EPFL turns 50!
Scientific Revolutions

1665
Print-centric

2019
Web-centric

Philosophical Transactions – the world's first scholarly journal
Open is in our DNA

"A university exists for the purpose of laying open to each succeeding generation the accumulated treasures of the thoughts of mankind."

John Stuart Mill addressing students as newly elected Rector of St Andrews University in 1867.
The World Wide Web: Invented for Open Science
In article <64...@cernvax.cern.ch> I promised to post a short summary of the WorldWideWeb project. Mail me with any queries.

**WorldWideWeb - Executive Summary**

The WWW project merges the techniques of information retrieval and hypertext to make an easy but powerful global information system.

The project started with the philosophy that much academic information should be freely available to anyone. It aims to allow information sharing within internationally dispersed teams, and the dissemination of information by support groups.
Why Open Science is Important

Open Science = Better use of Public Money

Scrutiny = better quality
Visibility = larger impact
Reuse = higher efficacy
Public access = fair opportunity

New community standards = Tomorrow’s norms
e.g. FAIR data
A Cultural Change

Adapted from Brian Nosek, Center for Open Science
Stairway to the Data Heaven

1. A shift away from a research culture where data is a private good
2. Mandating *intelligent* openness for data underlying published reports
3. Expanding evaluation criteria to give credit for useful data sharing
4. Development of tools to allow generating, curating and reusing datasets
5. Developing standards for data storage and sharing
6. Increase the number of qualified data scientists
EPFL’s three missions according to the Federal Act

Education

Research

Innovation
EPFL Today

Campus
- 11,134 Students, of whom 2,216 PhD students
- 347 Faculty
- 6,060 Staff (incl. PhD)

Structure
- 5 Schools (13 MSc programs)
- 2 Colleges (management and humanities)
- 26 Institutes
- >15 interdisciplinary centers
- >350 laboratories and research groups
13 Study Programmes, >350 Research Labs

- 5 Schools
  - EPFL
  - ENAC (Architecture, Civil Engineering, Environmental Science & Engineering)
  - SB (Mathematics, Chemistry, Physics)
  - SV (Life Sciences & Technology, Bioengineering)

- 2 Colleges
  - IC (Computer Science, Communication Syst., Data Science, Cyber Security)
  - STI (Electrical Engineering, Microengineering, Mechanical Engineering, Materials Science)

- 26 Institutes
  - CDM (Management of Technology, Financial Engineering)
  - CDH (Human & Social Sciences)
  - Interdisciplinary centers

- >350 Laboratories & Research Groups
A vibrant campus
50th anniversary

VPE: 17 May 2019

VPR: 10 September 2019 in Sion
     11 September 2019 in Neuchâtel
     12 September 2019 in Fribourg
     13 September 2019 in Genève

Open Doors: 14 & 15 September 2019

Open Science Day: 18 October 2019

VPI: 19 November 2019

celebration.epfl.ch
Huge Success for 2019 Open Doors
Enjoy your day!

Martin Vetterli
EPFL President