

PENNI - Policy Enabled Next Generation Internet

Sabrina Kirrane, 22.10.2019
IMAGINE19

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The World Wide Web

The Past!



Information Management: A Proposal

Tim Berners-Lee, CERN

March 1989, May 1990

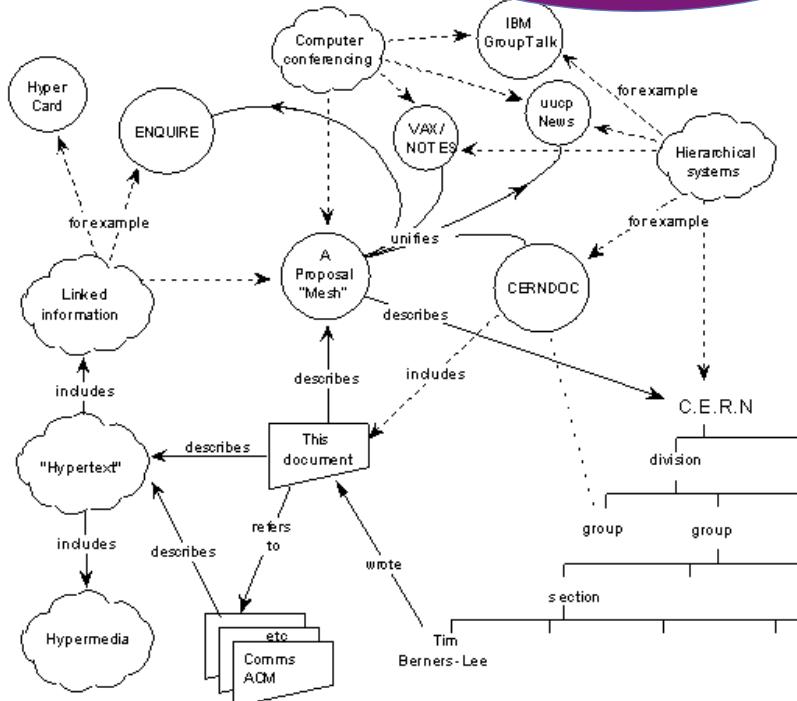
This proposal concerns the management of general information about accelerators and experiments at CERN. It discusses the problems of loss of information about complex evolving systems and derives a solution based on a distributed hypertext system.

Overview

Many of the discussions of the future at CERN and the LHC era end with the question - "Yes, but how will we ever keep track of such a large project?" This proposal provides an answer to such questions. Firstly, it discusses the problem of information access at CERN. Then, it introduces the idea of linked information systems, and compares them with less flexible ways of finding information.

It then summarises my short experience with non-linear text systems known as "hypertext", describes what CERN needs from such a system, and what industry may provide. Finally, it suggests steps we should take to involve ourselves with hypertext now, so that individually and collectively we may understand what we are creating.

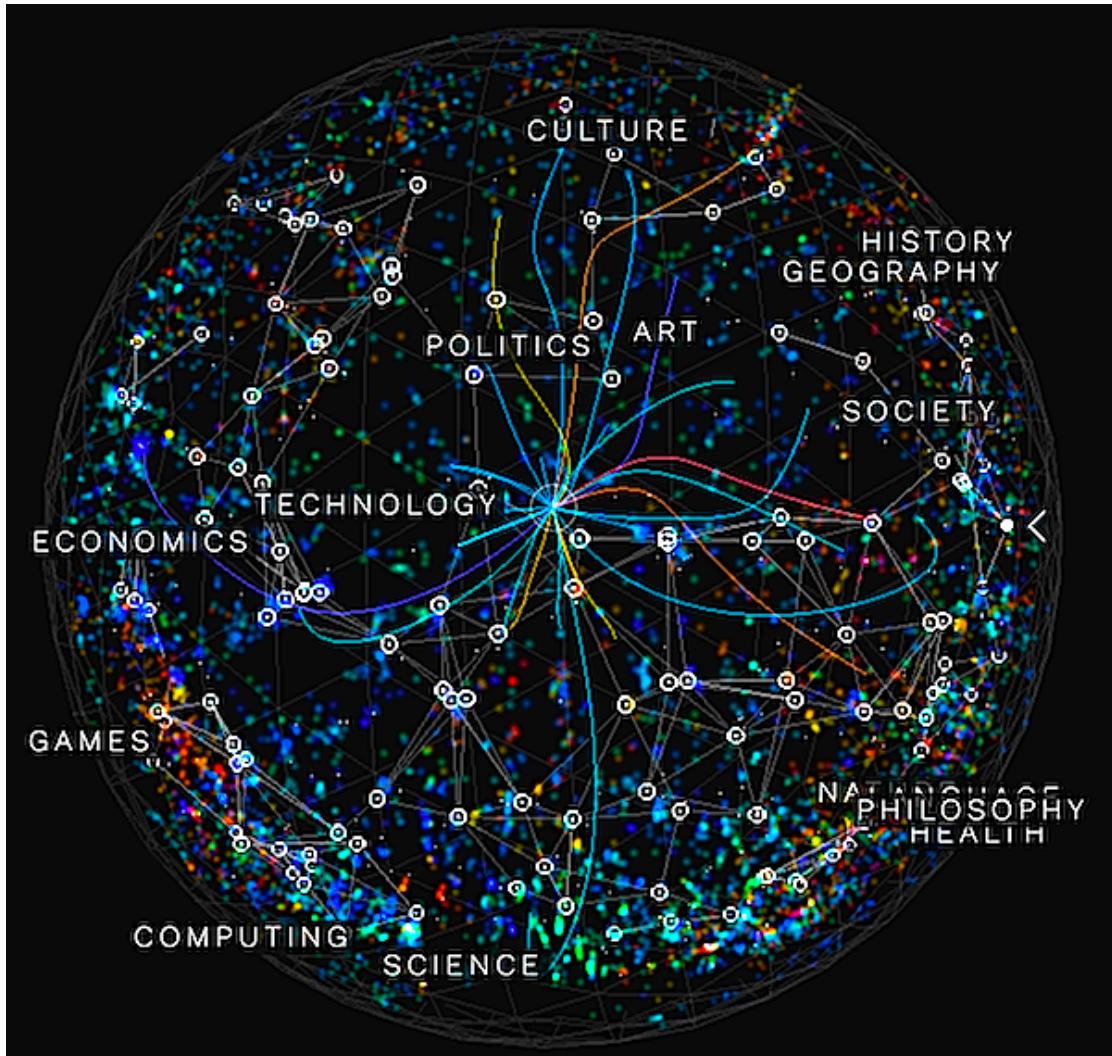
In 1989
Tim Berners Lee
invented the
World Wide Web



1989 The original proposal for the Web
<https://www.w3.org/History/1989/proposal.html>

The World Wide Web

The Present!



30 years later the
Web has become
indispensable!

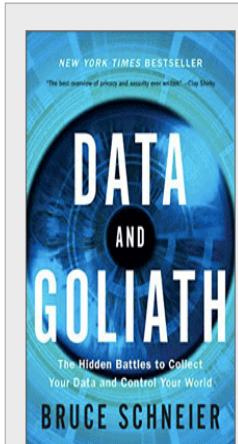
The World Wide Web

The Present!

Schneier on Security



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W. W. Norton & Company
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Hardcover:
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Data and Goliath

The Hidden Battles to Collect Your Data and Control Your World

A Book by Bruce Schneier

[A New York Times Best Seller](#)

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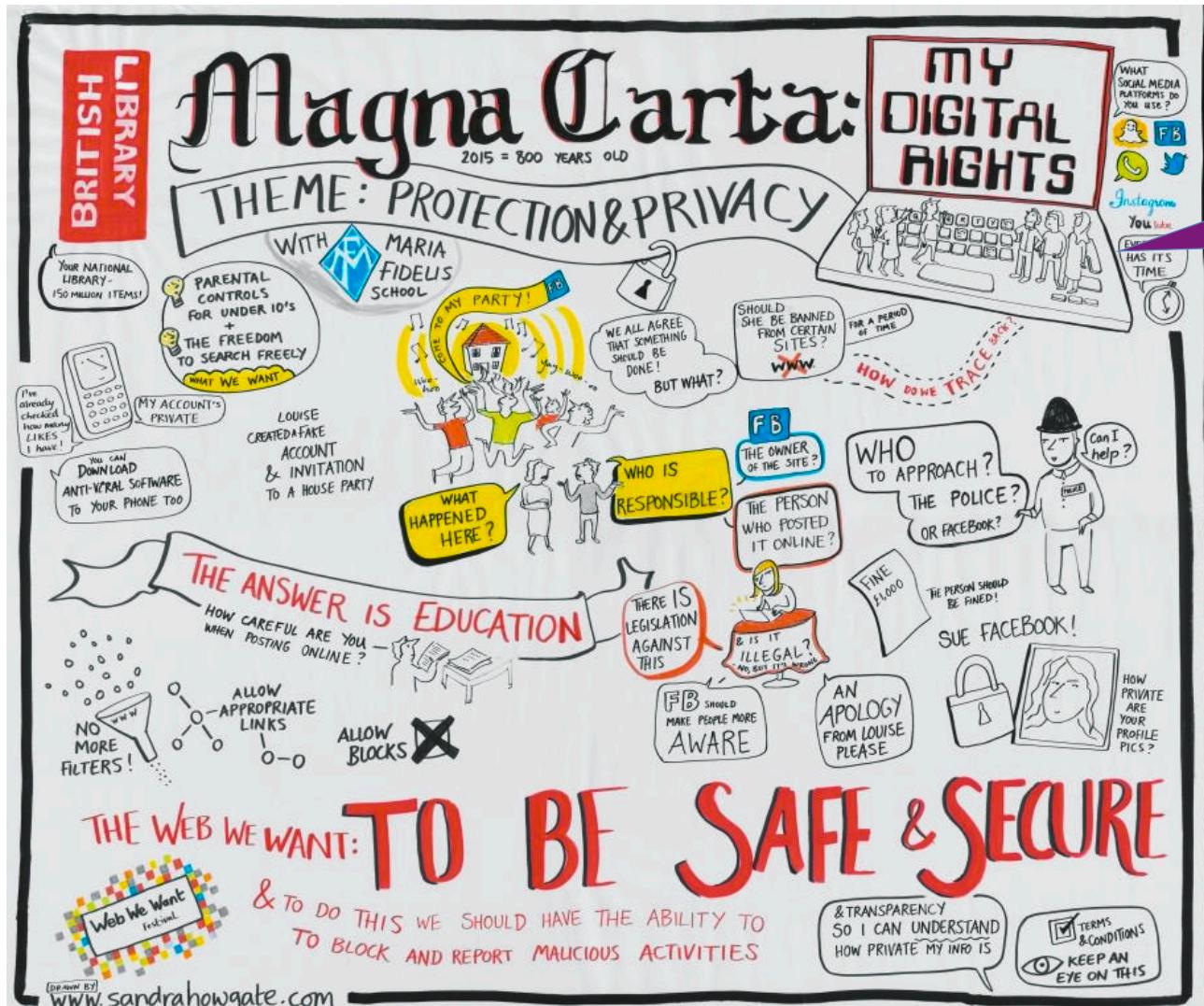
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The World Wide Web

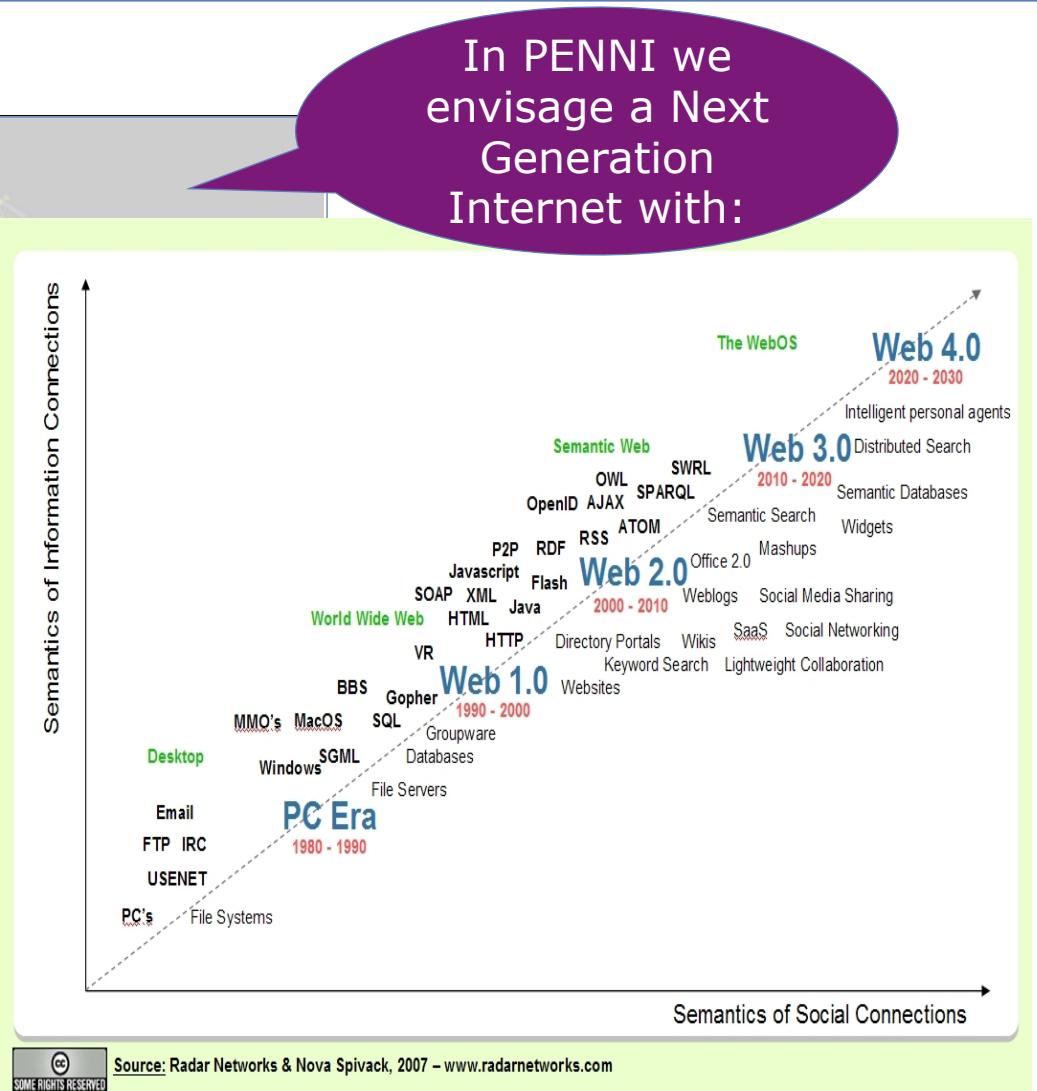
The Future!



According to next generation we need:

The World Wide Web

The Future!



Thank you / contact details



Der Wissenschaftsfonds.

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