

„What makes it possible for the web to be composed of small pieces loosely joined?

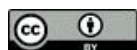
Metadata“

Jeffrey Pomerantz

*Use of Metadata in Research
Data Repositories:
Use Case IST Austria
DataRep*

Use of Metadata in Research Data Repositories: Use Case IST Austria DataRep

Work-Package-Cluster:	Cluster I: Metadatenkomplex aus nicht-technischer und technischer Sicht	
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Kurzbeschreibung (Deutsch):	Use Case von IST Austria: dataRep Forschungsdaten Repository
Description (English):	Use Case von IST Austria: dataRep Repository for Research Data
Schlagwörter (Deutsch):	Metadata– Repository-Forschungsdaten- Österreich - Austria
Keywords (English):	Metadata – Repository-Research Data -Quality –Austria

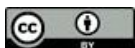
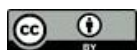


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e-Infrastructures Austria

e-Infrastructures Austria is a project for the coordinated establishment and development of Repository infrastructures for digital resources in research and science throughout Austria to securely archive and publish digital publications, multimedia objects and other digital data resulting from research and education.

Key facts

Begin: 1. January 2014

Ends: 31. December 2016

Project coordination: [University of Vienna](#)

Partners: [25 Partner institutions](#)

Funding agency: Federal Ministry of Science, Research and Economics BMWFW

Website: <http://www.e-infrastructures.at/>

Coordination Office: Library of the University of Vienna

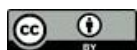
E-Mail: office@e-infrastructures.at

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Executive Summary Deutsch

As part of the work of Cluster Metadata, it was determined that it was worth to investigate the use of Metadata in tandem with Research Data stored in a Digital Repository.

We (Yukiko, Andreas, José Luis) met on March 15, 2015 with Barbara Petritsch, Repository Manager of IST Austria, to discuss their experiences with Metadata for Research Data.



Overview

As part of the work of Cluster Metadata, it was determined that it was worth to investigate the use of Metadata in tandem with Research Data stored in a Digital Repository. We met on March 15, 2015 with Barbara Petritsch, Repository Manager of IST Austria, to discuss their experience with Metadata for Research Data.

Use Case: IST (Institute for Science and Technology Austria)

This report provides information regarding the use of Metadata for Research Data at IST Austria

About IST Austria

The Institute of Science and Technology Austria (IST Austria) is a young international institute dedicated to basic research and graduate education in the natural and mathematical sciences, located in Klosterneuburg on the outskirts of Vienna.

IST Austria is committed to conducting world-class research. By 2026, up to 90 research groups will perform research in an international state-of-the-art environment.

IST Austria is a Partner of e-Infrastructures Austria.

Repository Manager: Barbara Petritsch
www.ist.ac.at

IST DataRep: The Repository for Research Data from IST Austria

The Research Data Repository from IST Austria is called Data Rep, and allows Researchers to store their Research Data.

DataRep began operations in 2015 and is based on the **e-Prints Software Platform**. IST Scientists are not limited by file format, they can store any format. Digital Objects obtain a DOI automatically. DataRep is DataCite compatible

Below is a screenshot of IST DataRep (<https://datarep.app.ist.ac.at/28/>)

The screenshot shows the IST Austria logo and the IST DataRep logo at the top. Below the logos is a navigation bar with links: Home, About, Browse by Subject, Browse by Author, Browse by Research Group, Browse by Year, and Repository Policies. A search bar is also present.

The main content area displays the title: "Experimental part of CAV 2015 publication: Counterexample Explanation by Learning Small Strategies in Markov Decision Processes". The author is listed as "Fellner, Andreas".

Collection Description
 This repository contains the experimental part of the CAV 2015 publication Counterexample Explanation by Learning Small Strategies in Markov Decision Processes. We extended the probabilistic model checker PRISM to represent strategies of Markov Decision Processes as Decision Trees. The archive contains a java executable version of the extended tool (prism_dectree.jar) together with a few examples of the PRISM benchmark library. To execute the program, please have a look at the README.txt, which provides instructions and further information on the archive. The archive contains scripts that (if run often enough) reproduces the data presented in the publication.

DOI of this Data Collection: 10.15479/AT:ISTA:28

Cite this: Fellner, Andreas (2015): Experimental part of CAV 2015 publication: Counterexample Explanation by Learning Small Strategies in Markov Decision Processes. IST Austria. <http://dx.doi.org/10.15479/AT:ISTA:28>

Related publication DOI: 10.1007/978-3-319-21690-4_10
 Related publication URL: <http://arxiv.org/abs/1502.02834>

Keywords :	Markov Decision Process, Decision Tree, Probabilistic Verification, Counterexample Explanation
Subjects :	000 Computer science, knowledge & general works > 000 Computer science, knowledge & systems > 004 Data processing & computer science 000 Computer science, knowledge & general works > 000 Computer science, knowledge & systems > 005 Computer programming, programs & data
Depositing User :	Andreas Fellner
Date Deposited :	13 Aug 2015 08:16
Last Modified :	19 Feb 2016 08:57
URI :	https://datarep.app.ist.ac.at/id/eprint/28

Available Files
 Full Archive
 + Fellner_DataRep.zip

+ Additional details

Metadata for Research Data in IST DataRep

IST DataRep uses Dublin Core as Metadata Schema. IST does not have any special requirements or needs for modifications to the DC Schema.

Metadata Fields in DataRep

IST DataRep's landing page for digital objects includes 3 sections of Metadata:

- General,
- Available files
- and Additional Information

General

Object title and subtitle
Description
DOI
Cite as
Related publication DOI-URL
Keywords
Subjects
Depositing User
Deposit date
Last modified
Uri

Available Files

files part of this collection

Visible to
Content
File description
Metadata revision
Mime type
License
File size

Additional information

Creators: Creator, email, Research Group
Contributors: Contributor, email, Research Group
Funders: Funding agency and Grant #
Resource Language: language of the resources/additional files
Status: inactive, published, etc
Publisher: IST Austria
Contact email:
Last modified