



# DLCCM Project:

A Swiss  Solution For Long-Term Preservation of Research Data

*Hugues Cazeaux*

*Project's CTO*

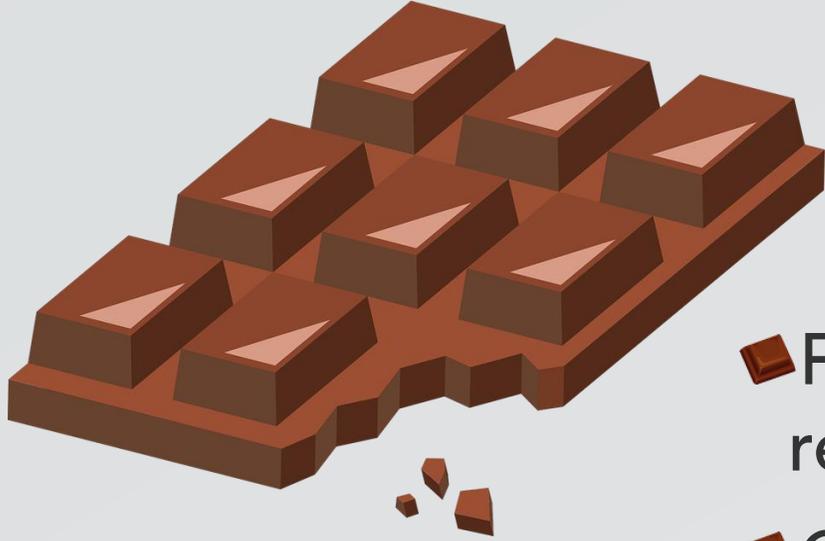
*Pierre-Yves Burgi*

*Project's Director*

Library of Congress, *Designing Storage Architectures Meeting*  
September 9-10, 2019

Mandated by **swissuniversities**

# Why this project? Gaping hole in the market?



- Funding agencies' requirement to archive research data in non-commercial FAIR repositories
- Centralized vs. Distributed Solution
  - the «Swiss Way»
- Controlled by Universities
  - Compliancy with funding agencies
  - Sustainability and trustworthiness
- Abroad vs. Swiss Data Centers
  - Legal regulations on data protection

# The DLCM Story

Aug 2015 – Jul 2018: Phase 1  
Exploration of the whole life-cycle

Jan 2019 – Dec 2020: Phase 2  
*From Prototypes to Services*

June 2019:  **YARETA** in production  
*Geneva state's solution*

January 2020: **LOS** in production  
*National solution*



# The DLCM Project Partners

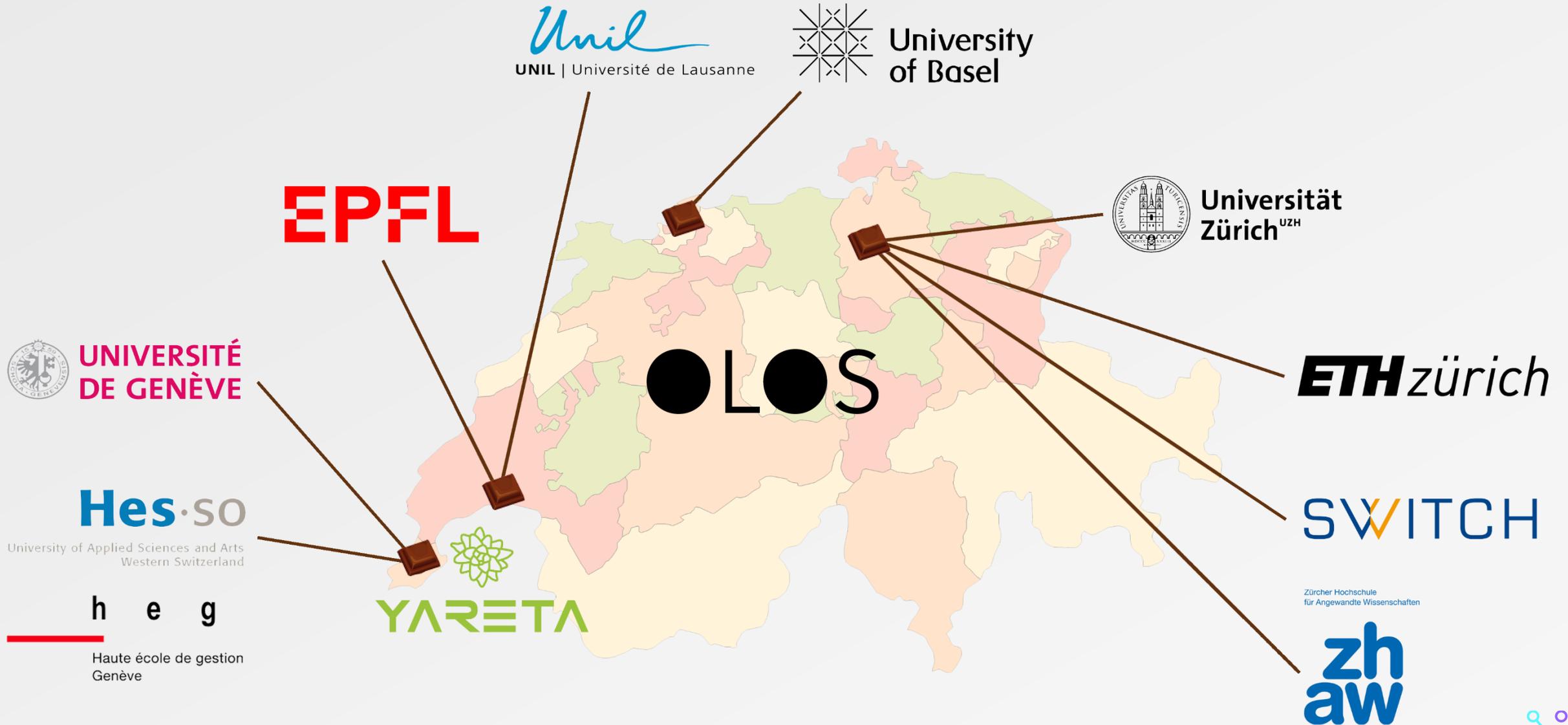




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# Powerful Swiss-made archiving solution

- Based on best practices in the field (OAIS, PREMIS, METS, etc.)
- Benefited from librarian and computer experts from 5+ institutions
- Modular architecture and API for integration to researchers' environments
- Project code in open source (to come)
- Data stored in Swiss locations and abroad

# Innovative Design

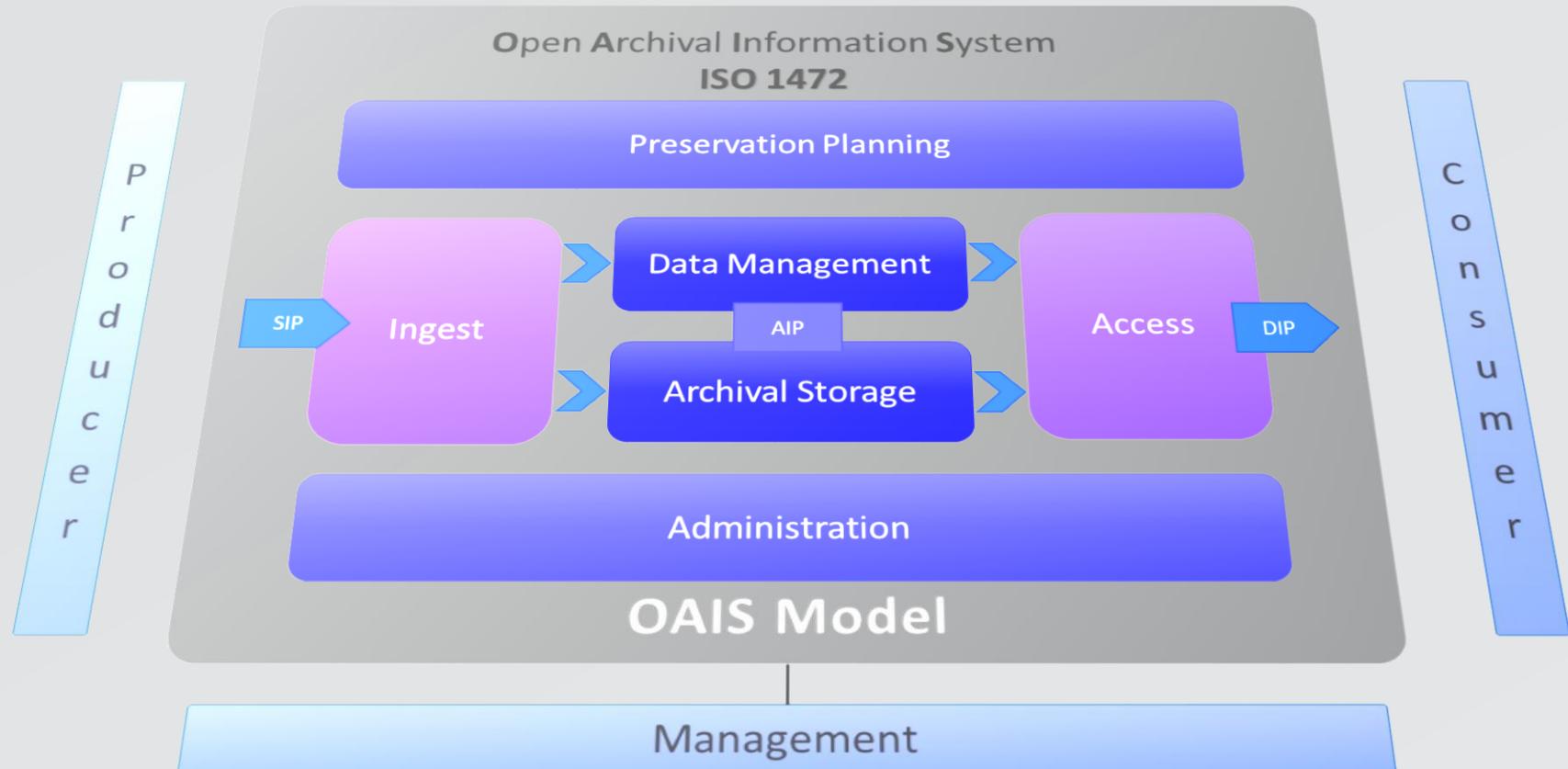
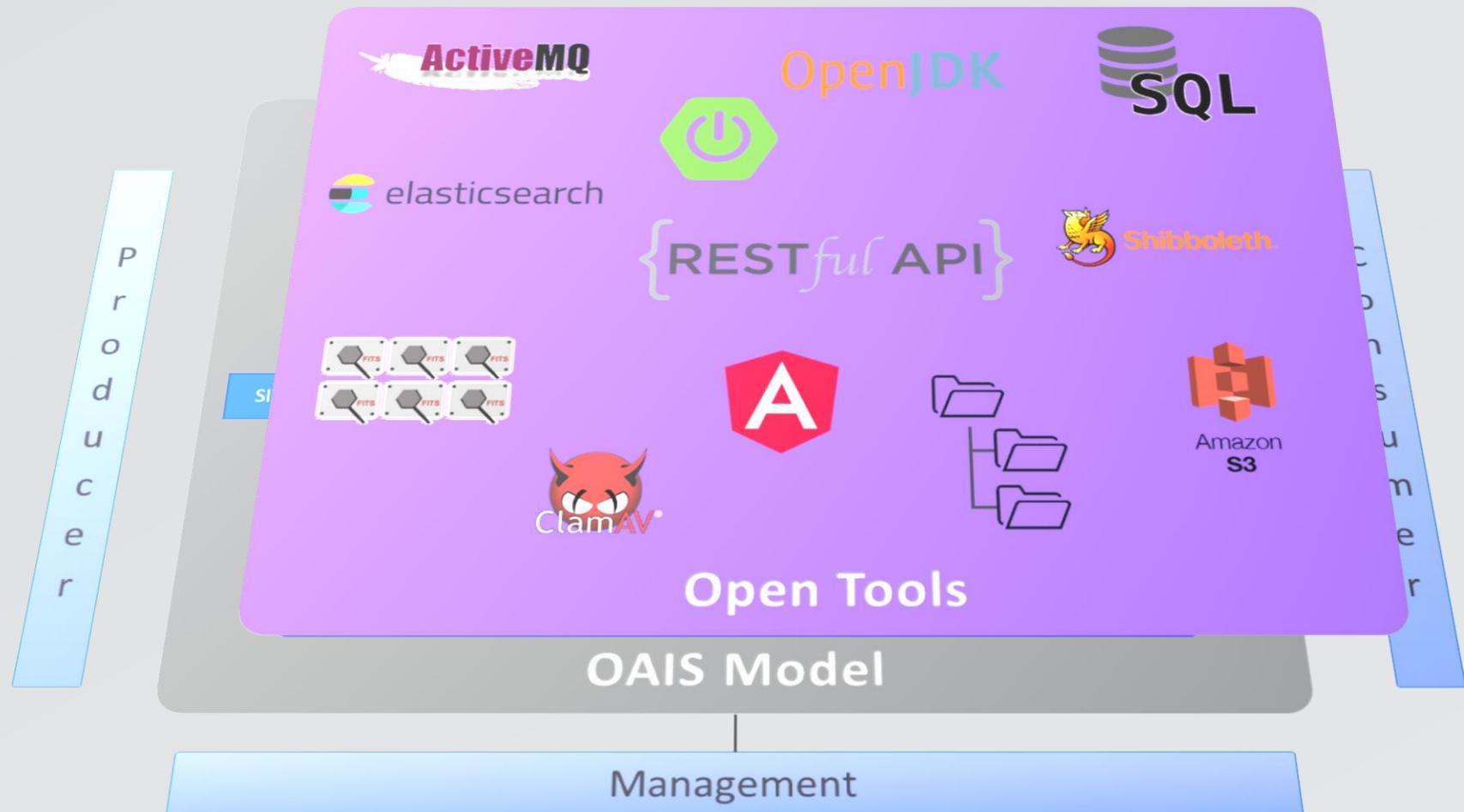


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# Innovative Design



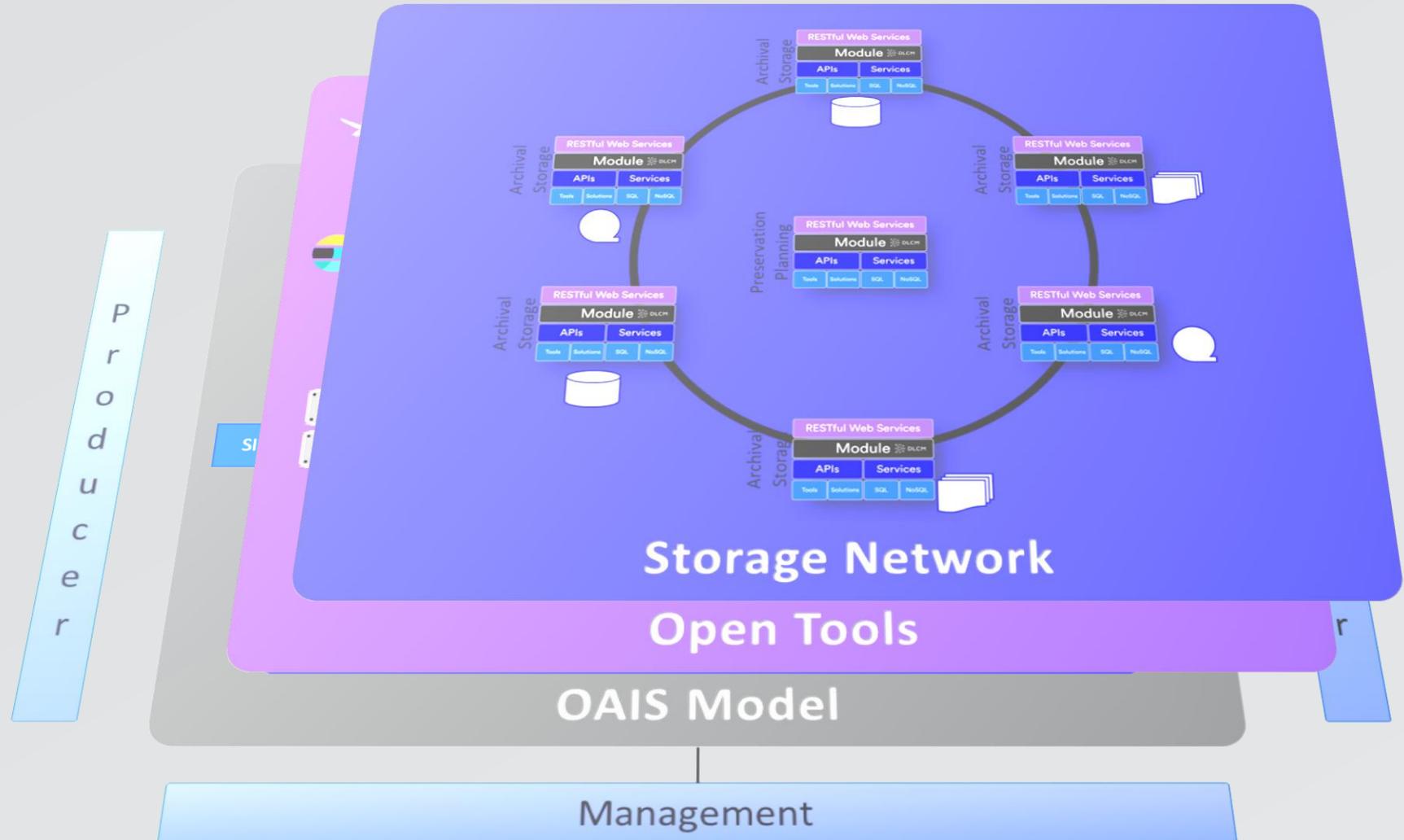
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# Innovative Design



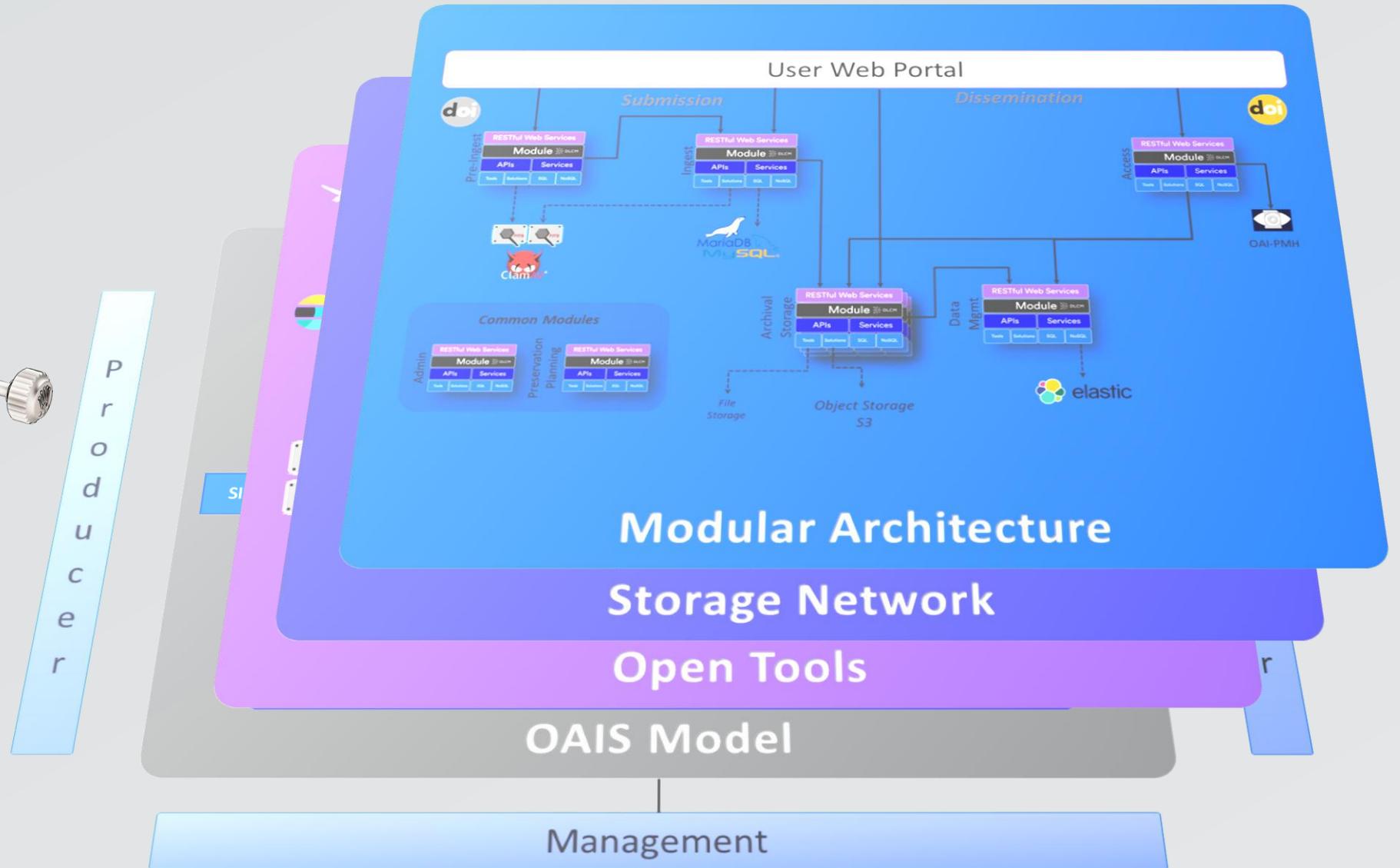
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# Innovative Design



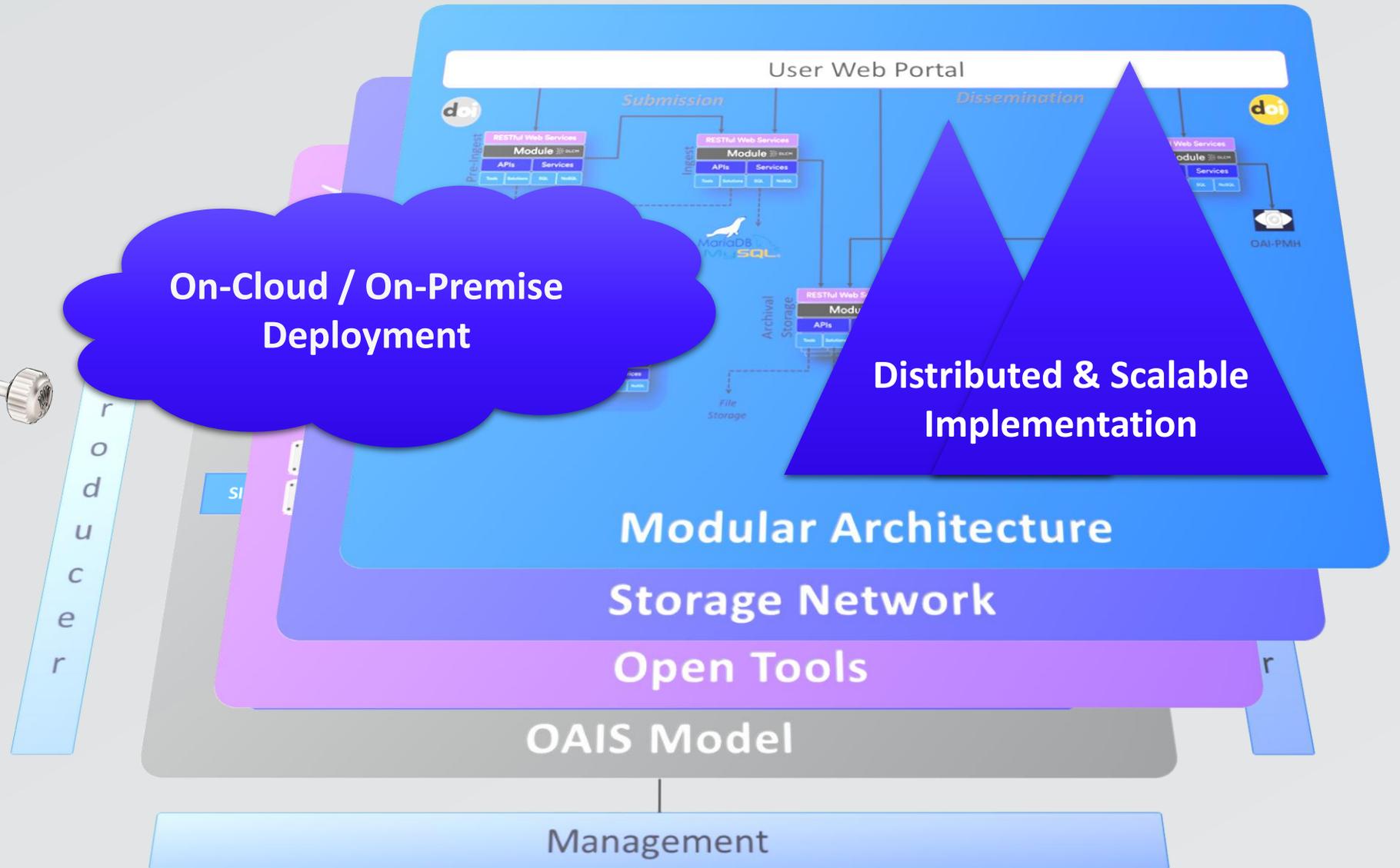
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# Innovative Design



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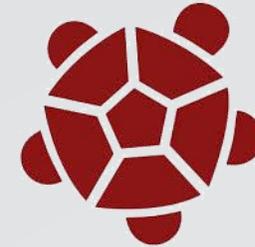


# The pluses of our solution?

🧁 **Integration** with solution providers :

To come...

From data capture to storage



🧁 **General purpose**, yet with soon available plug-in for specific fields: Digital Humanities, Chemistry, Materials science, etc.

🧁 **Turn key solution**



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# Non-for-profit competitors?



Zenodo (CERN)

- ▣ Popular in Switzerland
- ▣ Generic Repository, like DLCM

But:

- ▣ Its mission is not to provide National archives
- ▣ Dependent on European funding

➔ Possibility of collaborating for the 2<sup>nd</sup> dataset copy

# Our Targets?

- 🍫 Individual researchers
- 🍫 Research institutions (public & private)
- 🍫 Service partners:
  - 🍫 Infrastructure partners (data centres)
  - 🍫 OEM partners
  - 🍫 Integration partners



# Need more information ?

🍪 More information on OLOS preservation services?

🍪 Contact: [dlcm.ch/info](https://dlcm.ch/info)

🍪 More information on becoming an OLOS certified partner?

🍪 Contact:  
[pierre-yves.burgi@unige.ch](mailto:pierre-yves.burgi@unige.ch)  
[hugues.cazeaux@unige.ch](mailto:hugues.cazeaux@unige.ch)

