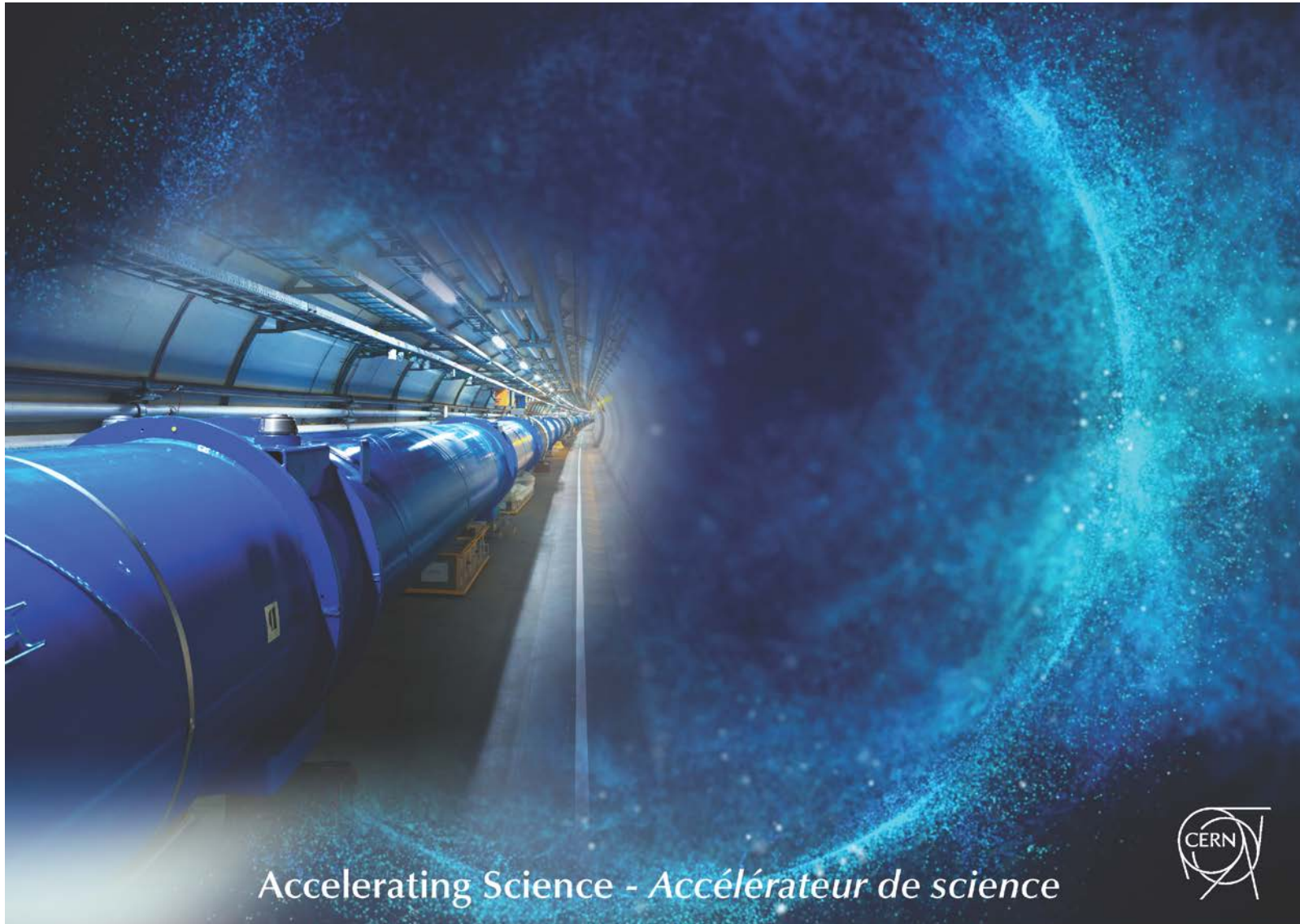


Arts at CERN scientific partnership: a quasi-multiverse

Maria Dimou / CERN IT



CERN is about: 1. Research



25 April 2017

Accelerating Science - *Accélérateur de science*



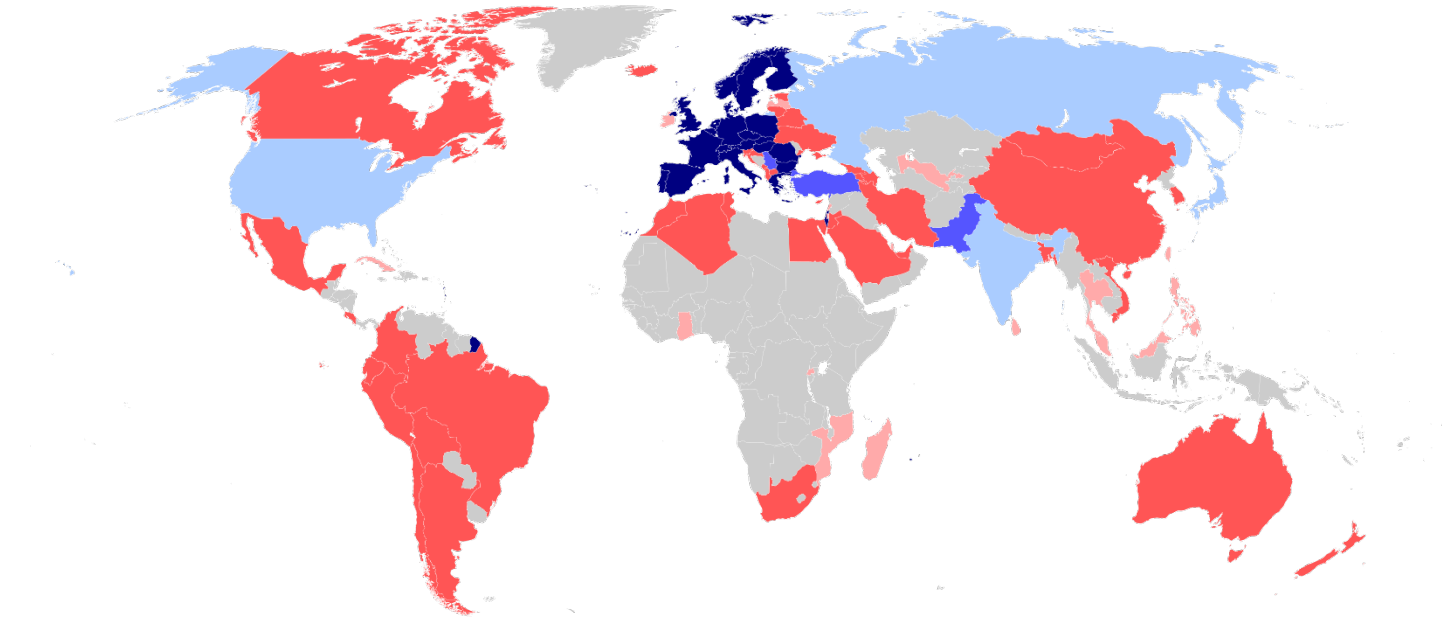
CERN is about: 2. Technology



CERN is about: 3. collaboration



22 member states + 80 participating countries



CERN is about: 4. Education

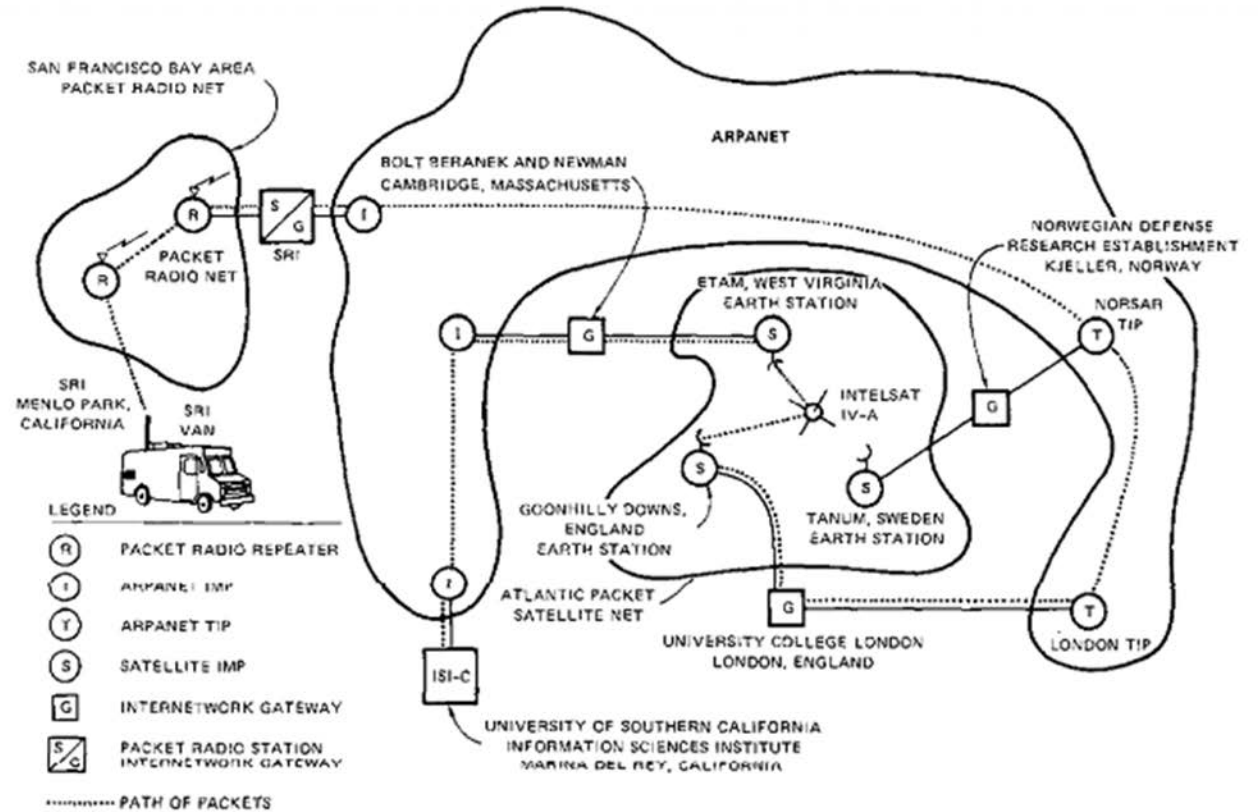


25 April 2017

Maria Dimou - BAC Geneva - Photo by CERN Outreach

Projects that change lives: The Internet

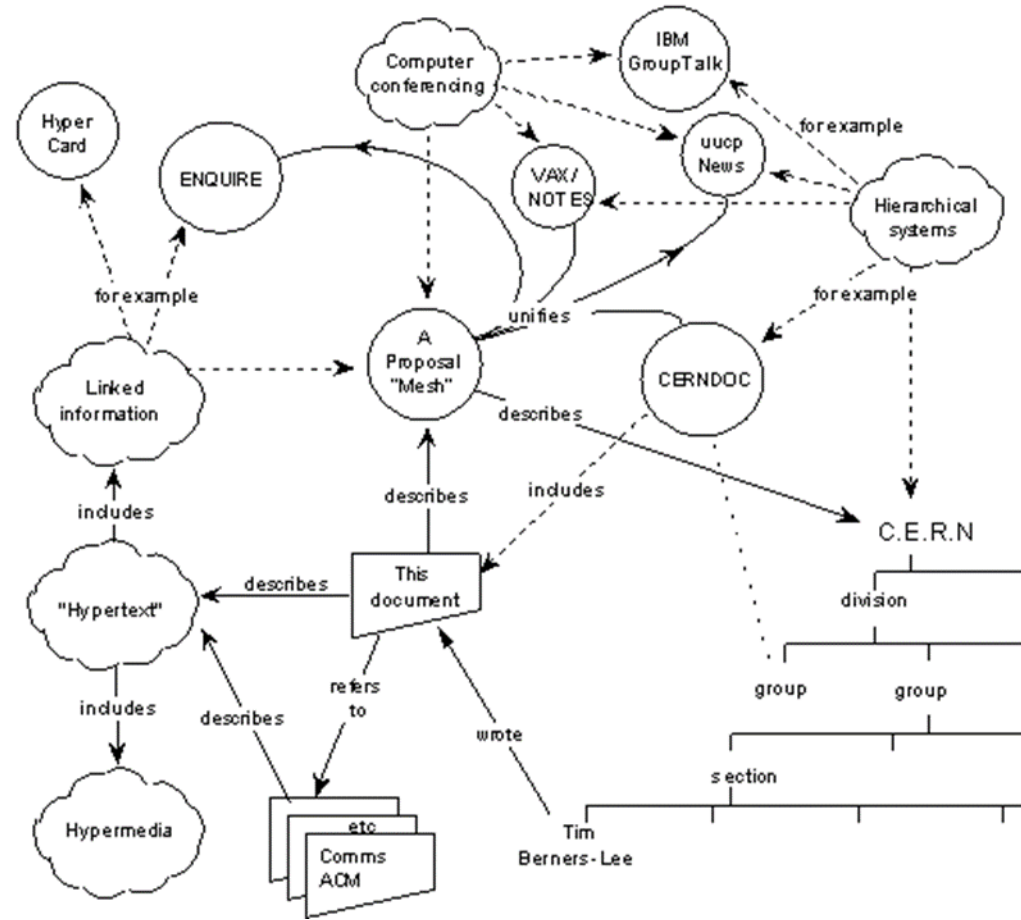
The Internet became the CERN choice at the beginning of the 1990ies, simplifying the network protocol jungle. One of the Internet fathers, Vint Cerf, commented on my papers and explained to all of us the passionate history of the Internet.



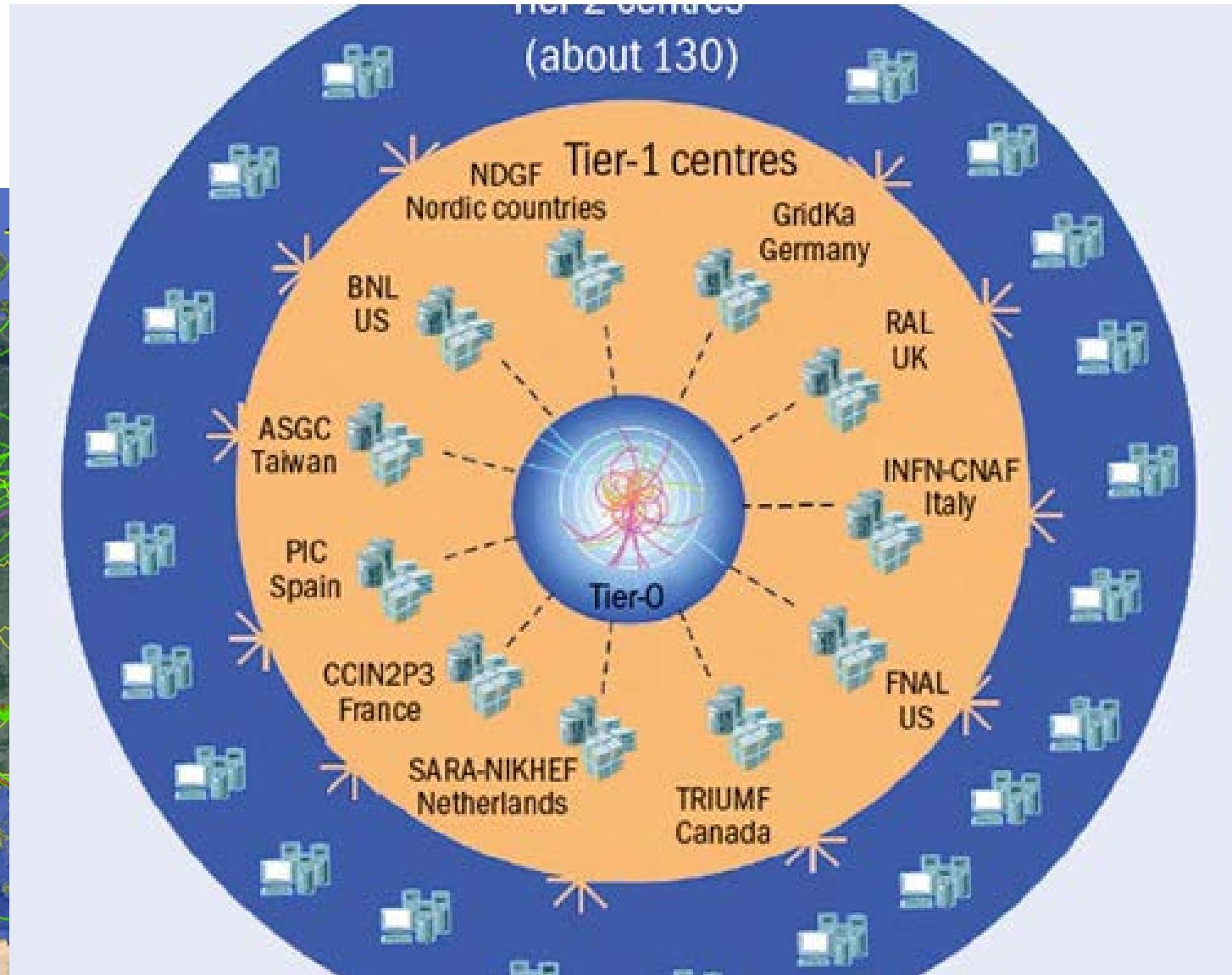
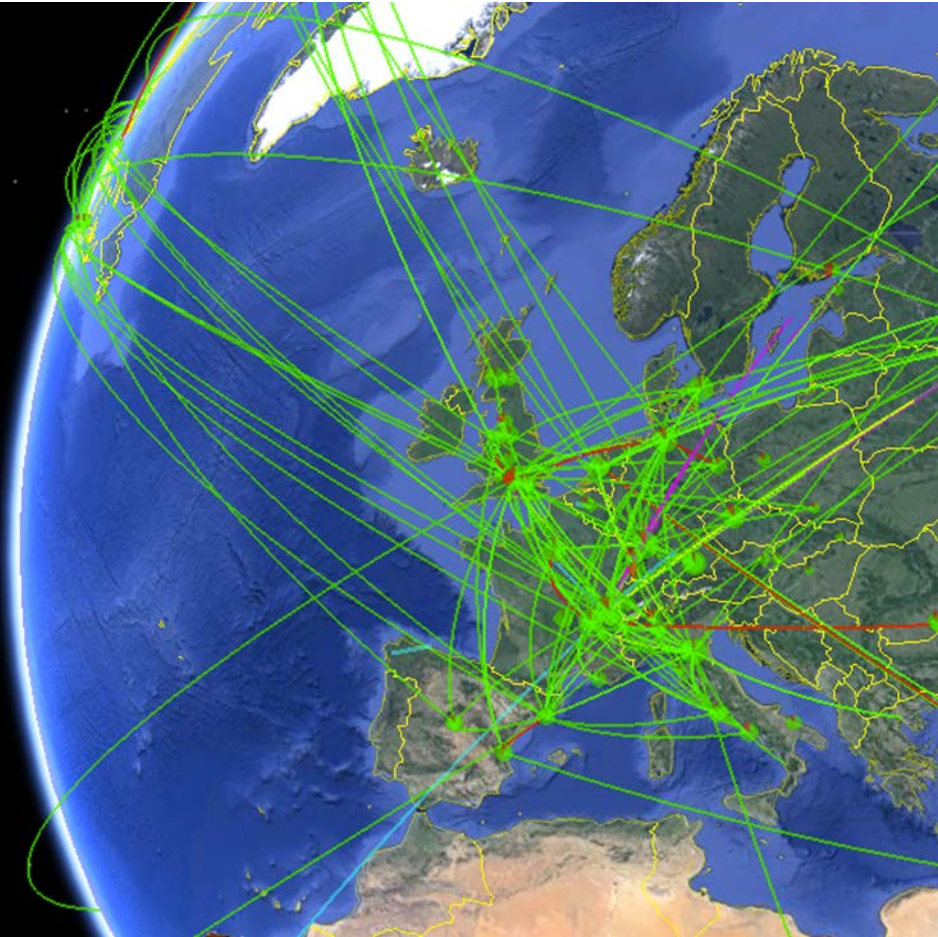
November 22, 1977

Projects that change lives: The Web

The Web, unlike the Internet, was written at CERN from A to Z by Sir Tim Berners-Lee. It was announced in 1991 as an open, decentralized, network medium. I was honoured to have technical discussions with the inventor, who was saying “I don’t want to be rich, I want to be famous”.



The path to physics discoveries goes through Computing



CERN IT: not just any IT

Passionately interesting & difficult projects. Dozens of them. Examples:

1. The Grid: Plug & Play computing for the physicists worldwide.
 2. Experiment data storage, replication, archiving: Expecting 40+ Petabytes (40.000.000.000.000.000.000 Bytes) *per year!* The entire works ever written by mankind in any language are about 50 of these.
 3. Data preservation, documentation, archiving.
 4. Digital libraries and repositories (data and code).
 5. Education (formal Academic Lectures & short educational videos).
- 1, 5, and Documentation at large, with involvement from my side.

Why Arts at CERN

Because:

- Art makes Life *worth* living & Science enables us to live *Free*!
- A creative adult is a child who survived (Ursula K. Le Guin)
- Complex discoveries & inspired works of art require **creativity** → plenty of common ground here!
- Scientists are skillfully *Analytic*; Artists are admirably *Synthetic*.
- The times of a single discipline are over. Interdisciplinarity is here now. New ideas are born out of what we cannot think of. This is The New Renaissance.

Beauty is in the eye of the beholder
(Plato)

Art does not reproduce the visible but makes visible.
(Paul Klee)

Selected photos of the CERN site by Cassandre Poirier-Simon

See her blog [here](#)



25 April 2017

Photo by Cassandre Poirier-Simon - CERN at BAC Geneva

13



25 April 2017

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14



25 April 2017

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15







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18



Merci beaucoup de votre attention!

