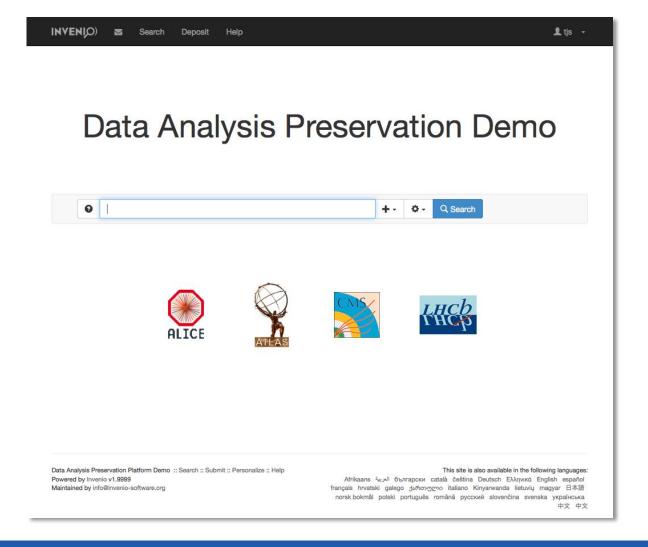
CERN Analysis capture Portal (CAP)

Tim Smith
On behalf of Patricia, Tibor,
Sünje, Frank, and many more





Pilot





Submission Mock-ups

 Workflow, code, statis environment



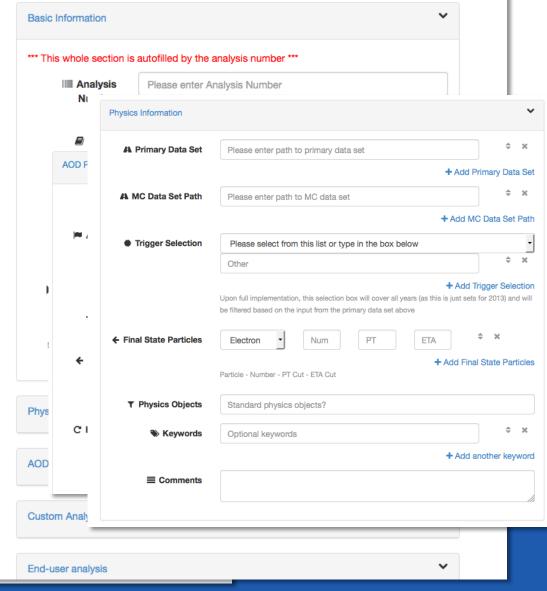
Data Analysis Prese







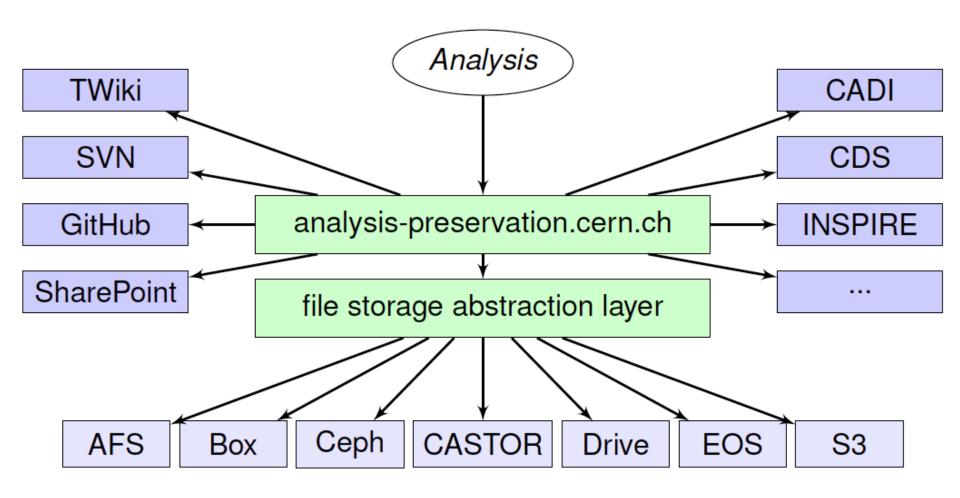




Acess to all submitted data will be restricted to the ALICE collaboration only.



System Architecture





Timelines

- Summer 2014 Pilot studies
 - example analysis
 §§ §§
 - submission forms
- Winter 2014 Infrastructure updates
 - Invenio 2
 - − EOS
 - OAuth
- Spring 2015 Restarting the work
 - requirements and use cases 🤶 🖺 🌉 👞
 - data model 🥷 🖁 💌 🛶

- RECAST 🖁
- statistics committee questionnaire
- synergies with DASPOS (VoCampND2015) \$\frac{1}{2}\$ \$\frac{1}{2}\$



CAP Use Cases (I)

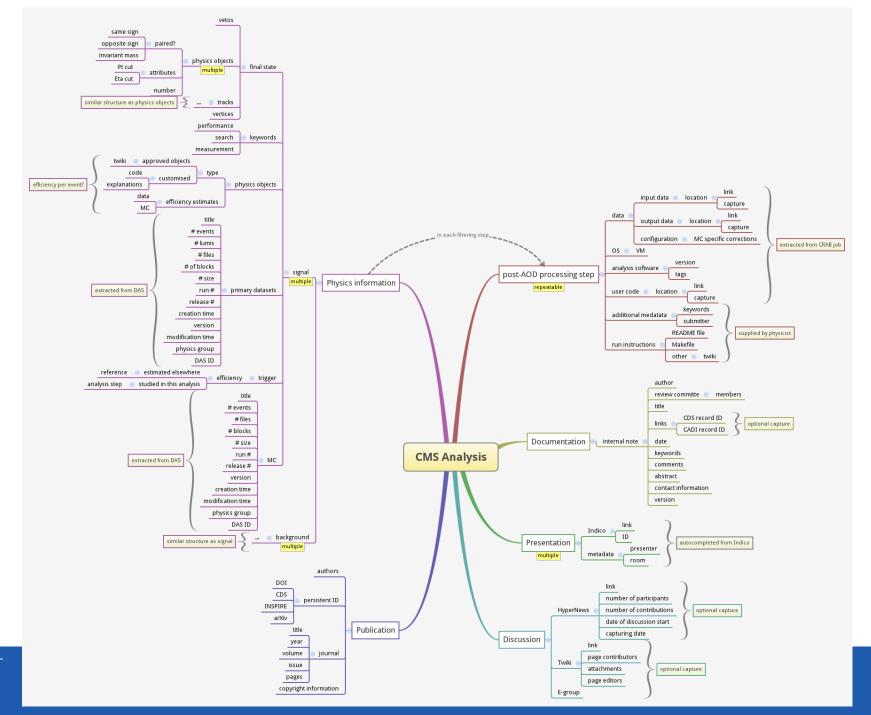
- 1. The person having done (part of) an analysis is leaving the collaboration and has to hand over the know-how to other collaboration members.
- A newcomer would like join a group working on some physics subject
- In a large collaboration, it may occur that two (groups of) people work independently on the same subject
- 4. There is a conflict between results of two collaborations on the same subject



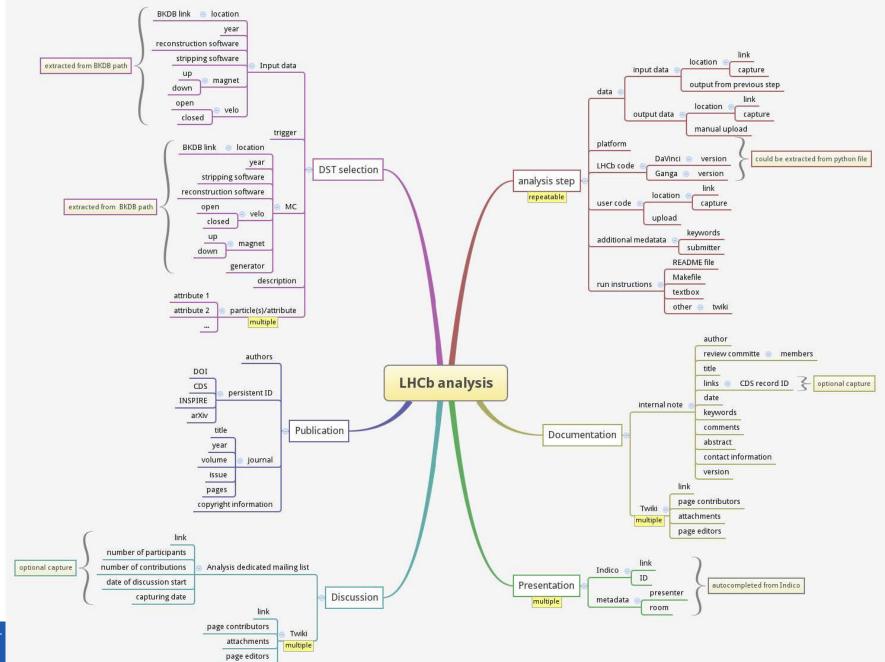
CAP Use Cases (II)

- 5. A previous analysis has to be repeated
- 6. Data from several experiments, on the same physics subject, have to be statistically combined
- 7. A working group or management member within a collaboration wishes to know who else has worked on a particular dataset, software piece or MC
- 8. Presentation or publication is submitted for internal/collaboration review and approval: lack of comprehensive metadata
- 9. Preparing for Open Data Sharing





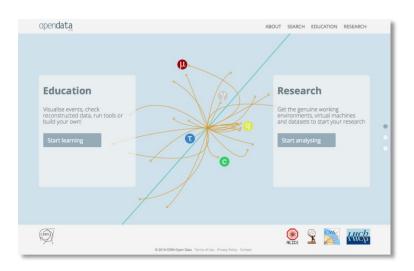


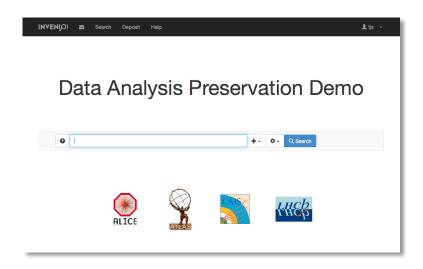




Conclusion

Capture, Share, Preserve





In close collaboration with:

Kati Lassila-Perini, Tom McCauley, Achintya Rao
Alicia Calderon, Ana Rodriguez-Marrero, Adam Huffman, Jonatan Piedra
Silvia Amerio, Ben Couturier, Ana Trisovic
Mihaela Gheata, Costin Grigoras
Kyle Cranmer, Lukas Heinrich, Felix Socher, David Rousseau
Mike Hildreth, Jakob Blomer, Luca Mascetti

Frank Berghaus, Jamie Shiers



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