ISCTE IUL

Instituto Universitário de Lisboa

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Integrating a local CRIS with the PTCRIS synchronisation ecosystem

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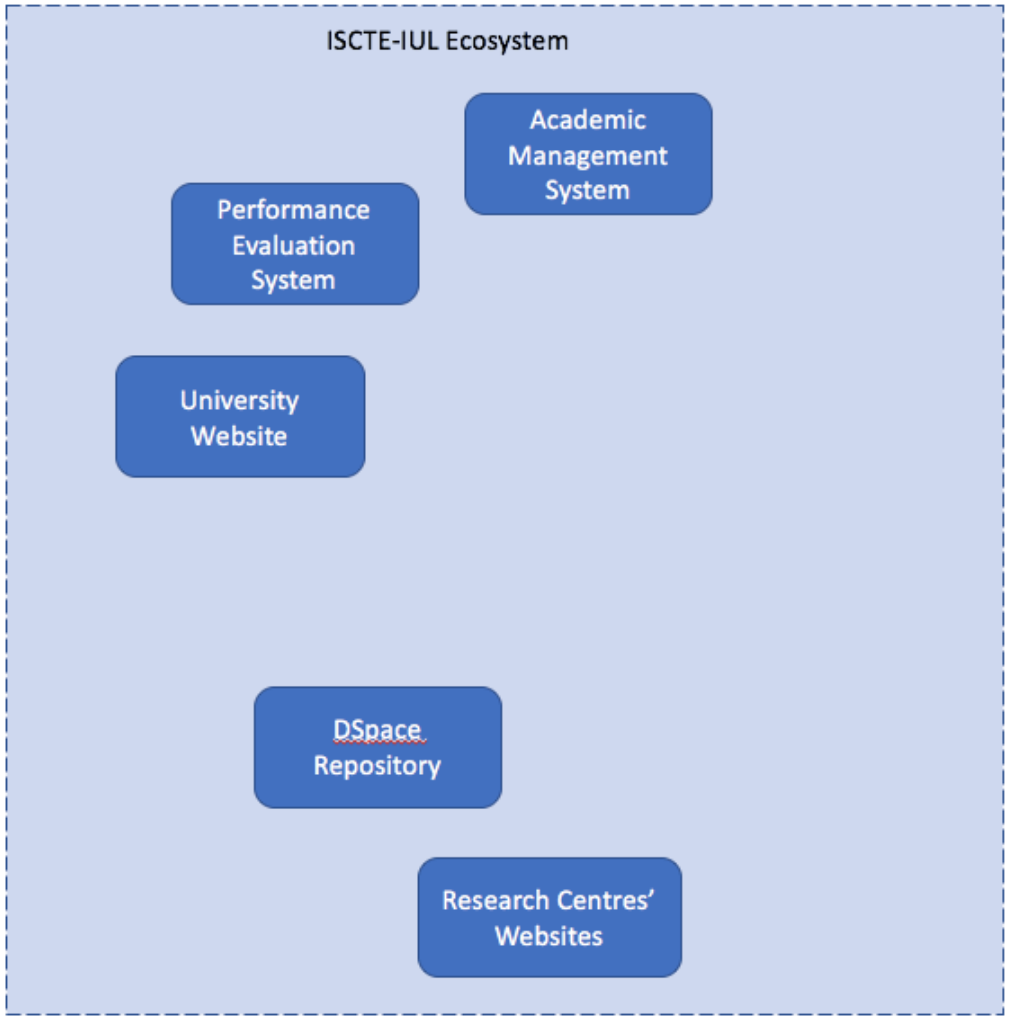
ISCTE – Instituto Universitário de Lisboa

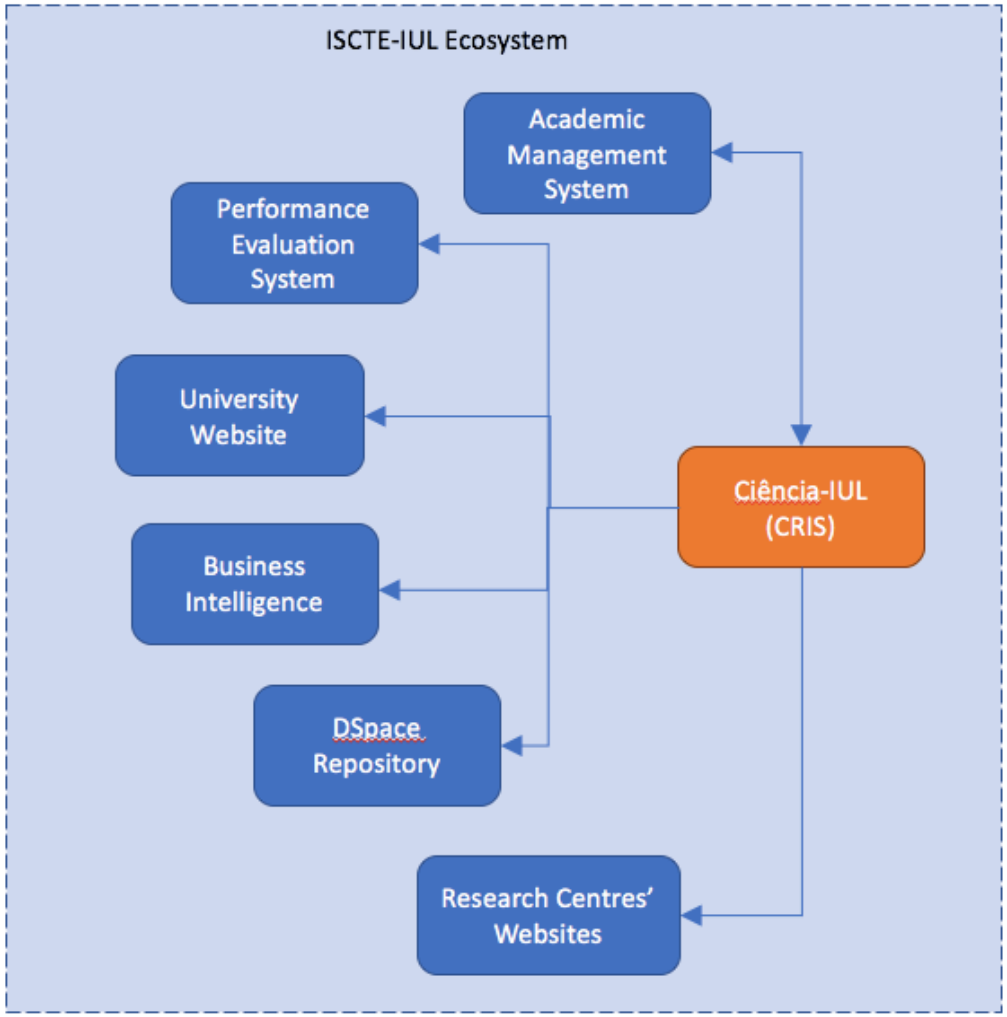
- ISCTE-IUL by numbers
  - Established in 1972 as a Public University in Lisbon, Portugal
  - 9 300 students (55% post-graduate)
  - 370 FTE Faculty | 260 staff
  - 4 Schools (in the areas of Sociology, Psychology, Business and Technologies)
  - 22% foreign students | 85 nationalities on campus
  - 8 research units | +32 000 scientific productions

Brief History of our CRIS (Ciência-IUL)



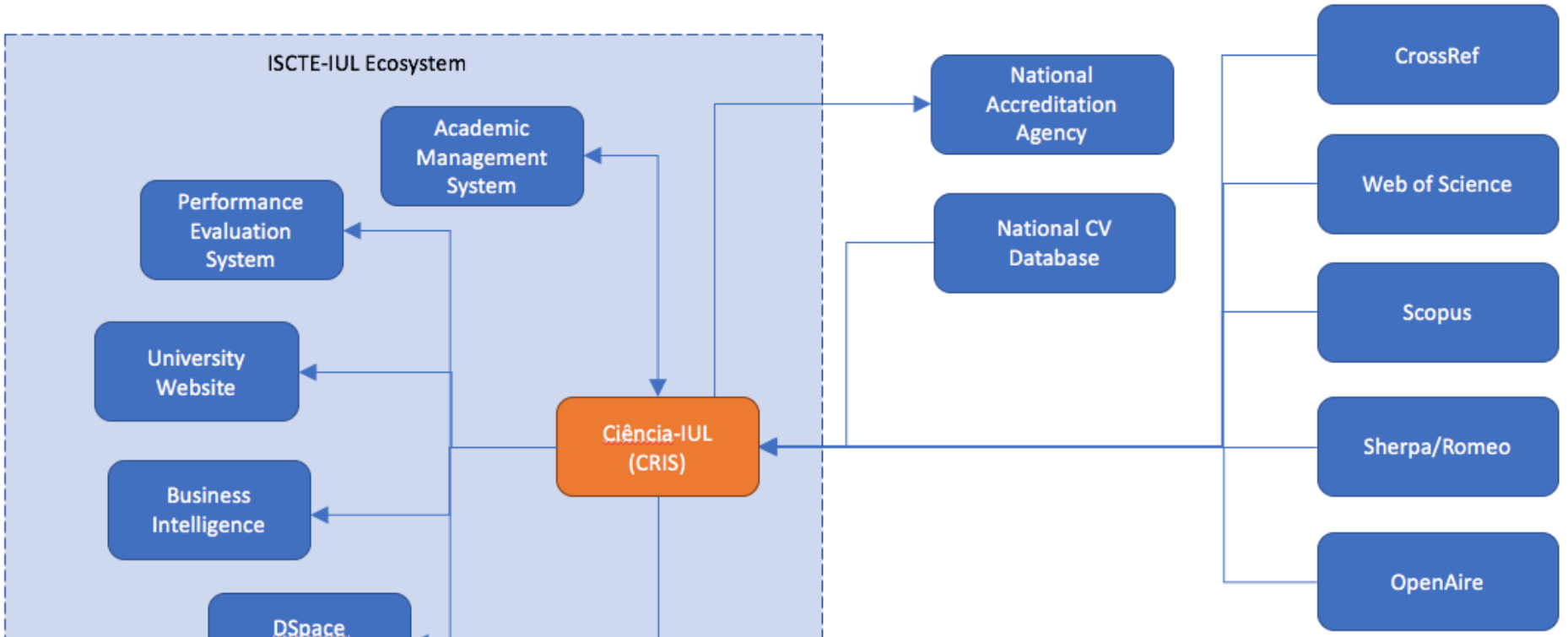
- Multiplicity of (non-integrated) systems
- Duplication of effort while filling out information
- Outdated or missing information

Brief History of our CRIS (Ciência-IUL)



- Consolidation and interoperability effort in the internal systems
- Single point of information source for scientific productions and curriculum

Brief History of our CRIS (Ciência-IUL)



- All these integrations are cool but the developing team hates this!

Why is this bad?

- Although it allows for our CRIS to be interoperable with multiple (internal and external) systems, this individual integration approach is not sustainable

- Clear need for a generic integration mechanism for interoperability and synchronisation of research information systems

How do we fix this?

https://ptcris.pt/

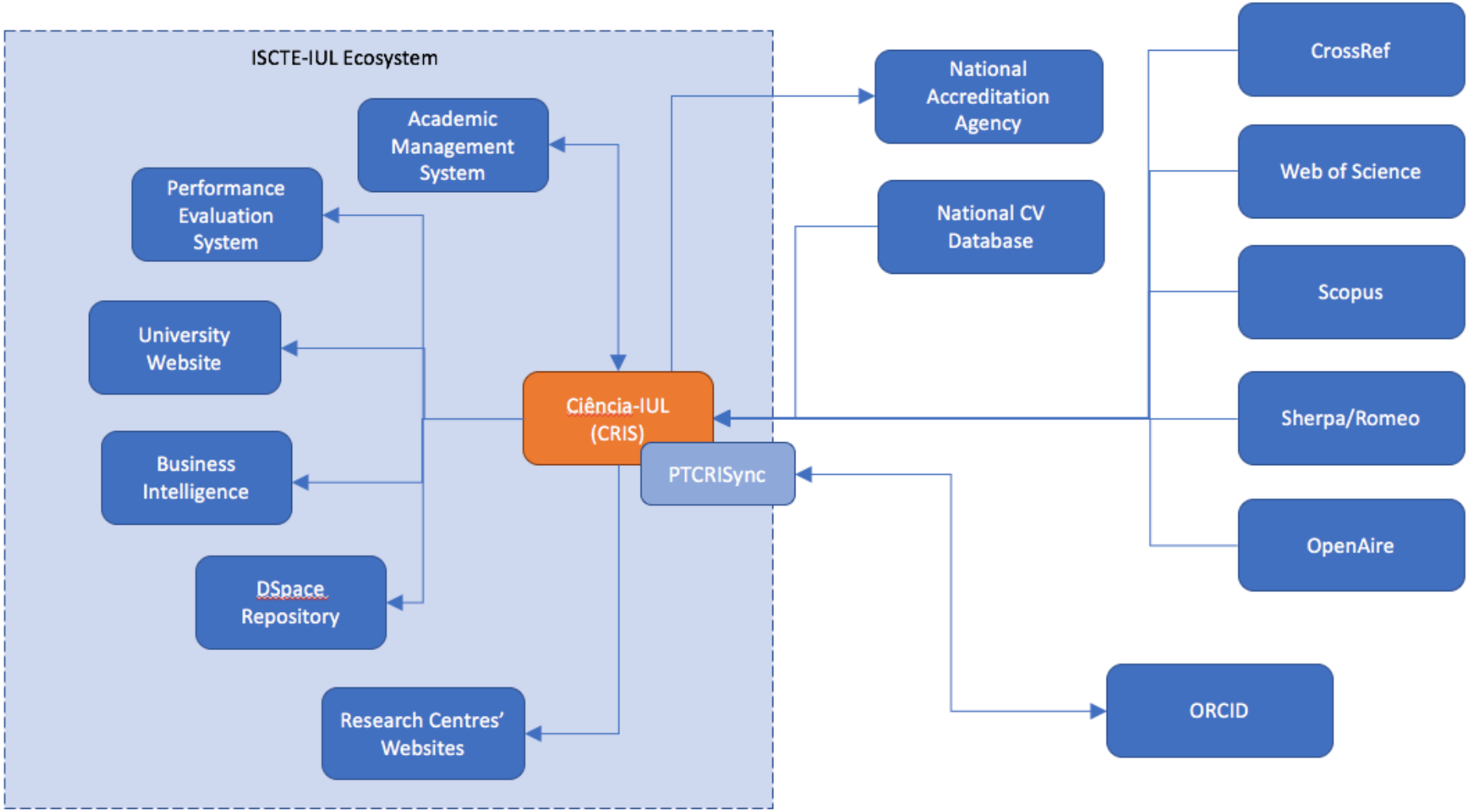
PTCRIS in a sentence

Define a **regulatory framework** to enable the creation of an **ecosystem that connects multiple research management systems** such that the researcher only has to deposit the information in one of the connected systems, which will then **synchronise** the information across the remaining systems

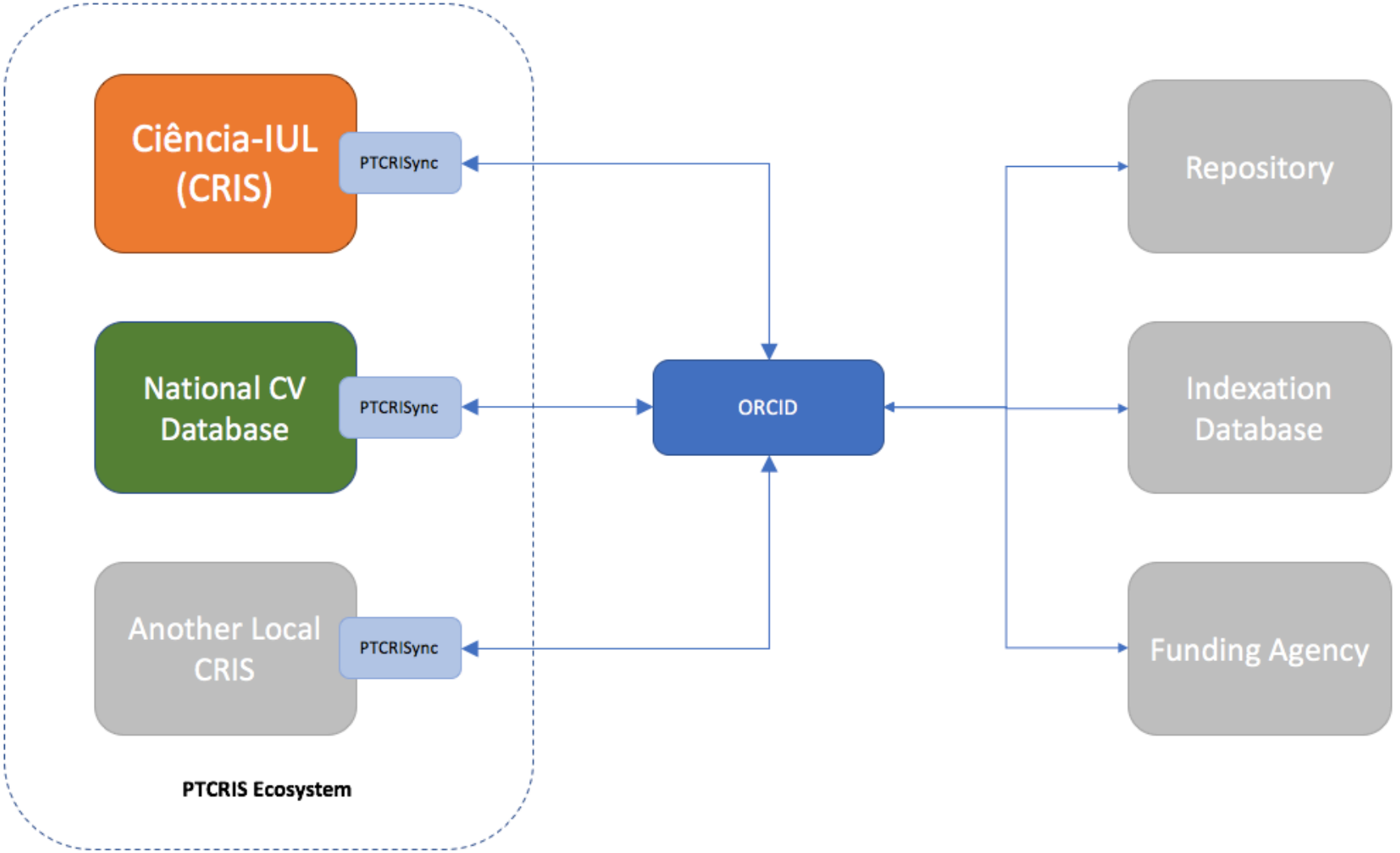
PTCRISync in a sentence

A uniform and modular mechanism for **synchronising** scientific productions between a local system and a central hub in the ecosystem

Ciência-IUL & PTCRISync



PTCRISync in a picture



Demo time!

Live Demo

(hope I don't angry the Live Demo Gods)

(if I do, there's a backup video, don't worry)

What are the gains?

Well, time **is** money!

	Real Gains (1 system, ORCID)	Potential Gains (Number of systems added to the ecosystem)		
	1	2	3	4
Currently 19 000 records	950 hours 14 250 €	1 900 hours 28 500 €	2 850 hours 42 750 €	3 800 hours 57 000 €
In the Future 32 000 records	1 600 hours 24 000 €	3 200 hours 48 000 €	4 800 hours 72 000 €	6 400 hours 96 000 €

Assumptions:
- 3 minutes per publication
- 15 € / hour (average income for PT researcher)

Example:
19 000 records * 3 minutes * 15 €/hour = 14 250 € (950 hours)

PTCRISync at Github

https://github.com/fccn/PTCRISync/wiki

- Overview of the Framework
- Technical Documentation
- Open-Source Java Library
- PTCRISync as a Service (soon)
- Videos

Thanks

More info and details on the paper:

http://hdl.handle.net/11366/650

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