The SCAPE Planning and Watch suite
Supporting the preservation lifecycle in repositories

Repository events
Information about important repository events, like ingest trends and preservation action outputs.

Content profile
A summary of important content features. This may be obtained by running characterization tools like FITS, then aggregate and analyze their output with C3PO.

Report API
OAI-PMH interface that provides PREMIS information about repository events, like ingest and access.

Data Connector API
HTTP REST interface to search, access, and modify repository files and representations.

Repository

Data Connector API
HTTP REST interface to deploy and manage preservation plans in the repository.

Plan Management API
HTTP REST interface to deploy and manage preservation plans in the repository.

Platform
System to execute action workflows defined in preservation plans upon all content.

Watch

Scout
Preservation watch system

Risk & opportunity notification

Preservation planner
The planner is informed by Scout about risks and opportunities. This person defines a preservation plan to address these, and sends it to the repository to be executed. The progress of the plan execution is monitored by Scout.

Planning

Preservation plan
The preservation plan documents all evidence which lead to the adoption of the selected strategy to preserve the content. Part of it is a workflow which can be executed by the repository on a platform of choice.

Plato

Define Requirements
Evaluate Alternatives
Analyse Results
Build preservation plan

Content profile
A summary of important content features. This may be obtained by running characterization tools like FITS, then aggregate and analyze their output with C3PO.

Your Data

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Links
C3PO
http://peshkira.github.io/c3po/
Scout
http://openplanets.github.io/scout/
Plato
http://www.ifs.tuwien.ac.at/dp/plato/
Repository APIs
https://github.com/openplanets/scape-apis

Acknowledgements

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