



National Aeronautics and  
Space Administration

Jet Propulsion Laboratory  
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# Common Interoperable Protocols and Interface Specifications for Repositories

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NASA Jet Propulsion Laboratory (JPL),  
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Research Data Alliance (RDA) Eleventh Plenary Meeting

21 - 23 March 2018

Berlin, Germany

Repository Platforms for Research Data (RPRD) Interest Group

Thursday, March 22, 2018, from 15:30 to 17:00



# Background

- A standard implementable reference model is being developed
  - *Based on the Open Archival Information System (OAIS) Reference Model – ISO 14721.*
  - *The model will include:*
    - repository interface specifications and protocols for repository interoperability.



# New Working Group

- WG Topic
  - *Common Interoperable Protocols and Interface Specifications for Repositories*
- An 18 month activity is proposed
  - *Produce recommendations for a set of repository interface specifications for trusted long-term digital repositories and protocols for repository interoperability.*



# Candidate Interfaces

- Archive\_Service
- Archive\_Abstraction\_Service
- Query\_Service
- Registry\_Service
- Repository\_Service
- Security\_Service
- Subscription\_Service



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# Thank You

## Questions and Answers

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