

Zenodo: A Research Data Repository for All

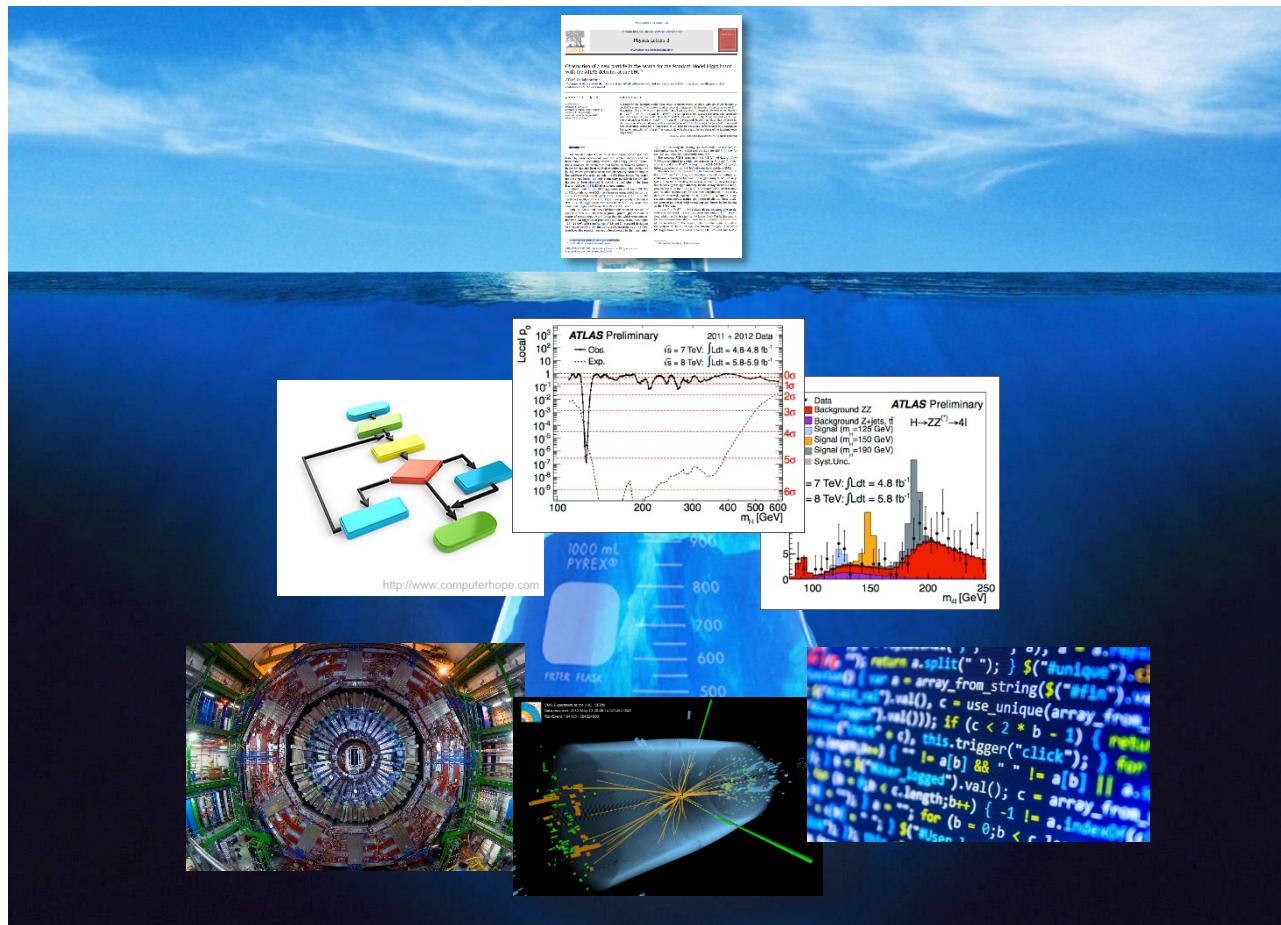


Tim SMITH



Open Science as a Common Good – 2017/05/03

The Research Iceberg

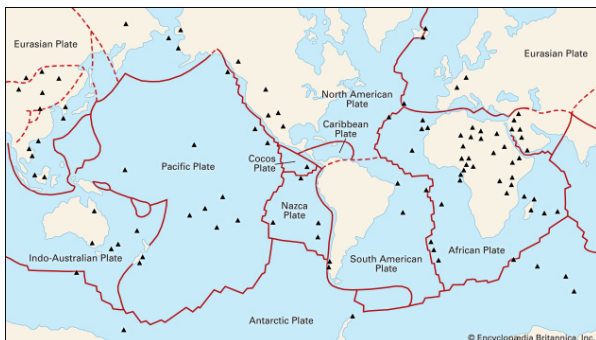


kB
MB
GB
TB
PB

Body of Knowledge

Who ?

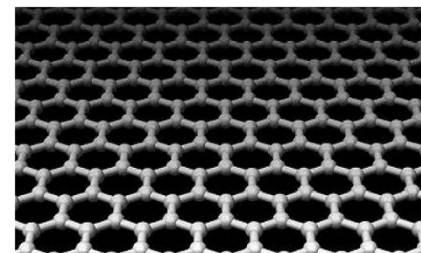
Tectonic Plates



biologists, chemists, climatologists,
computer programmers, engineers,
geologists, meteorologists, physicists

When ?

Graphene



PHYSICAL REVIEW

VOLUME 71, NUMBER 9

MAY 1, 1947

The Band Theory of Graphite

P. R. WALLACE*

National Research Council of Canada, Chalk River Laboratory, Chalk River, Ontario

(Received December 19, 1946)

The structure of the electronic energy bands and Brillouin zone for graphite is developed using the "tight binding" approximation. Graphite is found to be a semi-conductor with zero activation energy, i.e., there are no free electrons at zero temperature, but they are created at higher temperatures by excitation to a band contiguous to the highest one which is normally filled. The electrical conductivity is treated with assumptions about the mean free path. It is found to be about 100 times as great parallel to as across crystal planes. A large and anisotropic diamagnetic susceptibility is predicted for the conduction electrons; this is greatest for fields across the layers. The volume optical absorption is accounted for.

Sleeping beauty until 2004

The Web Store

Google high temperature superconductivity

How developers work
Support your workflow with lightweight tools and features.
Then work how you work best—we'll follow your lead.

Code review Project management Integrations Community management Documentation

Code review Project management Integrations Community management Documentation

Bitbucket
Code, Manage, Collaborate
Bitbucket is the Git solution for professional teams

Mendeleey
Put your research data online today with Mendeleey Data

404 The cosmic object you are looking for has disappeared beyond the event horizon.

Danger Zone

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Public forks can't be made private. Please duplicate the repository or contact support. [Make private](#)
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- Delete this repository**
Once you delete a repository, there is no going back. Please be certain. [Delete this repository](#)

Blockbuster napster. Google



Share ≠ Publish ≠ Preserve

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Catch-All Service



Open Access Pilot

Open Access Mandate

Open Data Pilot



ORPHAN RECORD REPOSITORY



Open Research as a Service

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May 1, 2017 Journal article Open Access

Automatically Allocates the Service Resources for Mobile Devices

Carmel Prabha

Cloud computing in the present day world, has grown up as a paradigm for hosting and operating services over the Web. Mobile Cloud Computing is widely acknowledged as a concept that can heavily improve the user experience when accessing mobile services.

In the Social Network Service (SNS) consist of lot of social media contents from numerous users. For e.g. SMS based on mobile and hand devices such as FB (Face book), and Twitter is used a lot by users because of the progression of internet as well as the explosion of mobile network. By removing the cost of mobile devices with respect to storage and computing capabilities and implementing a new level of security, it is expected that it will find broad acceptance on the business as well as consumer side. This work mainly concentrates to construe the mobile devices and applications during offloading of services between cloud and devices to minimize energy. In addition, the minimal path to the cloud servers from mobile devices will be carried out to minimize the network latency.

To overcome the above limitations, in the cloud computing (MAI) (Intelligent Multi Agent Virtualization) model is used. By using this model to automatically allocate service resources suitable for mobile devices in cloud computing environment with support of Social Network Service (SNS).

Publication date: May 1, 2017
DOI: [10.5281/zenodo.570180](https://doi.org/10.5281/zenodo.570180)
Keyword(s): Cloud Computing, Automatically Allocate Resources, Virtualization.
Published in: International Journal of Engineering Research and Advanced Technology (IJERAT), 3(4), 48-52.
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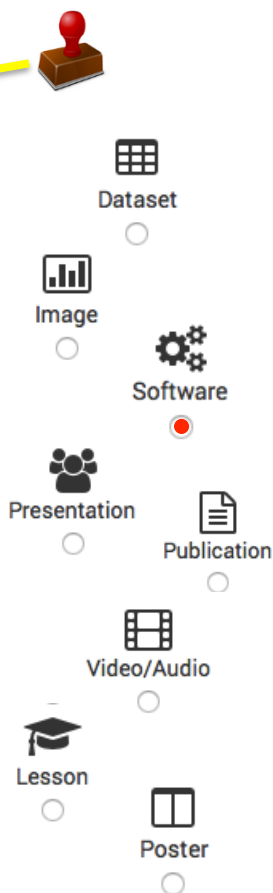
Cite as
 Carmel Prabha. (2017). Automatically Allocates the Service Resources for Mobile Devices. International Journal of Engineering Research and Advanced Technology (IJERAT), 3(4), 48-52. <http://doi.org/10.5281/zenodo.570180>

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Files

Name	Size
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md5:5e16a703ca098b56255c9c5d6f7b3	

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November 9, 2016 Dataset Open Access

Supplementary Material: CoverageAnalyzer (CAn): A Tool for Inspection of Modification Signatures in RNA Sequencing Profiles

Hauenschild, Ralf; Wiener, Stephan; Terozaki, Lyudmila; Hildebrandt, Andreas; Motzkin, Yuri; Helm, Mark

Supplementary material for *Biomolecules* 2016, 6, 42; doi:10.3390/biom604042

CoverageAnalyzerWin64Setup 1.2.0.exe: Installation package for Windows 64 bit
CoverageAnalyzerMacOSX64Setup 1.2.0.zip: Installation package for Mac OS X 64 bit
CoverageAnalyzerLinux64Setup 1.2.0.zip: Installation package for Linux 64 bit
woffflow_overview.pdf: CoverageAnalyzer workflow overview
CoverageAnalyzer_MobileLinux64.pdf: CoverageAnalyzer user manual
ScreenShot_CoverageAnalyzer_CoverageAnalyzer.pdf: Quickstart screencast video covering installation and analytic workflow
README_FIRST.txt: Information on read ahead of installation

Published in: *Biomolecules*, 6 pp. 42

Communities: MDPI - Open Access Publisher

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Cite as
 Hauenschild, Ralf; Wiener, Stephan; Terozaki, Lyudmila; Hildebrandt, Andreas; Motzkin, Yuri; Helm, Mark. (2016). Supplementary Material: CoverageAnalyzer (CAn): A Tool for Inspection of Modification Signatures in RNA Sequencing Profiles [Data set]. *Biomolecules*. Zenodo. <http://doi.org/10.5281/zenodo.104811>

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Files

Name	Size
Coverage_Analyzer_Manual.pdf	13.9 MB
CoverageAnalyzerMacOsX64Setup 1.2.0.zip	12.6 MB
CoverageAnalyzerWin64Setup 1.2.0.zip	89.9 MB
CoverageAnalyzerLinux64Setup 1.2.0.zip	85.1 MB
CoverageAnalyzerWin64Setup 1.2.0.exe	100.5 MB
README_FIRST.txt	649 Bytes
ScreenShot_CoverageAnalyzer_CoverageAnalyzer.pdf	321.0 MB
woffflow_overview.pdf	1.4 MB

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Communities of Use

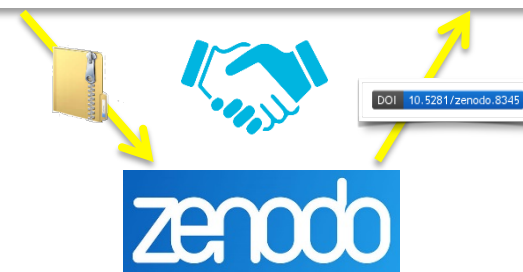
The screenshots show the Zenodo interface for three different communities:

- Discs in Galaxies:** Recent uploads include a presentation from November 16, 2016, titled "Revelation of Star Formation in Galaxies".
- 14th International Symposium on Information Science (ISI 2015), Zadar, Croatia, 19th–21st May 2015:** Recent uploads include a presentation from July 17, 2016, titled "Reinventing Information Science in the Networked Society".
- TWISTx Proceedings:** Recent uploads include three conference papers from July 17, 2016: "Alignment and Hierarchical Systems in the Guaykuran Languages", "Politeness strategies in Homer's Odyssey", and "Roads to exemplification in Italian: cognition and discourse".

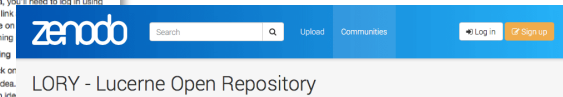
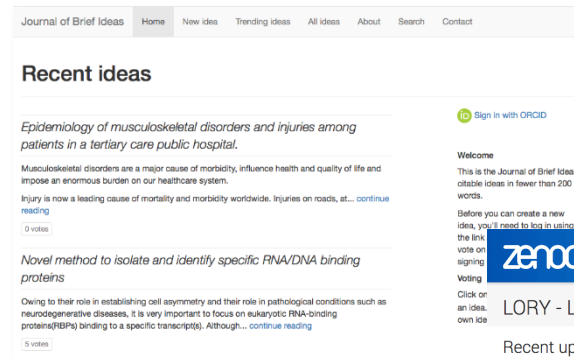
The screenshot shows the GitHub Guides page for "Making Your Code Citable", a 10-minute read. The page includes an introduction to Digital Object Identifiers (DOI) and a list of related guides:

- Intro
- Choosing Your Repo
- Login to Zenodo
- Check Repo Settings
- Create a New Release
- Minting a DOI
- Finishing up

A "ProTip" section states: "This tutorial is aimed at researchers who want to cite GitHub repositories in academic literature. Provided you've already set up a GitHub repository, this tutorial can be completed without installing any special software. If you haven't yet created a project on GitHub, start first by uploading your work to a repository."



Trusted Foundations



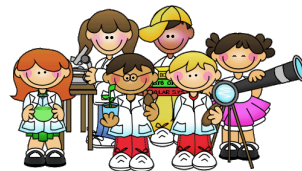
LORY - Lucerne Open Repository

Recent uploads

- January 1, 2017** [Open Access](#)
Verschänkung von Bildung und Begleitung als Chance der Familienarbeit
Metzger, Marius (Autor/in).
Ausgehend von importierten Abgrenzungsschwierigkeiten der indizierten Familienbildung zur Sozialpädagogischen Familienhilfe respektive Familienbegleitung wird im Beitrag begründet, weswegen sich die Verschänkung beider Hilfenformen als aussichtreich erweisen könnte. Anschließend werden unter Rückgriff
Uploaded on April 26, 2017
- January 1, 2017** [Conference paper](#) [Open Access](#)
Characterisation and Modelling of Advanced Daylight Redirection Systems with Different Goniophotometers
Krehel, Marek (Autor/in); Klämpf, Jerome (Autor/in); Wittkop, Stephen (Autor/in).
In this work we present a characterisation of Daylight Redirection Components (DRCs) by combining a scanning with an image based Goniophotometer (GPM). Both GPMs can be employed in order to measure Bidirectional Scattering Distribution Function (BSDF). The measurements of the BSDF can be transformed
Uploaded on April 26, 2017
- January 1, 2017** [Other](#) [Open Access](#)
Diktat der Ökonomie: Managementverständnis unter der Lupe
Zemp, Markus (Autor/in).
Der Drang, sein Geld zu vermehren, ist gemäss Aristoteles ein «Störenfried der Ökonomie». Die Übertraum ins dieses Gedankens auf die heutige Zeit könnte Perspektiven für eine bessere

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German version: <http://tiny.cc/ome9kx>



Peer Reviewers

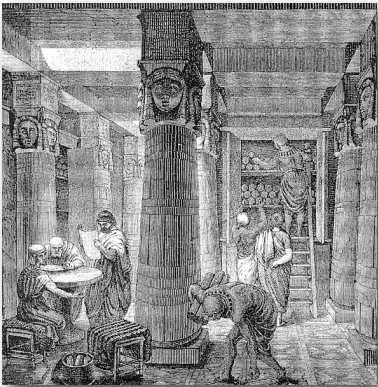


Why ?

The Name ?

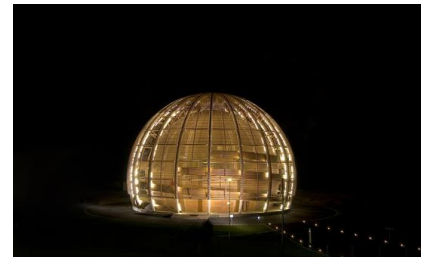
Zenodotus of Ephesus

First librarian of the Ancient Library of Alexandria

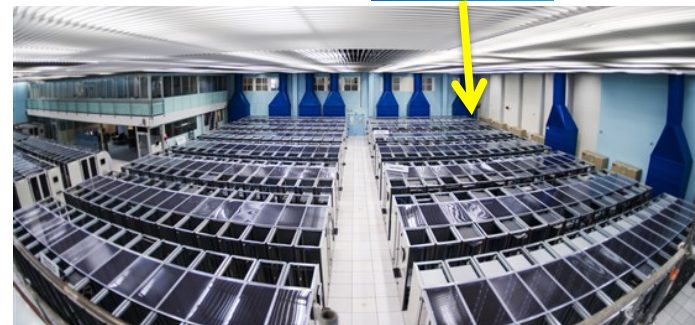


First recorded use of metadata

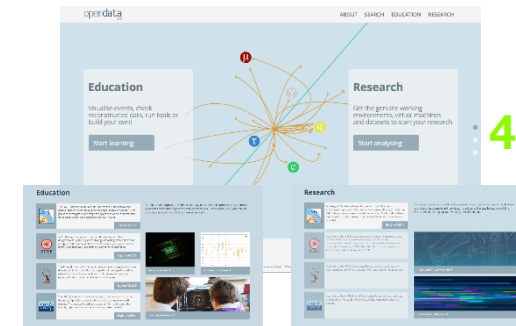
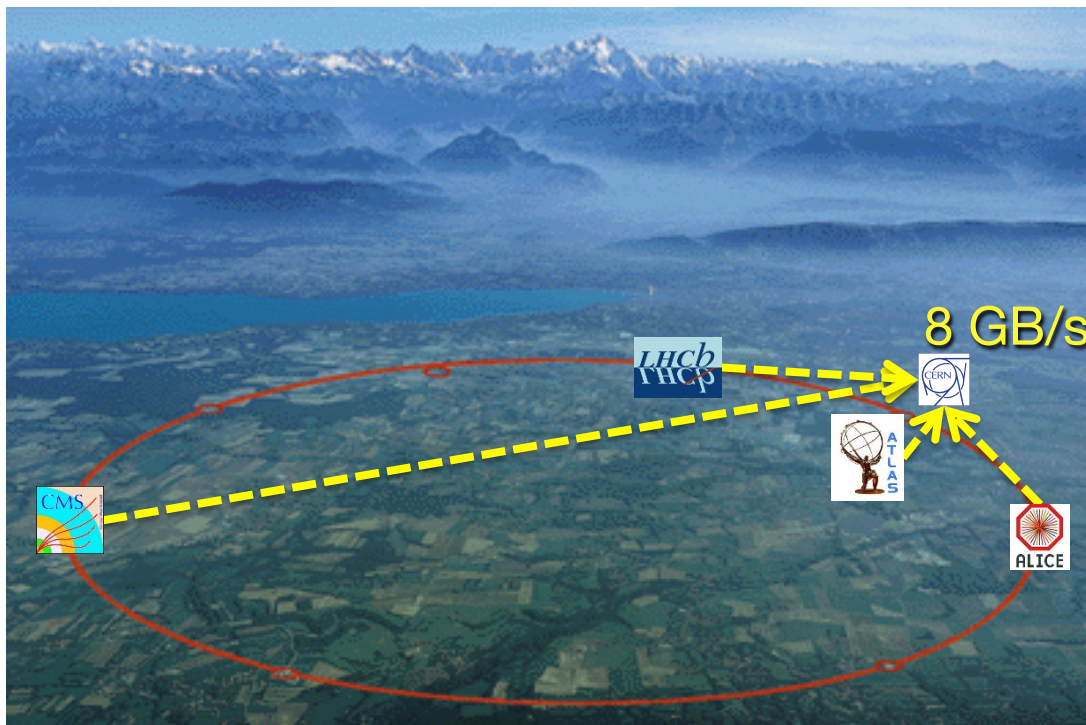
Trust ?



zenodo



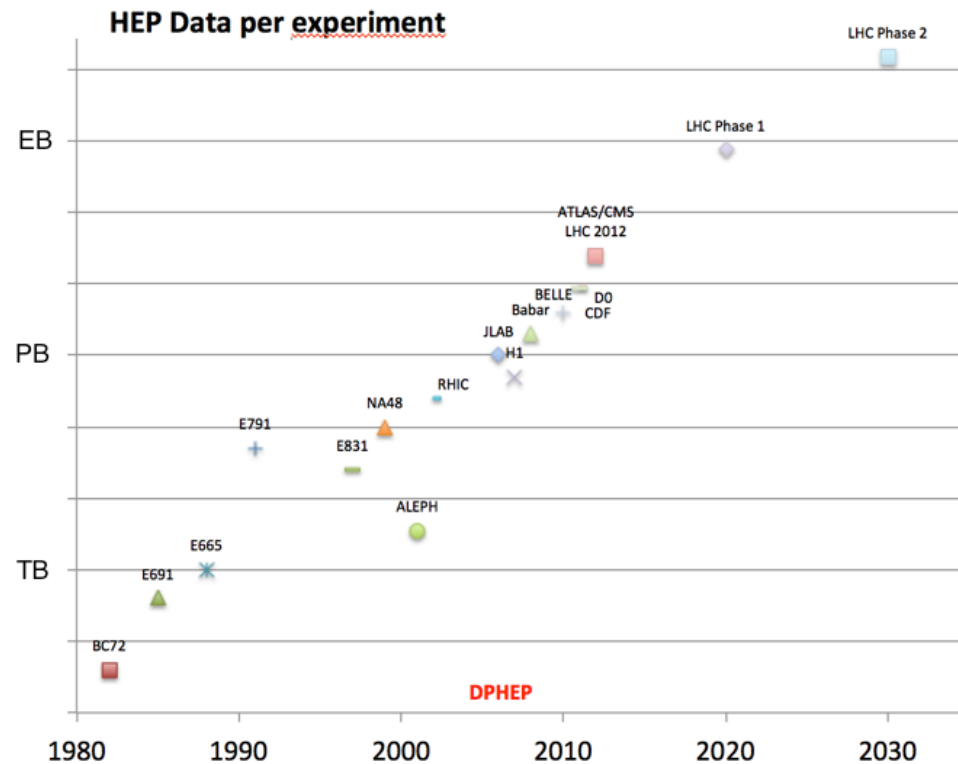
Data ...Mountain...Lake...Cloud...



150 PB
150,000,000 GB

@TimSmithCH

Preservation: Driven by Science



- Bit Preservation: ISO 16363 standard
- Software preservation
- Analysis Preservation
- REusable ANALyses

- Data Seal of Approval

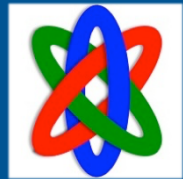


Guaranteeing Access to Research for All

- Public
 - Funding (research)
 - Goods (generated data)
 - Interest
 - Access
 - Forever (beyond typical life cycles of funders/projects/companies)
- Simply:
 - At publicly funded, enabled institutions
 - Solutions in place
 - Motivated to keep at technical frontier
- Overlay Services
 - Value-add not exclusivity



Thank You ! Questions ?



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Lars.Nielsen@cern.ch

