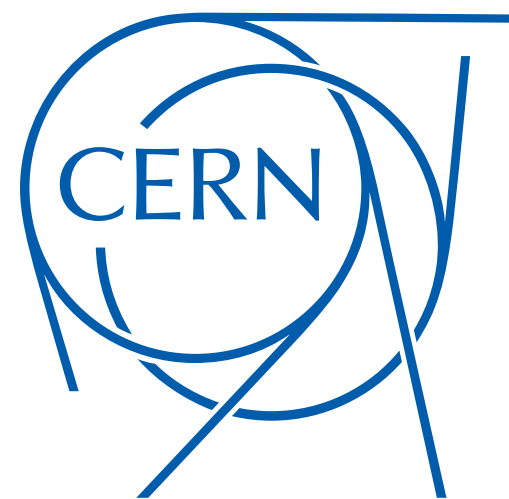


# Report from the Scientific Computing Forum – SCF

---

Eckhard Elsen

Director Research and Computing



Meetings so far

- 15.2.2017
- 12.5.2017
- 27.10.2017
- 23.2.2018 – discussed today

# Purpose of SCF

---

Scientific Computing is prevalent

- more and more fields of science need considerable computing and data storage resources
- Funding agencies and the tax payer are interested in cost-effective solutions
  - foster common approaches
  - efficient installations
    - typically few MW class (due to reduced manpower overhead; profit from economies of scale)

# Overall Impressions on SCF

---

- Expressions of support from several countries and delegates for the establishment of the Forum – with CERN taking the *lead*
  - requesting the possibility to follow the discussions and evolution
  - keep RRB informed
- Receive presentations from various agencies and listen to reports of individuals

# EC Proposal for ESFRI-listed Projects / Landmarks

- HL-LHC is an ESFRI landmark and hence eligible
- CERN submitted a joint proposal with Astro-Particle Physics and FAIR
- associate members

Proposal Submission Forms

Please check our [wiki](#) for help on navigating the form.

**Horizon 2020**

**Call: H2020-INFRAEOSC-2018-2020**  
(Implementing the European Open Science Cloud)

**Topic: INFRAEOSC-04-2018**  
**Type of action: RIA**

**Proposal number: SEP-210506816**

**Proposal acronym: ESCAPE**

**Deadline Id: H2020-INFRAEOSC-2018-2**

Table of contents

Section	Title	Action
1	General information	
2	Participants & contacts	
3	Budget	
4	Ethics	
5	Call-specific questions	

[How to fill in the forms](#)

The administrative forms must be filled in for each proposal using the templates available in the submission system. Some data fields in the administrative forms are pre-filled based on the steps in the submission wizard.

H2020-CP-2017 ver 1.00 20180221 Page 1 of 108 Last saved: 22/03/2018 11:52

This proposal version was submitted by [Giovanni Lamanna](#) on 22/03/2018 11:46:05 Brussels Local Time. Issued by the Participant Portal Submission Service.

**TOPIC: Connecting ESFRI infrastructures through Cluster projects**

**Topic identifier:** INFRAEOSC-04-2018  
**Publication date:** 27 October 2017

**Types of action:** RIA Research and Innovation action  
**Deadline Model:** single-stage  
**Opening date:** 05 December 2017

**Deadline:** 22 March 2018 17:00:00

Time Zone : (Brussels time)

#	Participant Legal Name	Country	Action
1	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE CNRS	France	
2	EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH	Switzerland	
3	STICHTING NEDERLANDSE WETENSCHAPPELIJK ONDERZOEK INSTITUTEN	Netherlands	
4	FRIEDRICH-ALEXANDER-UNIVERSITAET ERLANGEN NUERNBERG	Germany	
5	EUROPEAN SOUTHERN OBSERVATORY - ESO EUROPEAN ORGANISATION FOR ASTRONOMICAL RESEARCH IN THE SOUTHERN HEMISPHERE	Germany	
6	SKA ORGANISATION	United Kingdom	
7	FACILITY FOR ANTI-PROTON AND ION RESEARCH IN EUROPE GMBH	Germany	
8	KONINKLIJKE STEFFENWACHT VAN BELGIE	Belgium	
9	UNIVERSITA DEGLI STUDI DI ROMA TORVEGATA	Italy	
10	LEIBNIZ-INSTITUT FUR ASTROPHYSIK POTSDAM (AIP)	Germany	
11	ISTITUTO NAZIONALE DI ASTROFISICA	Italy	
12	INSTITUTO DE FISICA DE ALTAS ENERGIAS	Spain	
13	STIFTUNG DEUTSCHES ELEKTRONEN-SYNCHROTRON DESY	Germany	
14	UNIVERSIDAD COMPLUTENSE DE MADRID	Spain	
15	MAX-PLANCK-GESellschaft ZUR FORDERUNG DER WISSENSCHAFTEN EV	Germany	
16	STIFTUNG KIEPENHEUER-INSTITUT FUER SONNENPHYSIK	Germany	
17	OBSERVATOIRE DE PARIS	France	
18	FRIEDRICH-KARLS-UNIVERSITAET HEIDELBERG	Germany	
19	GSI HELMHOLTZ-ZENTRUM FUER SCHWERIONENFORSCHUNG GmbH	Germany	
20	THE UNIVERSITY OF EDINBURGH	United Kingdom	
21	ISTITUTO NAZIONALE DI FISICA NUCLEARE	Italy	
22	JOINT INSTITUTE FOR VERY LONG BASELINE INTERFEROMETRY AS A EUROPEAN RESEARCH INFRASTRUCTURE CONSORTIUM (JIVE-ERIC)	Netherlands	
23	EUROPEAN GRAVITATIONAL OBSERVATORY (EGO) (OSSERVATORIO GRAVITAZIONE NALE EUROPEO)	Italy	
24	THE OPEN UNIVERSITY	United Kingdom	
25	AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS	Spain	
26	INSTITUTO NACIONAL DE TECNICA AEROSPAZIAL ESTEBAN TERRADAS	Spain	
27	HITS GMBH	Germany	
28	CHERENKOV TELESCOPE ARRAY OBSERVATORY GEMEINNUTZIGE GMBH	Germany	
29	RUKSUNIVERSITET GRONINGEN	Netherlands	
30	TRUST-IT SERVICES LIMITED	United Kingdom	
31	OROBIX Srl	Italy	
32	SUFFSARA BV	Netherlands	

# Community White Paper

---

- HEP Community has produced a Community White Paper (CWP) which has been released on the arXive: 1712.07959
  - Describes the soft- and hardware developments required for the mid 20ies.
  - Paper was discussed in SCF to try and identify common strategic goals that may profit from joint support / funding
    - Note that such initiatives have to be more general than HEP-specific; examples were given, e.g. SKA
  - Considerable improvements still expected from software vis à vis hardware architectures

# Licensing Policy

---

- CERN has maintained a very open approach to afford such software to users
- Software licence fees are seen to increase steadily
  - ORACLE
  - Microsoft
    - Fees are threatened to increase by an order of magnitude over the next few years
    - Exploring alternatives for Active Directory, Exchange, Sharepoint and Skype For Business

# Summary on SCF

---

- SCF seems to be a useful discussion forum
  - open to everyone (as long as we can entertain a discussion)  
<https://indico.cern.ch/category/9249/>
  - tries to help shape ideas and programme
  - strategic tool for planners of computing and software installations
- Topical decisions are taken in WLCG
  - under scrutiny of RRB
- Next Meeting Sep 20, 2018