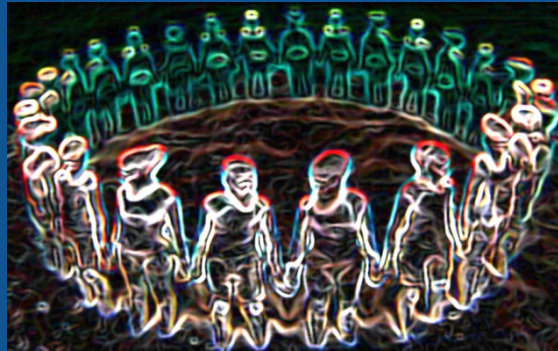




e-IRG Workshop under the auspices of the Italian Presidency of the European Union

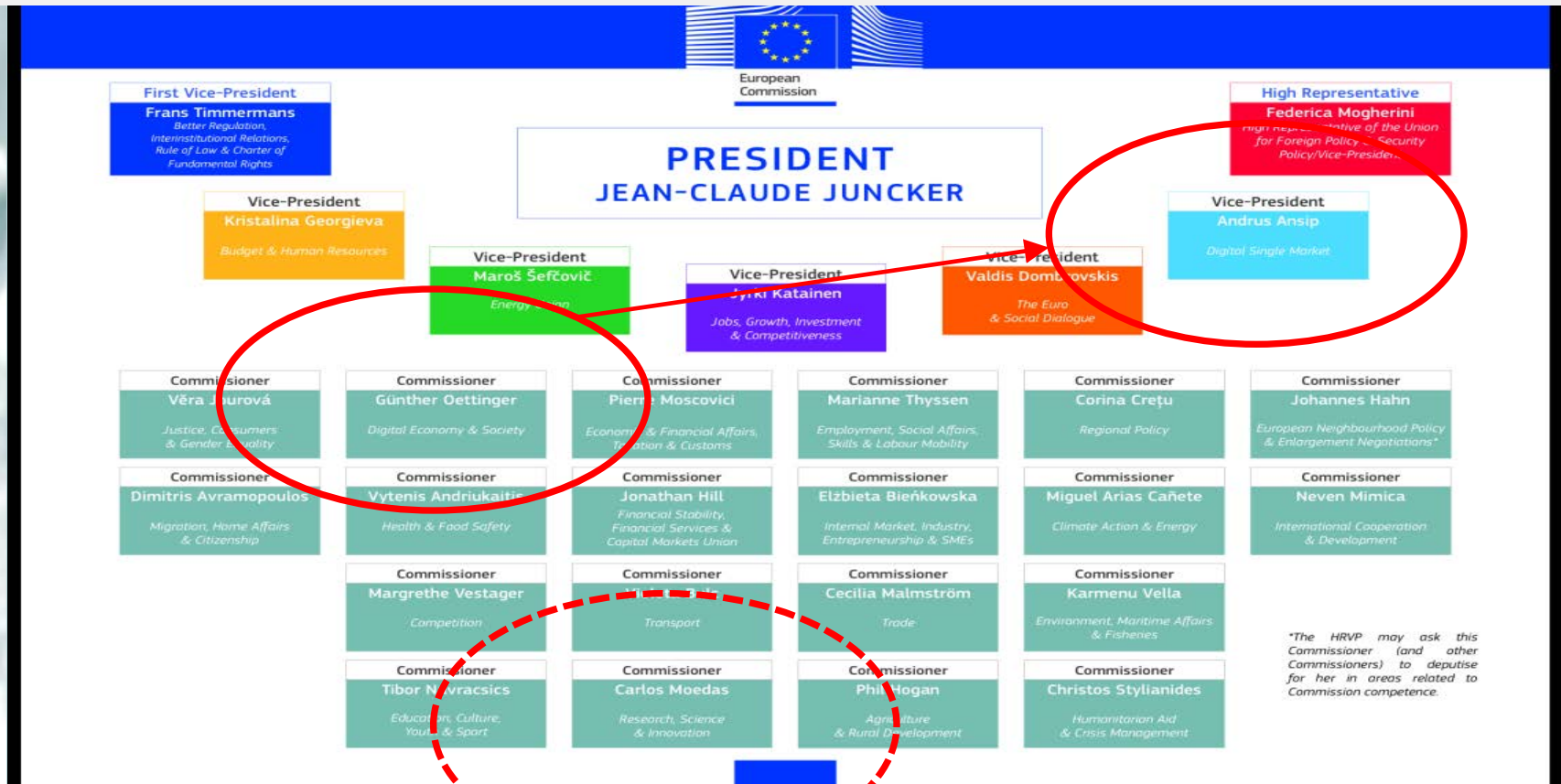
CRUI - Conference of Italian University Rectors
Palazzo Rondanini
Monday 10 November until Tuesday 11 November



Anni Hellman
e-Infrastructure Unit
DG CONNECT
European Commission



The new Commission



New Commissioner for Digital Economy and Society

Mission letter from Juncker to Oettinger: During our mandate, I would like you to focus on the following:



- ✓ Preparing... ambitious legislative steps towards a connected Digital Single Market. ... More ambition should be added to the ongoing reform of our telecoms rules. A harmonised approach to radio spectrum between Member States should be developed. Copyright rules should be modernised... in the light of the digital revolution, new consumer behaviour and Europe's cultural diversity.
- ✓ Contributing...to the jobs, growth and investment package to be presented within the first three months of our mandate. ...on supporting the deployment of a high-quality, digital network infrastructure,
- ✓ Supporting the development of creative industries and of a successful European media and content industry able to reach out to new audiences, adapt to the digital era and thrive in the connected Digital Single Market.
- ✓ Supporting... freedom of expression, freedom of information, freedom and pluralism of the media, the openness of the internet and cultural and linguistic diversity.

...

- ✓ **Research for INNOVATION!** Contributing to activities that turn digital research into successful European innovation stories, encouraging entrepreneurship and providing a framework that drives start-ups, the take-up of new businesses and job-creation. The Commission needs to play its role in ensuring that promising new developments such as the cloud, the Internet of Things and big data can thrive in Europe and that citizens, innovative web entrepreneurs and other businesses can take full advantage of their potential.
- ✓ ... promoting the use of e-Government solutions at all levels. ... to reinforce digital skills and learning across society, with a view to empowering Europe's workforce and consumers for the digital era.
- ✓ Developing and implementing measures to make Europe more trusted and secure online... EU a leader in cyber security preparedness and trustworthy ICT...
- ✓ ... finalising the negotiations on an ambitious Data Protection Regulation in 2015. On the basis of the outcome of this legislative process, you should prepare a reform of the e-Privacy Directive....
- ✓ Developing and promoting a sustainable business model for Euronews...
- ✓ ... develop the relationship with strategic partners in order to build a global governance architecture for the Internet which is legitimate, transparent, accountable, sustainable and inclusive. This includes ensuring the Internet remains open, a driving force for innovation and an international resource that benefits the European economy and citizens.
- ✓ To help you fulfil your responsibilities, the Directorate-General for Communications Networks, Content and Technology (DG CONNECT), with some adjustments, as indicated in the table annexed to this letter, and the Directorate-General for Informatics (DG DIGIT) will report to you.



New Commissioner for Research: Carlos Moedas

During our mandate, I would like you to focus on the following:

-
- Contributing...to the jobs, growth and investment package to be presented within the first three months of our mandate. This includes mobilising innovative financial instruments available under Horizon 2020, facilitating investment in education, research and innovation infrastructure and maximising synergies with the implementation of the European Structural and Investment Funds at national and regional level.
-

- Promoting the international excellence of the EU's research and science and strengthening research capacities and innovation strategies across all Member States. ...
-

- Establishing strong coordination across the Commission regarding research, science and innovation matters...
-

- Focusing more on applied research, with a greater participation of the private sector and a special focus on SMEs, in particular in Horizon 2020, with a view to reinforcing our industrial leadership and our capacity to address societal challenges.
-

- Maximising the value added and impact of Horizon 2020, ensuring effective use and dissemination of project results. This should also support and enrich policy-making at national and EU level.
-

- Maximising the synergies between projects funded under Horizon 2020 and the realisation of our priorities as regards the Digital Single Market and the European Energy Union, ...

To help you fulfil your responsibilities, the Directorate-General for Research and Innovation (RTD) will report to you.



e-Infrastructures

- *WORKPROGRAMME 2014-2015 in progress*

WORKPROGRAMME 2016-2017 in preparation



Horizon 2020 WP 2014-2015 - focus on e-infrastructures -

*Call **H2020-EINFRA***

Two subcalls in progress:

- *H2020-EINFRA-2014-1*
- *H2020-EINFRA-2014-2*

One subcall with deadline in 2015:

- *H2020-EINFRA-2015-1*



Horizon 2020 WP 2014-2015 - e-infrastructures -

*Call **H2020-INFRASUPP***

one subcall in progress:

- *H2020-INFRASUPP-2014-2*

One subcall with deadline in 2015:

- *H2020-INFRASUPP-2015-1*

H2020-EINFRA-2014-1

- *Topics:*

- *EINFRA-2-2014: e-Infrastructure for Open Access*

Call overview



- Opened: 11 December 2013
- Closed: 15 April 2014
- One proposal received
- Overall indicative budget 13 M€

Call overview



Time table

- Evaluation (remote evaluation, onsite evaluation): **May 2014**
- Ethical screening: **May-June 2014**
- Evaluation report to Committee: **September 2014**
- Results to proposers and grant agreement preparation start: **September 2014 (+1day) (within 5 months of call closure)**
- Grant agreement signature: **December 2014 (within 3 months of grant agreement preparation start)**

H2020-EINFRA-2014-2

- *Topics:*

- *EINFRA-1-2014: Managing, preserving and computing with big research data*
- *EINFRA-3-2014: Towards global data e-infrastructures – Research Data Alliance*
- *EINFRA-4-2014: Pan-European High Performance Computing infrastructure and services*
- *EINFRA-6-2014: Network of HPC Competence Centres for SMEs*
- *EINFRA-7-2014: Provision of core services across e-infrastructures*
- *EINFRA-8-2014: Research and Education Networking – GÉANT*

H2020-INFRA SUPP-2014-2

• *Topic:*

- *INFRA SUPP-7-2014: e-Infrastructure policy development and international cooperation*

Call overview



- Opened: 11 December 2013
- Closed: 2 September 2014
- A total of 42 proposals were submitted in response to the call H2020-EINFRA-2014-2. The breakdown per topic is as follows:
 - EINFRA-1-2014: 29
 - EINFRA-3-2014: 2
 - EINFRA-4-2014: 2
 - EINFRA-6-2014: 3
 - EINFRA-7-2014: 4
 - EINFRA-8-2014: 2
 - Overall indicative budget 82 M€
- A total of 14 proposals were submitted in response to the call H2020-INFRA-SUPP-2014-2 (topic INFRA-SUPP-7-2014).

Call overview



Time table

- Evaluation (remote evaluation, onsite evaluation):
October 2014
- Ethical screening: October-November 2014
- Evaluation report to Committee:
January 2015
- Results to proposers and grant agreement preparation start: January 2015 (+1day) (within 5 months of call closure)
- Grant agreement signature:
April 2015 (within 3 months of grant agreement preparation start)

Workprogramme 2014-2015 – two call coming up:

- *H2020-EINFRA-2015-1*
- *H2020-INFRA SUPP-4-2015*
- *Deadline for proposals 14 January 2015 at 17:00*

H2020-EINFRA-2015-1

- *Topics:*

- *EINFRA-5-2015: Centres of Excellence for computing applications*
- *EINFRA-9-2015 – e-Infrastructures for virtual research environments (VRE)*

INFRASUPP-4-2015 – New professions and skills for e-infrastructures

- *All these topics have a strong bottom-up nature and the Commission is expecting a wealth of high-level proposals!*

Call overview



Time table

- Call deadline 14 January 2015
- Evaluation (remote evaluation, onsite evaluation):
February-March 2014
- Ethical screening: March-April 2015
- Evaluation report to Program Committee:
~June 2015
- Results to proposers and grant agreement preparation start: ~June 2015 (+1day) (within 5 months of call closure)
- Grant agreement signature:
~August 2014 (within 3 months of grant agreement preparation start)



WP2016-2017 in progress...

- *AG and stakeholder consultations first half 2014*
- *Scoping paper final draft to be approved by the new Commission second half of 2014*
- *Structure for the WP during second half of 2014*
- *Drafting of the WP during first half of 2015*
- *Finalization second half of 2015*

Strong aim towards integration, ensuring interoperability and common approaches – and towards an e-infrastructure commons!

Framework

- *FPA for GEANT to ensure continuity and long term planning in connectivity*
- *cPPP for HPC – towards exascale by 2020*
- *cPPP for European Big Data Value*

- *eIRG to propose a structure for the WP by 4 December*

- *Innovation – AG to review new possibilities*
- *Sustainability – AG to analyse new solutions*
- *New financial instruments – possibilities for e-infrastructures?*



eIRG meets DG CONNECT

Meeting between eIRG and Director of Excellence in Science, DG CONNECT 4 November 2014

- *e-infrastructure commons is a common aim*
- *Collaboration with ESFRI is key*
- *eIRG contribution to WP process is important for the Commission – contribution expected on structure*
- *eIRG role as a strong contributor for European e-infrastructure policy development is recognised by the EC*



Innovation workshop

- *European e-Infrastructures and Innovation Clusters*
- *3 October 2014*
- *Exploring the possibilities for collaboration between **existing research e-infrastructure** and **innovation clusters** in order to boost the innovation potential of European **SMEs** – challenges and opportunities*
- *Seeking for **contents** for the **WP2016-2017***

Innovation workshop

- *A summary report is available of the Workshop*
- *A discussion group is available at <https://ec.europa.eu/digital-agenda/en/content/e-infrastructures-and-innovation-clusters>*
- ✓ *To comment please go to*
- ✓ *<https://ec.europa.eu/digital-agenda/en/content/consultations-new-e-infrastructure-topics-horizon-2020>,*
- ✓ *log in with your ECAS account (if you have one) or*
- ✓ *join the 'e-Infrastructures for You Discussion Group'*
- ✓ *by clicking on the functional button on the same page and then next to the 'Read more' link a new link 'Add comment' appears.*



Mathematics and Digital Science workshop

- *What mathematics can do for/with HPC and big data*
- *6 November 2014*
- *Exploring the potential for mathematics to help pan-European challenges in the areas of HPC and big data*
- *Participation was restricted to **mathematicians!***
- *Seeking for **contents for the WP2016-2017** could EC support for mathematics boost development?*

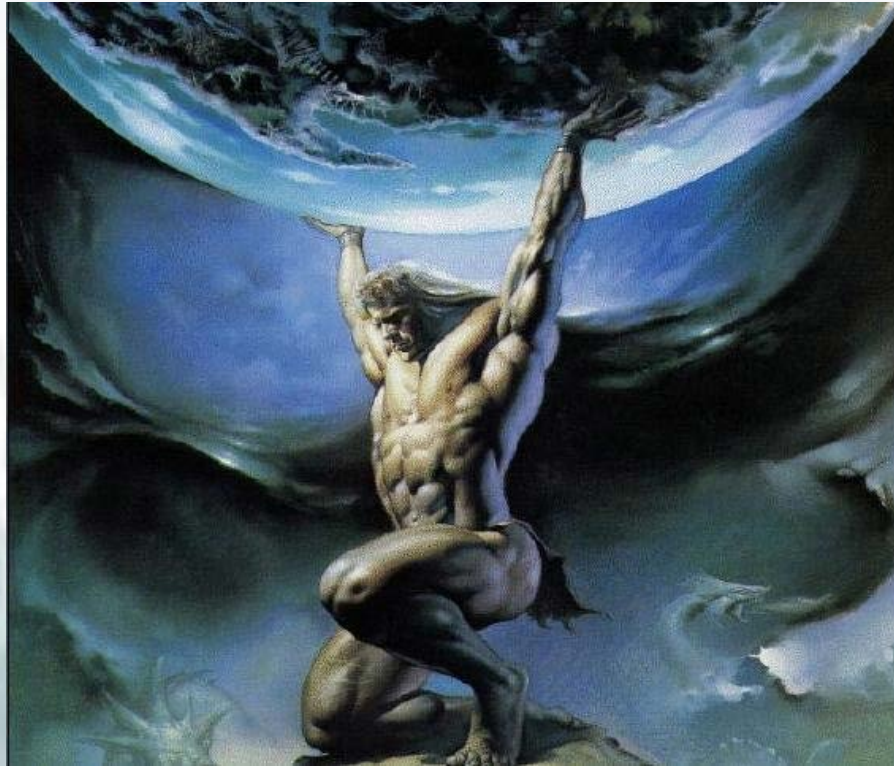


Mathematics and Digital Science workshop

- *The workshop produced a wealth of ideas and proposals for topics and ways forward*
- *Workshop summary report will be available probably towards the end of 2015, with a draft for the Commission within November*



e-infrastructures – to support European research





Thank you