The Role of 4Science in the PeruCRIS Project
Institutional CRIS systems
CERIF PGC profile

Institutions without a compliant CRIS system

Other Peruvian National Databases

Perú CRIS

DSpace CRIS

{REST}

WWW

OpenID

Clarivate
Web of Science™

Crossref
Metadata APIs

ID

Scopus®

PubMed

ALICIA

Access Libre a Información Científica para la Innovación

Open Archives
PGC Data Model

Very close to the CERIF OpenAIRE profile

Extends the OpenAIRE profile
4Science - Methodology of Development

Agile - SCRUM Team:
- Sprints last 4 weeks
- Daily standup meeting for developers
- 3 weekly meetings for the technical team:
  - (continuous) project update with all the key stakeholder (remove blocks)
  - requirements and priorities refinement / focus on value for the project
  - test plan / acceptance test definition
- eXtreme Programming practices adopted:
  - Pair Programming
  - Code Review
  - Test Driven Development

Full DevOps:
- Continuous Integration with automatic test
- Automatic procedures to rollout (incremental) updates to development and test environments
- Full automatic setup and provisioning of the environment (AWS CloudFormation)

Designed to scale:
- All components scale horizontally and vertically
DSpace-CRIS 7: Ready to use, out-of-box CRIS

Default data model based on OpenAIRE information space and CRIS guidelines

Support for real CRIS workflows and use cases
- Full ORCID integration (pull & push)
- Profile (self)management and curation, CV export
- Data quality checks & tools: deduplication, publications claim/unclaim, publication-patent-project lookup
- Fine-grain security

Easy to maintain, most frequent administrative tasks can be performed via UI

Modern UX, full REST API backend
Thank you for your attention!

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