CERIF REFACTORING PROJECT
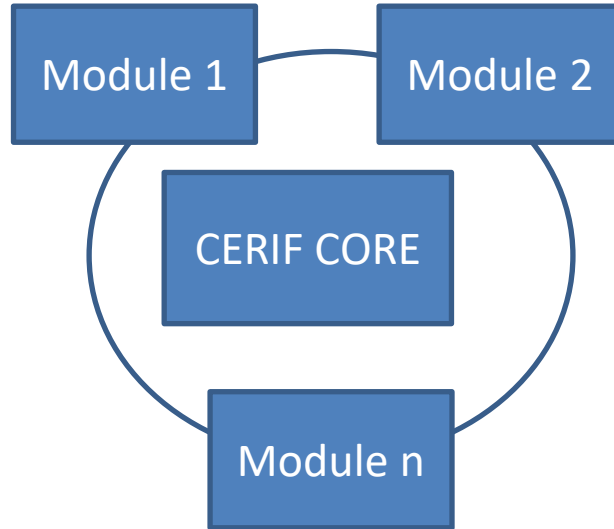
Introduction

euroCRIS mission: "To promote collaboration within the research information community and advance interoperability through CERIF"

Since its foundation in 2002, euroCRIS has curated the Common European Research Information Format (CERIF) model and its associated developments as a paramount element towards interoperable systems and an essential part of its mission. CERIF it's an ontological model for research information systems.

Due to the complexity and size of CERIF, there is a need to adapt it to a more modular and evolvable structure, and this is why they take the decision to refactor CERIF. This move aims to generate better processes that enable CERIF standardization, certification and compliance.

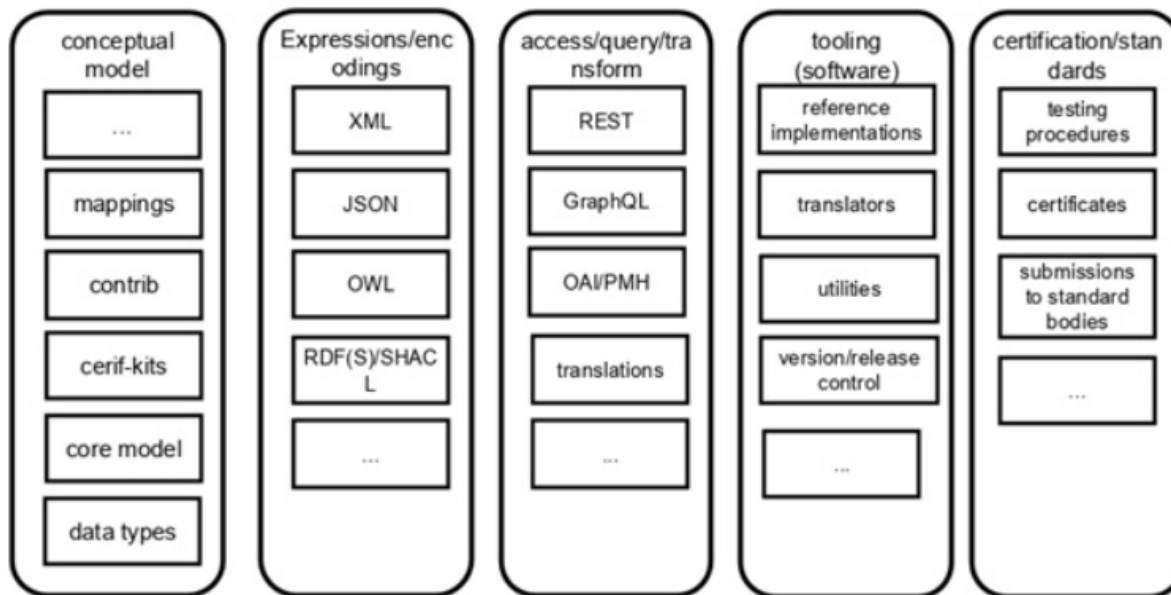https://www.eurocris.org/cerif-refactoring-project-introduction

The project

The key idea is factoring out the core model and then building models on top of it for applications or domains of higher levels of specificity.

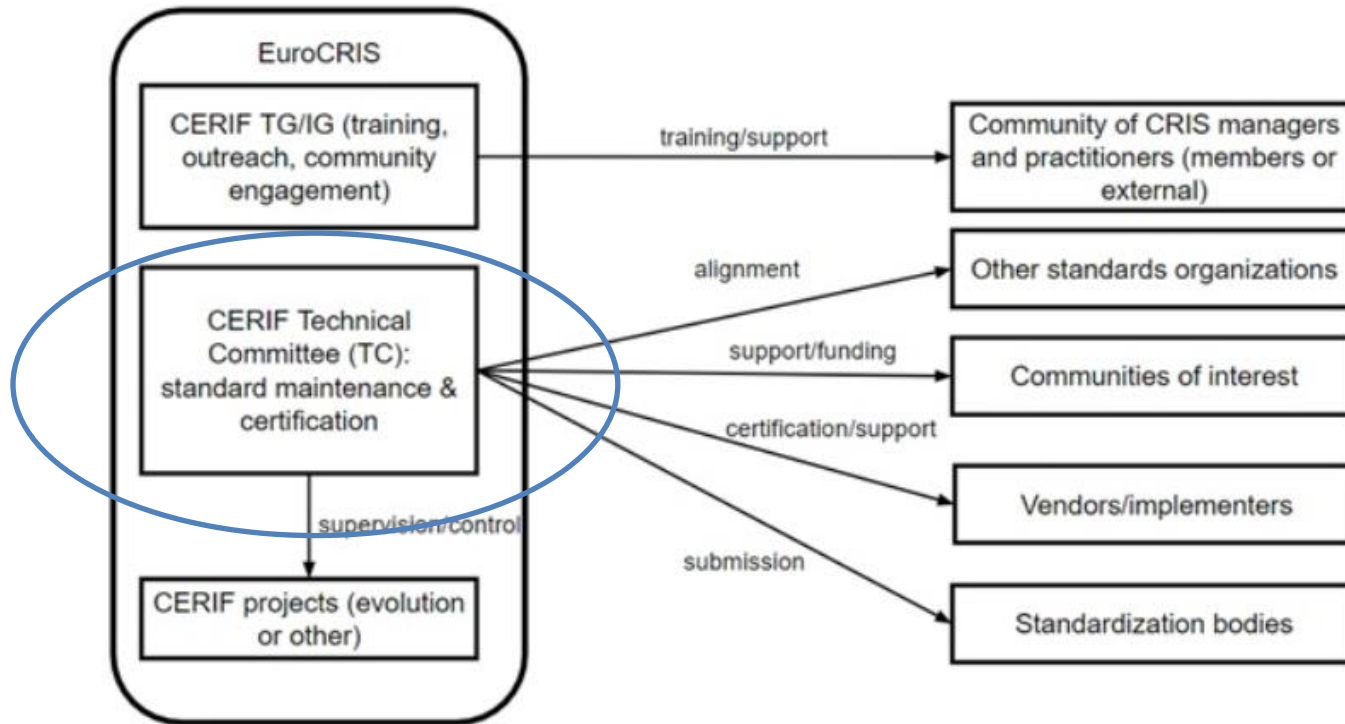*Different modules on top of a CORE model independent and openSource.*

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The infrastructure

conceptual model	Expressions/enc odings	access/query/tra nsform	tooling (software)	certification/stan dards
...	XML	REST	reference implementations	testing procedures
mappings	JSON	GraphQL	translators	certificates
contrib	OWL	OAI/PMH	utilities	submissions to standard bodies
cerif-kits	RDF(S)/SHACL	translations	version/release control	...
core model	...	...	...	
data types				

euroCRIS is the custodian for the CERIF model, but don't want this to become a bottleneck for anyone else interested in building functionality on top of what's available right now, so clear modularity and separation of concerns would allow different communities of interest or practice to work independently on top of the core technology and models provided by CERIF.

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The organization

Call for proposals

euroCRIS is calling research community worldwide with technical background to participate in the Technical Committee, TC, better if they are already (or become) euroCRIS members. The TC membership will be personal, not corporate.

https://www.eurocris.org/eurocris-technical-committee

The TC member profile

The requirements the nominees for the TC (for 3 years term) must meet, are the following ones:

- Experience and **understanding of research information systems**, with an awareness of their role and importance

- General **technical background** in a computing related discipline (computer science, software engineering, IT, etc.) or relevant equivalent professional experience;

- Knowledge on the specifics of technologies related to **interoperability, including formats, patterns and protocols for data interchange, along with modeling languages and systems for knowledge organization.**

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The TC member responsibilities

- Definition of the **strategic aims of the TC** in contributing to the euroCRIS mission

- Assessing how to best apply the **available euroCRIS funding** or any other external resources to support projects or initiatives that contribute to the goals defined above

- **Evaluate and track the progress of projects**, communities and other initiatives that may be relevant to the goals of euroCRIS in the technical dimensions of interoperability

- Eventual **oversight of the processes around capacity** building or product certification related to interoperability and technical standards

- **Promoting euroCRIS wor**k in relevant national and international standardization initiatives, and executing the required steps towards standardization as a core goal of CERIF and euroCRIS

Note: *serving as a member of the TC is not compatible with being a contractor for the projects and pilots that will be funded via euroCRIS calls*, since that would represent a clear case of conflict of interests.

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Conclusions

- In Europe there are interest in both VIVO and CERIF.

- It's important that VIVO community participates in this project, involving in the TC, in order to assure that VIVO ontology and CERIF ontology, aligns. Easing the next step to do the CERIF to VIVO mapping project and easing, at the same time, the evolution of VIVO in Europe.

- The first step (proposed) is to **find any volunteer from the Ontology interest group to be involved in the TC.** If it's not possible, open an inquiry to the VIVO community.

- The deadline of call for proposals is **31st march**, sending an email to *eurocris@eurocris.org*

- *Doubs or questions, could ask me: anna.guillaumet@sigmaaie.org or directly to the email that appears inside the link below (Miguel Angel Sicilia)*

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