and VO.

Total elapsed time [units Hours] by SITE and VO															
SITE	aec	alice	atlas	cms	dteam	geant4	hone	ilc	lhcb	None	ops	t2k.org	vo.delphi.cern.ch	Total	%
CERN-PROD	0	22,013,144	24,187,818	9,727,246	8	189,577	0	439,363	9,441,454	0	3,629	0	0	66,002,239	73.32%
CSCS-LCG2	0	0	5,074,843	6,721,756	0	0	38,760	0	3,647,786	0	1,358	0	0	15,484,503	17.20%
UNIBE-ID	0	0	1,753,981	0	0	0	0	0	0	25	184	0	0	1,754,190	1.95%
UNIBE-LHEP	65,596	0	6,342,434	0	0	0	0	0	0	1,728	187	16,223	0	6,426,168	7.14%
UNIGE-DPNC	0	0	349,770	0	0	0	0	0	0	0	0	0	0	349,770	0.39%
<b>Total</b>	<b>65,596</b>	<b>22,013,144</b>	<b>37,708,846</b>	<b>16,449,002</b>	<b>8</b>	<b>189,577</b>	<b>38,760</b>	<b>439,363</b>	<b>13,089,240</b>	<b>1,753</b>	<b>5,358</b>	<b>16,223</b>	<b>0</b>	<b>90,016,870</b>	
<b>Percentage</b>	<b>0.07%</b>	<b>24.45%</b>	<b>41.89%</b>	<b>18.27%</b>	<b>0.00%</b>	<b>0.21%</b>	<b>0.04%</b>	<b>0.49%</b>	<b>14.54%</b>	<b>0.00%</b>	<b>0.01%</b>	<b>0.02%</b>	<b>0.00%</b>		
<a href="#">Click here for a CSV dump of this table</a>															
<a href="#">Click here for a Extended CSV dump of this table</a>															
<a href="#">Click here for XML encoded data</a>															

Not checked against local accounting

## Meetings and events 2014 Q1/2

- 2015-01-29      NGI-CH In-person meeting
- 2015-02-11/12      EGI Strategy workshop and council
- 2015-05-18-22      EGI Community Forum Lisbon (council etc)
- 2015-06-4/5      NorduGrid Conference in Bern (technical meetings on 2/3)

# **Status operations**

## **(Gianfranco)**

# **Funding Status / Nel-CH project**

# SUC P2 Nel-CH approved ([lhep.unibe.ch/neich/](http://lhep.unibe.ch/neich/)):

1.1	Short project title <i>max. 20 characters</i>	Nel-CH
1.2	Full project title	National e-Infrastructure link for Switzerland
1.3	Application date	2014.08.10
1.4	Planned project duration <i>start/end</i>	2015.01.01 to 2016.12.31
1.5	Applicant institution	University of Bern
1.6	Partner institution(s)	CSCS, PSI, UNIBE, UNIGE, UZH, SwiNG
1.7	Project manager First & last name: Institution, address: Telephone, E-mail:	Sigve Haug AEC-LHEP UNIBE, Sidlerstrasse 5, CH-3012 +41-31-631-4062, sigve.haug@lhep.unibe.ch
1.8	Deputy PM First & last name: Institution, address: Telephone, E-mail:	Gianfranco Sciacca AEC-LHEP UNIBE, Sidlerstrasse 5, CH-3012 +41-31-631-4062,
1.9	Funding [CHF] Project total: Own funding: Funding applied for:	648,000 274,000 374,000

EGI fee covered for 2015 and 2016.  
Central operation funded.  
Some money for extension to  
other user communities  
8k CHF / year for travels

Reporting - also matching (unfortunately)  
Suggestion: Quarterly report with ~hours  
(and if the case) other expenses. Format?  
Financial report by eoy for upper lever,  
other progress directly/more informally with  
swissuniversities.



# News from EGI

# EGI.eu budget 2015 :

Projected Balance (31/12/15)				
<i>Balance (1/1/15)</i>	<b>1,129,088</b>			
<b>Project Income</b>	<b>1,509,380</b>	<b>Project Expenditure</b>	<b>1,453,926</b>	<b>FTEs</b>
ongoing NLP projects	49,354	<b>Personnel Costs (1):</b>		
EGI-ENGAGE Personnel	645,167	Project salaries Core staff	524,799	5.5
e4ERA Personnel	163,280	Project salaries non-core staff	712,065	8.5
eInfra-1 (5)	124,560	<b>Other Costs:</b>		
AARC	52,128	Travel non-project (3)	30,000	
Projects Other costs	187,062	Travel project	52,632	
Projects Funded Indirect costs	287,830	Project central budget	134,430	
		<b>Projected surplus (31/12/15)</b>	<b>55,455</b>	
<b>Participants Income</b>	<b>1,189,000</b>	<b>Non Project Expenditure</b>	<b>1,229,513</b>	
EGI.eu Participants	1,189,000	<b>Core staff salaries non rechargeable to project</b>	386,375	3.5
		Settlement costs	38,817	
		<b>EGI Core activities 40% (2):</b>	609,521	
		<b>Office Costs (3):</b>	<b>194,800</b>	
		Facilities costs (inc ICT, misc)	133,300	
		Administration/legal costs	55,500	
		Staff development	6,000	
		<b>Projected surplus (31/12/15)</b>	<b>-40,513</b>	
<b>Total income project</b>	<b>1,509,380</b>	<b>Total Personnel Costs</b>	<b>1,662,056</b>	
<b>Total participants income</b>	<b>1,189,000</b>	<b>Total other costs</b>	<b>411,862</b>	
		<b>Total core activities costs</b>	<b>609,521</b>	
<b>TOTAL</b>	<b>2,698,380</b>		<b>2,683,439</b>	
		<b>End of year result (31/12/15)</b>	<b>14,941</b>	
		<b>Projected Balance (31/12/15)</b>	<b>1,144,029</b>	

# New EGI fees :

Category (1)	Full Participant Fee (€)	Associate Participant Fee (€)	Votes
> 2,000,000	€ 90,000.00	€ 45,000.00	90
750,000 < x ≤ 2,000,000	€ 75,000.00	€ 37,500.00	75
300,000 < x ≤ 750,000	€ 55,000.00	€ 27,500.00	55
100,000 < x ≤ 300,000	€ 40,000.00	€ 20,000.00	40
30,000 < x ≤ 100,000	€ 25,000.00	€ 12,500.00	25
0 < x ≤ 30,000	€ 10,000.00	€ 5,000.00	10

(1) Category: GDP (Millions of US\$) or budget of the Head Quarter in €/1000 for EIRO, ERICs, ESFRIs

## EGI Horizon 2020 projects :

List (in order of [EGI.eu](http://EGI.eu) funded effort):

- EGI-Engage (coordinator: [EGI.eu](http://EGI.eu))
- INDIGO-DataCloud (coordinator: INFN)
- AARC (coordinator: GEANT Association/TERENA)

External collaborations (i.e. with no funded participation)

- EUDAT 2020 (coordinator: CSC)
- PhenoMeNal (coordinator: EMBL)

Participant	Category	Full Participant fee Amount (€)	Votes	Transitional Participant fee Amount (€) (1)
Germany	> 2,000,000	€ 90,000	90	€ 90,000
France		€ 90,000	90	€ 90,000
United Kingdom		€ 90,000	90	€ 90,000
Russia (JINR)		€ 90,000	90	€ 49,000
Italy		€ 90,000	90	€ 90,000
Spain	750,000 < x ≤ 2,000,000	€ 75,000	75	€ 75,000
Turkey		€ 75,000	75	€ 59,000
Netherlands		€ 75,000	75	€ 75,000
Switzerland	300,000 < x ≤ 750,000	€ 55,000	55	€ 55,000
Sweden		€ 55,000	55	€ 55,000
Poland		€ 55,000	55	€ 55,000
Norway		€ 55,000	55	€ 55,000
Belgium		€ 55,000	55	€ 55,000
Austria (HEPFY-OAW)		€ 55,000	55	€ 32,000
Denmark		€ 55,000	55	€ 55,000
Israel		100,000 < x ≤ 300,000	€ 40,000	40
Finland	€ 40,000		40	€ 40,000
Greece	€ 40,000		40	€ 40,000
Portugal	€ 40,000		40	€ 40,000
Czech Republic	€ 40,000		40	€ 40,000
Romania	€ 40,000		40	€ 31,000
Hungary	€ 40,000		40	€ 31,000
Slovakia	30,000 < x ≤ 100,000		€ 25,000	25
Luxembourg		€ 25,000	25	€ 15,000
Croatia		€ 25,000	25	€ 17,000
Bulgaria		€ 25,000	25	€ 15,000
Lithuania		€ 25,000	25	€ 14,000
Slovenia		€ 25,000	25	€ 18,000
Serbia		€ 25,000	25	€ 15,000
Latvia		€ 25,000	25	€ 14,000
Estonia	0 < x ≤ 30,000	€ 10,000	10	€ 7,000
Cyprus		€ 10,000	10	€ 7,000
Bosnia & Herzegovina		€ 10,000	10	€ 7,000
Albania		€ 10,000	10	€ 5,000
Armenia (IIAP)		€ 10,000	10	€ 6,000
Macedonia		€ 10,000	10	€ 6,000
RENAM (Moldova)		€ 10,000	10	€ 6,000
Montenegro		€ 10,000	10	€ 6,000
CERN	EIRO's	€ 75,000	75	€ 40,000
EMBL	budget/1000	€ 40,000	40	€ 22,000

(1) Blue cells: transitional rate applicable to full participants in 2015

# The 17 EGI Core Services (40% funded by fee):



## Overview of performance May-Oct 2014

Core activity	Achieved OLA targets	Level of activity/usage required by the infrastructure
Message Broker Network	Yes with some issues	Higher than expectations
Operations Portal	Yes with some issues	In line with expectations
Accounting Repository	Yes	In line with expectations
Accounting and Metric Portal	Yes with some issues	In line with expectations
SAM central services	Yes with some issues	In line with expectations
Monitoring central services	Yes	In line with expectations
Security monitoring and related support tools	Yes	In line with expectations
Service registry (GOCDDB)	Yes	In line with expectations
Catchall services	Yes	Review
Operations support	Yes	Review
Security coordination	Yes	Higher than expectations
Acceptance criteria	Yes	In line with expectations
Collaboration tools/IT support	Yes	In line with expectations
Staged Rollout	Yes	In line with expectations
Software provisioning infrastructure	Yes	In line with expectations
Incident management helpdesk	Yes	In line with expectations
1st and 2nd level support	Yes	In line with expectations

# Obstacles 2014:

Following countries decided to leave EGL.eu end 2014:

- Norway
- Denmark
- Israel (IUCC)
- Montenegro (MGI)
- Bosnia Herzegovina

How the WLCG participation, in particular with Norway and Denmark, now should work, is to be clarified (NGIs were not aware of the consequences).

Germany aims for rejoining in 2016

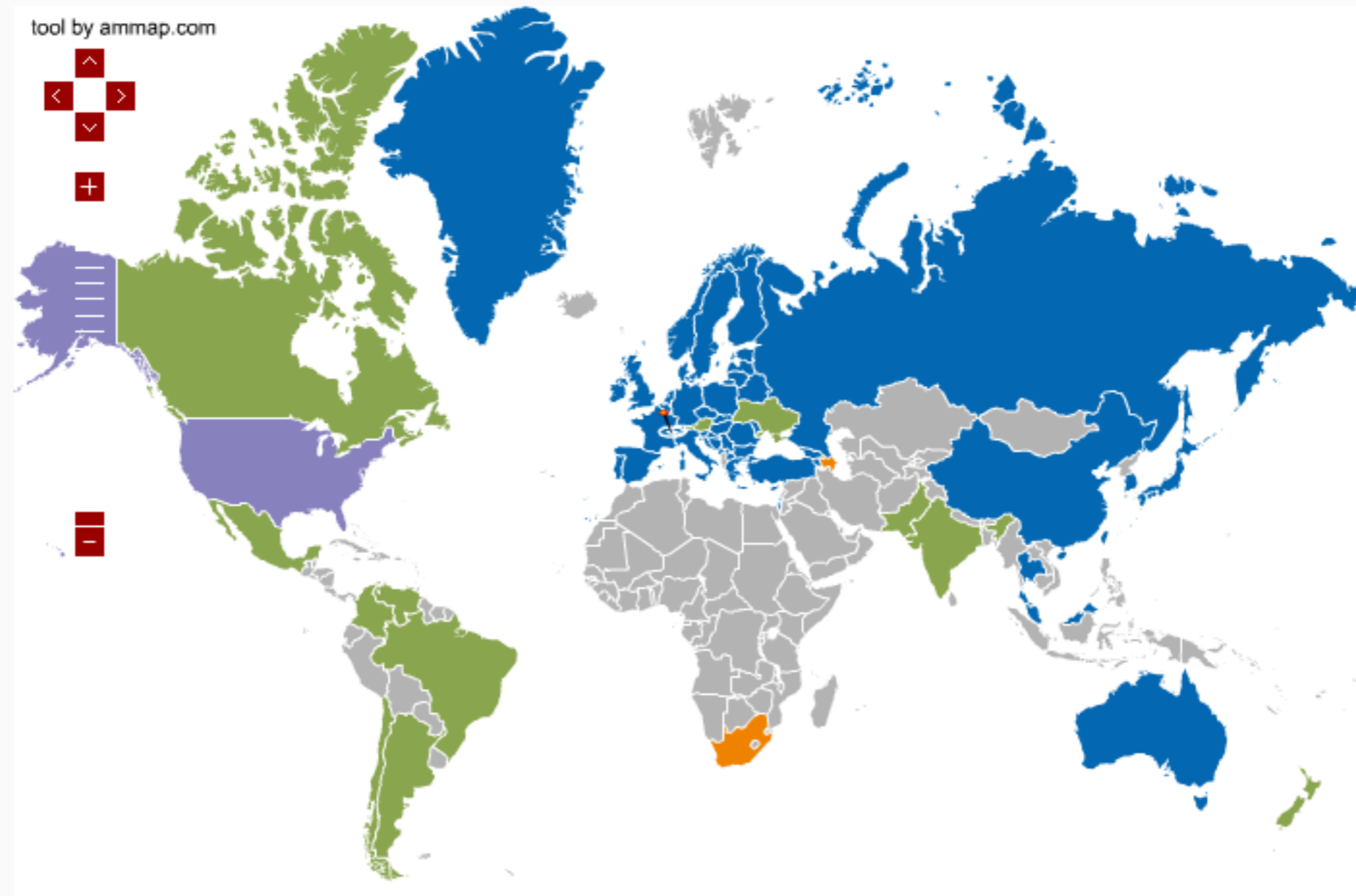
- Currently granted access to services due to in-kind contributions

# **Additional Material**

# EGI is world wide

Caption (as of July 2012)  
blue: EGI council members and EGI-InSPIRE partners  
green: integrated resource infrastructure providers  
purple: peer resource infrastructure providers  
orange: resource providers under integration

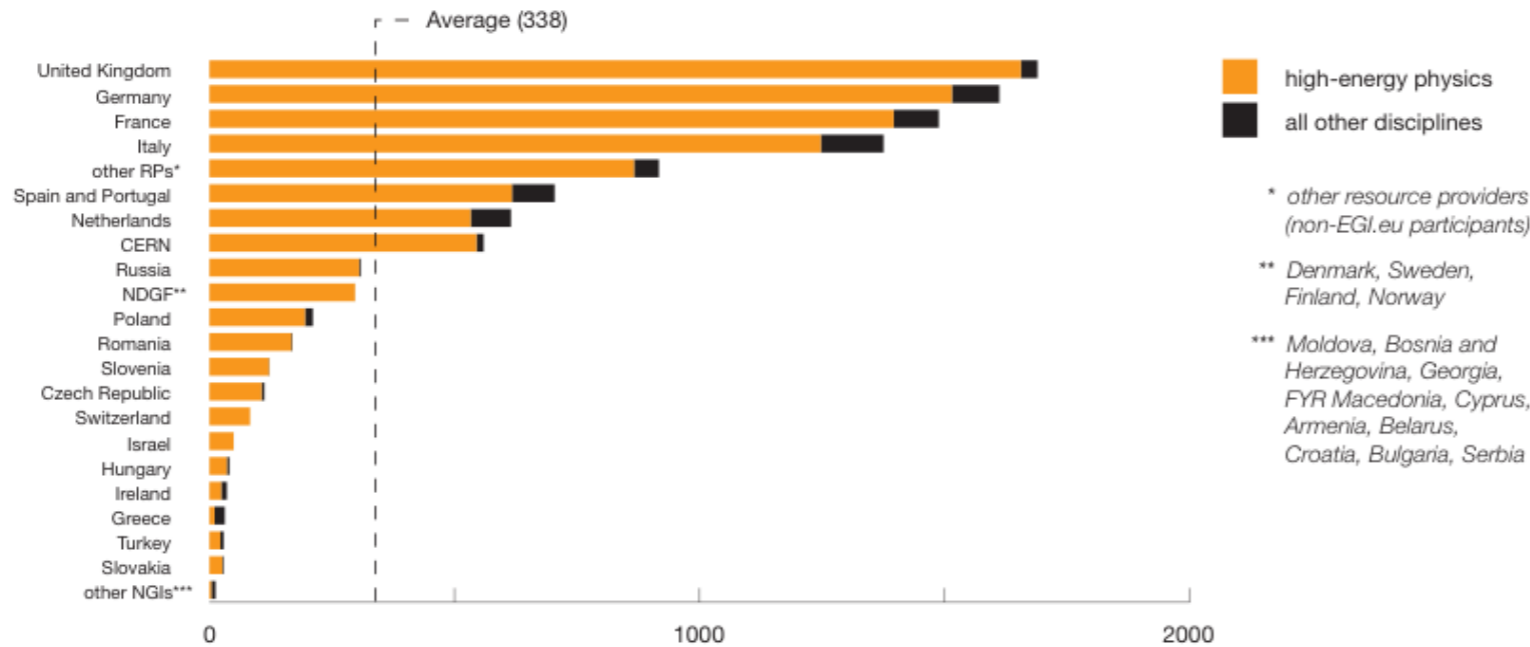
## The European Grid Infrastructure



# EGI Usage per science community

[http://www.egi.eu/export/sites/egi/news-and-media/EGI\\_AnnualReport2012.pdf](http://www.egi.eu/export/sites/egi/news-and-media/EGI_AnnualReport2012.pdf) and 2013 (bottom)

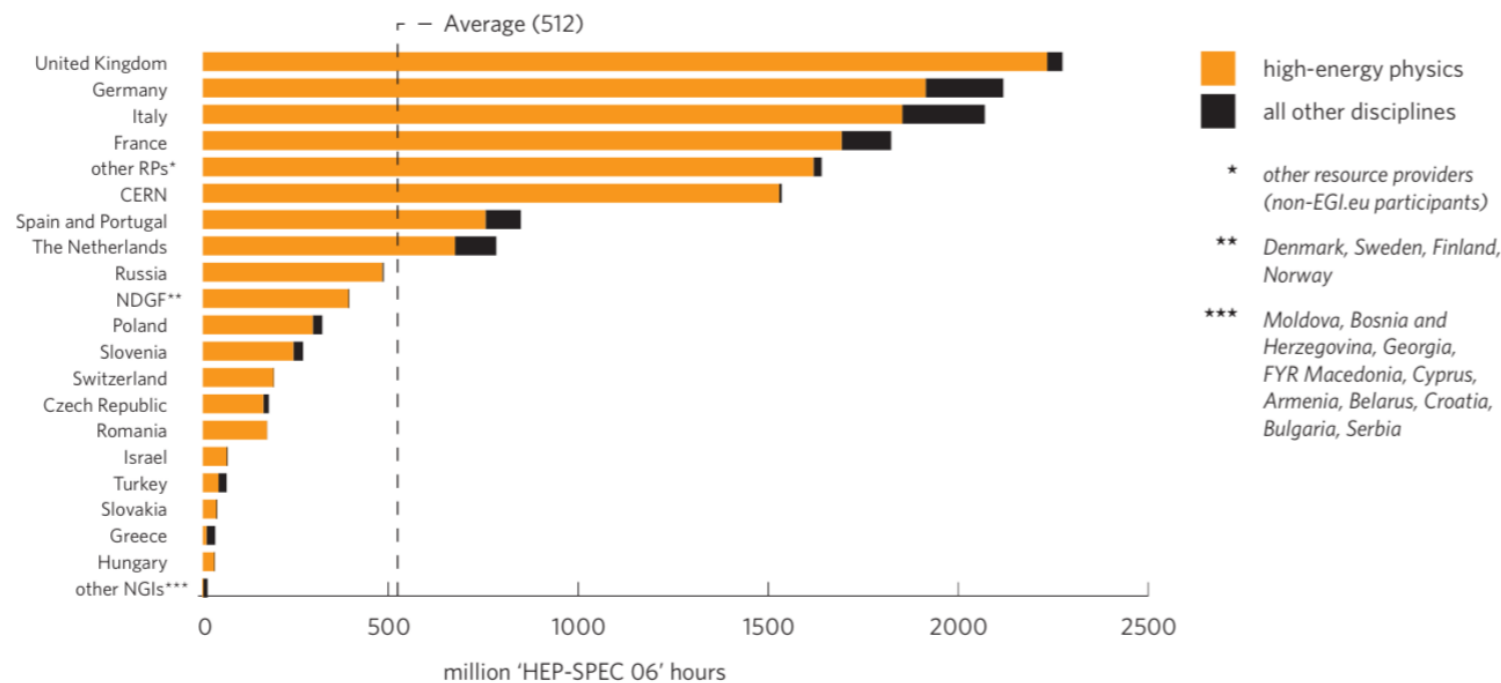
Usage of NGI grid computing resources:



## EGI IN NUMBERS

- EGI Council participants: 40
- Resource providers: 40
- 22,067 users in 212 virtual organisations
- CPU cores (including integrated infrastructures): 372,584
- Computing capacity: 2.5 million HEP-SPEC 06
- Usage: 1.67 million (grid only) and 2.25 million (grid and local) jobs per day

Usage of NGI grid computing resources:

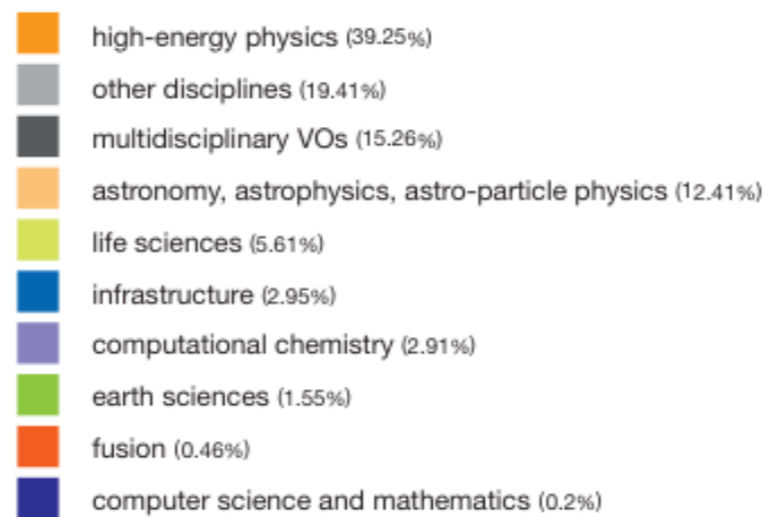
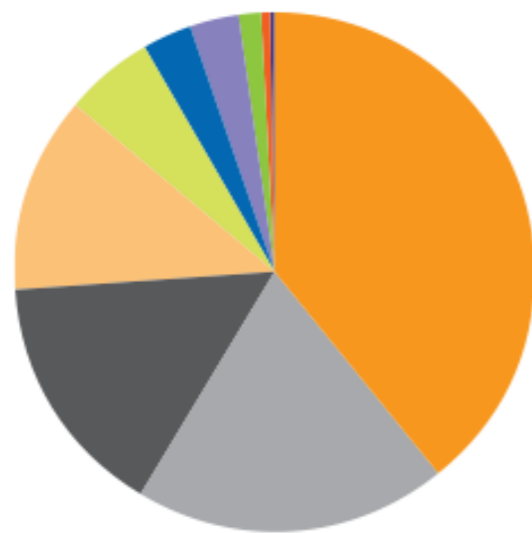




# EGI Users and science communities

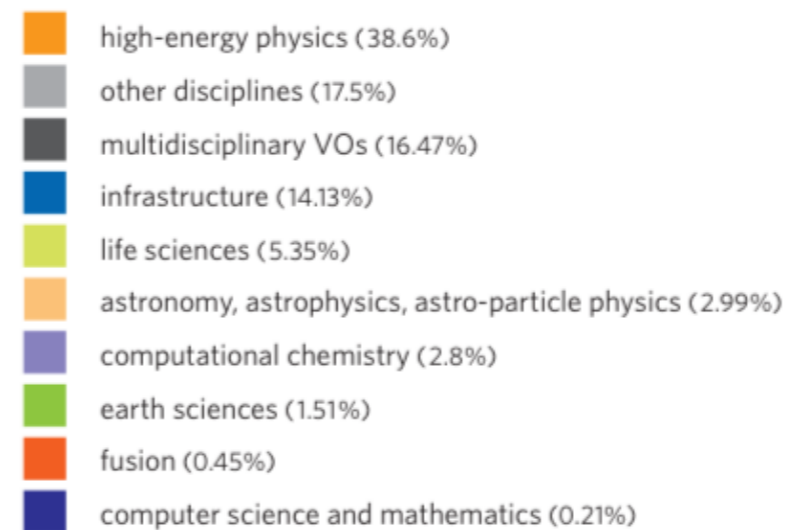
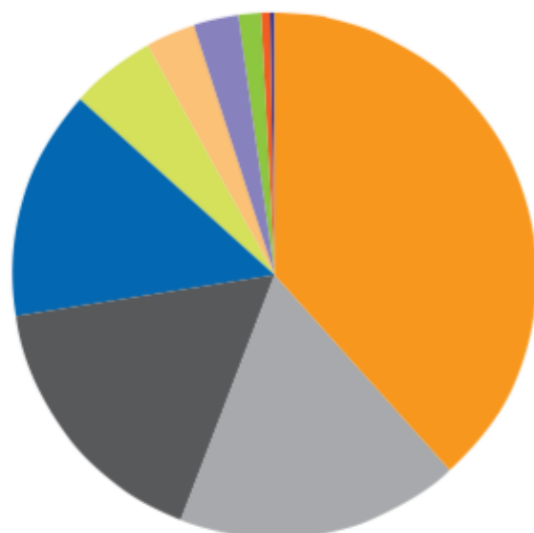
[http://www.egi.eu/export/sites/egi/news-and-media/EGI\\_AnnualReport2012.pdf](http://www.egi.eu/export/sites/egi/news-and-media/EGI_AnnualReport2012.pdf) and 2013

Registered grid users by research discipline:



Total number of users = 20,883 (April 2012)

Registered grid users by research discipline:



Total number of users = 22,067 (March 2013)

# EGI Organization

**Federation of hundreds of sites in 30-40 countries requires an**

- **International governing layer**

**This is EGI.eu. It is a thin layer based on National Grid Infrastructures (NGI) in which sites are nationally organized**

- **International management layer.**

**Head quarter in Amsterdam Science Park**

- **Central IT services**

**Partly in Amsterdam, partly decentralized in the NGIs**

**Resource database (GOCDDB), Accounting database , Monitoring portal. Operation portal, Helpdesk etc ...**

# EGI Organization

**EGI.eu is a Netherlandish foundation. It's council consists of the National Grid Infrastructures (NGI) and CERN.**

**EGI.eu runs 2 EC projects and participates in another 8.**

**EGI.eu plans to become a European Research Infrastructure Consortium (ERIC) according to EU law.**

**(NGI-CH = SwiNG)**

Table showing EGI.eu participation fees for 2011:

PARTICIPANTS	INCOME	PARTICIPANTS	INCOME
NGI-DE	79,880	NGI-RO	19,970
NGI-UK	79,880	NGI-HU	19,970
NGI-FR	79,880	NGI-SK	9,985
NGI-IT	79,880	NGI-HR	9,985
NGI-ES	59,910	NGI-SI	9,985
NGI-NL	39,940	CERN	4,993
NGI-TR	39,940	NGI-CY	4,993
NGI-CH	39,940	NGI-EE	4,993
NGI-BE	39,940	NGI-RU	4,681
NGI-SE	39,940	NGI-BA	3,994
NGI-PL	39,940	NGI-BG	3,994
NGI-NO	39,940	NGI-RS	3,994
NGI-GR	29,955	NGI-LT	3,994
NGI-DK	29,955	NGI-LV	3,994
NGI-FI	29,955	NGI-MK	1,997
NGI-IE	29,955	NGI-ME	1,997
NGI-PT	29,955	NGI-MD	1,405
NGI-IL	19,970	NGI-LU	1,248*
NGI-CZ	19,970	NGI-AM	281*
<b>TOTAL</b>			<b>965,128</b>

# Swiss National Grid Association

**The Swiss National Grid Association was founded by 18 Swiss Higher Education and Research institution in 2008.**

- **A main task was to provide the Swiss NGI towards EGI**

- Ensure competitiveness of Swiss science, education and industry by creating value through resource sharing.
- Establish and coordinate a sustainable Swiss Grid infrastructure as a dynamic network of resources across different locations and administrative domains.
- Provide a platform for interdisciplinary collaboration to leverage the Swiss Grid activities supporting end-users, researchers, education centers, resource providers and industry.
- Represent the interests of the national Grid community towards other national and international bodies.

- **SwiNG also participates in strategy/design development of the SUK “Informationsversorgung” program etc, i.e. in processes regarding resource sharing accross administrative domains**

# SwiNG Input to SERI Roadmap 2013 - 2016

( in letter from 2011-04-18 )

Item	TASKS 2013-2016	4y Total FTE	SBF	SUK	Match	Total Cost	Total SBF	Total SUK	Total Matching	Lead
1	EGI Participation	8	8			CHF 1,440,000	CHF 1,440,000			SWITCH
2	National Infrastructure Operations	4	4			CHF 720,000	CHF 720,000			SWITCH
2	Application Support	16	8			CHF 2,880,000	CHF 1,440,000		CHF 1,440,000	UZH
3	SUK KIP: projects and infrastructure	64		32	32	CHF 11,520,000		CHF 5,760,000	CHF 5,760,000	UZH
3	Administration: 20%	6.4		6.4		CHF 1,152,000		CHF 1,152,000		UZH
1	EGI membership					CHF 480,000	CHF 480,000			SWITCH
1	EC Contribution (EGI InSpire)						CHF -480,000			SWITCH
	<b>TOTAL</b>	<b>98.4</b>	<b>20</b>	<b>38.4</b>	<b>32</b>	<b>CHF 18,192,000</b>	<b>CHF 3,600,000</b>	<b>CHF 6,912,000</b>	<b>CHF 7,200,000</b>	

- **Reflected in Bundesrat**  
**“Botschaft über die Förderung von Bildung, Forschung und Innovation in den Jahren 2013–2016”**

1. *Forschungsinfrastrukturen, bei welchen Vorentscheide bereits gefällt wurden oder die eng mit staatsvertraglichen Verpflichtungen verknüpft sind:*
  - Fertigstellung des SwissFEL am PSI (Zahlungsrahmen ETH-Bereich)
  - Umsetzung der Strategie Hochleistungsrechnen Schweiz (Zahlungsrahmen ETH-Bereich)
  - FORCE-Programm: Nutzung der CERN-Infrastrukturen (namentlich LHC-Upgrade und CLIC) durch Schweizer Forschungsgruppen (Kredite im Bereich der internationalen wissenschaftlichen Zusammenarbeit)
  - Swiss National **Grid** Initiative (Verpflichtungskredit für projektgebundene Beiträge nach UFG)
  - Blue Brain an der ETHL (Zahlungsrahmen ETH-Bereich)

# The 2013 - 2016 funding

- In 2010-2012 SERI funded national support measures for the Swiss access to EGI (SWITCH account on behalf of SwiNG)
- The above mechanism” ended in 2012
- From the “Botschaft”

Für rund einen Sechstel der projektgebundenen Beiträge soll eine Ausschreibung für Kooperations- und Innovationsprojekte (KIP) erfolgen, an der die Leitungen der kantonalen Universitäten und der beitragsberechtigten Institutionen nach UFG sowie die CRUS teilnehmen können. Als KIP sollen Projekte gefördert werden, die einer der drei folgenden Kategorien zugeordnet werden können: Kompetenzzentren von nationaler oder regionaler Bedeutung, Portfoliobereinigung und -entwicklung sowie Dienstleistungsprojekte für die Hochschulen.

Eine allfällige Bundesfinanzierung der *Swiss National Grid Initiative* (s. Ziff. 3.2.1), die auf nationaler und internationaler Ebene die gemeinsame Nutzung verteilter Rechner- und Speicherkapazitäten ermöglichen soll, würde ebenfalls über dieses Instrument erfolgen.

## The correct interpretation is ...