Edouard Bugnion, Vice-President for Information Systems at EPFL and Academic Director of the Swiss Data Science Center (SDSC)

Edouard Bugnion spent 18 years in the US, where he studied at Stanford and co-founded two startups: VMware and Nuova Systems (acquired by Cisco). At VMware from 1998 until 2005, he played many roles including CTO. At Nuova/Cisco from 2005 until 2011, he helped build the core engineering team and became the VP/CTO of Ciscos Server, Access, and Virtualization Technology Group. He joined the EPFL in 2012, where his focus is on datacenter systems. He is the Academic Co-Director of the SDSC, which was launched by the ETH domain and established early 2017.

Christophe Rossel, Vice-President of the European Physical Society (EPS), Executive Board member of the Swiss Academy of Sciences (SCNAT) and member of the European Open Science Policy Platform (OSPP)

Christophe Rossel is a Condensed Matter physicist with education and academic professional experience in Switzerland and in USA. In 1987 he joined the IBM Research-Zurich Laboratory pursuing a scientific career focused on the physics of superconductors and later on nanoscience and the integration of advanced functional materials for semiconductor technology. As member of various panels and president of the European Physical Society (2014-2017) he has engaged in science policy issues, representing the community of physicists and advocating the contribution of physics and open science to the economic, social and cultural advancement in Europe. Christoph Rossel is member of the European Open Science Policy Platform.

Jean-Claude Burgelman, Head of Unit ‘Open Data Policy and Science Cloud, Directorate-General Research and Innovation (DG RTD), European Commission (EC)

Jean-Claude Burgelman joined the EC in 1999 as a Visiting Scientist in the Joint Research Centre. He joined DG RTD in 2008, as advisor and then Head of Unit in charge of top level advisory boards like the European Research Area Board or the European Forum for Forward Looking Activities. Since 2014, as head of the relevant Unit, he has been leading DG RTD’s work and activities on open science.

you are kindly invited to a

Swiss Science Briefing

on

Towards a European Open Science Cloud – how to harness the power of open data?

Getting inspiration from the work of the Swiss Data Science Center

with

Edouard Bugnion
EPFL/Swiss Data Science Center

Christophe Rossel
EPS/Open Science Policy Platform

Jean-Claude Burgelman
European Commission

30 January 2018, 17:45 – 19:15
Mission of Switzerland to the EU
Place du Luxembourg 1, 1050 Brussels
“Opening science once science has been done is too late”

This motto illustrates well the rationale behind the creation of the Swiss Data Science Center (SDSC). If science results are not traceable and reusable, trust in data produced by others cannot be achieved. Most current archive services do not allow the ‘reutilisability’ of science results. This represents a strong barrier for the scientific process at global level. The methodology used to get to research results, as well as connectivity between research results should be captured in order to establish the trust so much needed in the scientific world. Only then one can talk about “truly open global science”. This is a central aspect of any open science infrastructure developed at national, European or global level.

The newly established Swiss Data Science Center wants to address this challenge, among others by establishing a highly-scalable and secure open software platform designed to foster multidisciplinary data science collaborations. This should ensure the aspect of ‘trust’ in the ‘Re-usable’ of the FAIR (Findable, Accessible, Interoperable, and Re-usable) data principle.

The European Open Science Cloud (EOSC) should also be based on the FAIR principles. The EOSC Declaration of 26 October 2017 recognizes the challenges of data driven research in pursuing excellent science and states that European science must be grounded in a common culture of data stewardship, supported by FAIR data principles. The implementation and transition to such principles requires a well prepared action plan, with the participation of all stakeholders and an adequate Data Governance within the EOSC.

This Swiss Science Briefing will first give insights on the work of the SDSC and its main challenges and opportunities. This will then be reflected on by Christophe Rossel, representing the view of the European science stakeholders – via its role in the European Open Science Policy Platform – and by Jean-Claude Burgelman, representing the view of the European Commission.