

Preservation Action Registries

DPC Briefing Day on

**Preservation Planning and
Technology Watch**



9 February 2021

Preservation Action Registries



Agenda

- What PAR is
- What it is Good For
- PAR Current State
- Desired Future State

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What PAR is



An interlingua between preservation systems

A common means for preservation systems to

- describe the preservation actions they can perform,
- when to perform them, and
- how they are executed.

What PAR is



An interlingua between preservation practitioners

A way for preservation practitioners to describe their business rules

- Which preservation actions they have chosen to perform
- When and why to perform them

What PAR is



PAR defines

- **A Data Model:** conceptual model, json schemas
- **An API:** common read and write interface to preservation systems
- **A Protocol:** practical, usable, multi-vendor approach

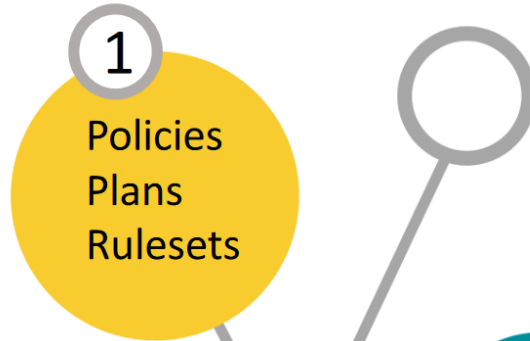
What PAR can be



PAR is meant to be about

- **The Future:** declare policies, capabilities – what we intend
- **The Present:** describe current good practice – what we are doing
- **The Past:** provide better evidence of what we have done

What's good practice?
What should I do?
What do you do?
Why do it that way?
I'm going to do this...



What's possible?
What can this system do?
What tools can I use?
What formats?



What did my system do?
What worked?
What didn't?
Where's the evidence?



sharing good practice

Current State



- Data Model and API implemented in current Preservica release
- Proof of Concept add-on to Archivematica that translates to PAR API
- Example tool to inspect the Preservation Actions available in 3 different preservation systems:
 - Preservica
 - Standard Archivematica hosted by Artefactual
 - Arkivum hosted version of Archivematica

<https://concept.preservica.com/par-browser>

Desired Future State



- Describing the Future
 - Rulesets to connect business rules to higher level policies
 - Improve use of Objects to connect preservation actions to complex intellectual entities (not just files)

Desired Future State



- Describing the Present
 - Incorporate PAR Data Model into core Archivematica Data Model
 - Connect to other systems (wikiDP, PRONOM, tool registries)

Desired Future State



- Describing the Past
 - Connecting DP execution (outcomes) with DP plans (desires)
 - Reporting of preservation events (successful and otherwise)
 - Combining PAR with standards such as PREMIS and PROV-O
 - Working at scale

How You Can Help



Get Involved

- Find us
 - on github: <https://github.com/openpreserve/par/>
 - Website: www.parcare.org

Try the PAR Browser

<https://concept.preservica.com/par-browser>

Thanks and Questions

