

# Forschungsdaten-Management im Rahmen der PARTHENOS Training Suite

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# Gliederung

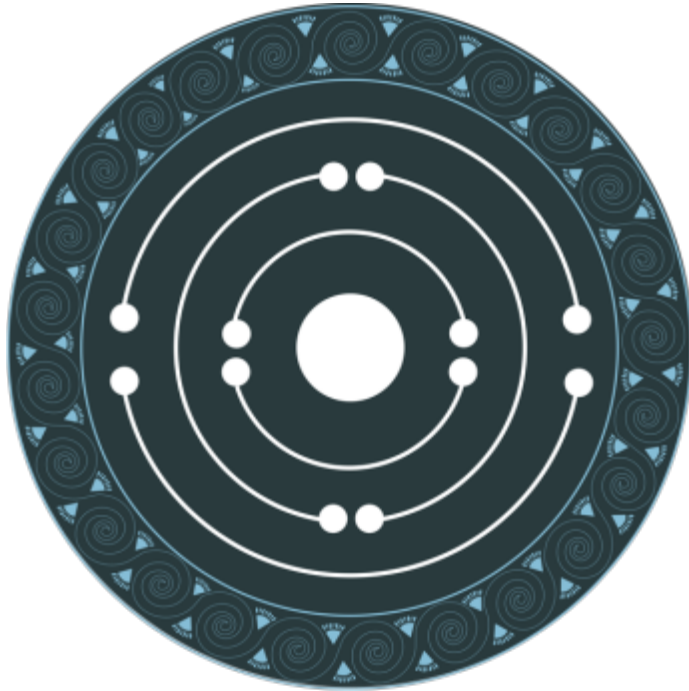
1. PARTHENOS
2. PARTHENOS Training
3. Die PARTHENOS Training Suite
4. FDM relevante Themen
5. Ausblick





# Vorstellung PARTHENOS

**PARTHENOS STANDS FOR...**



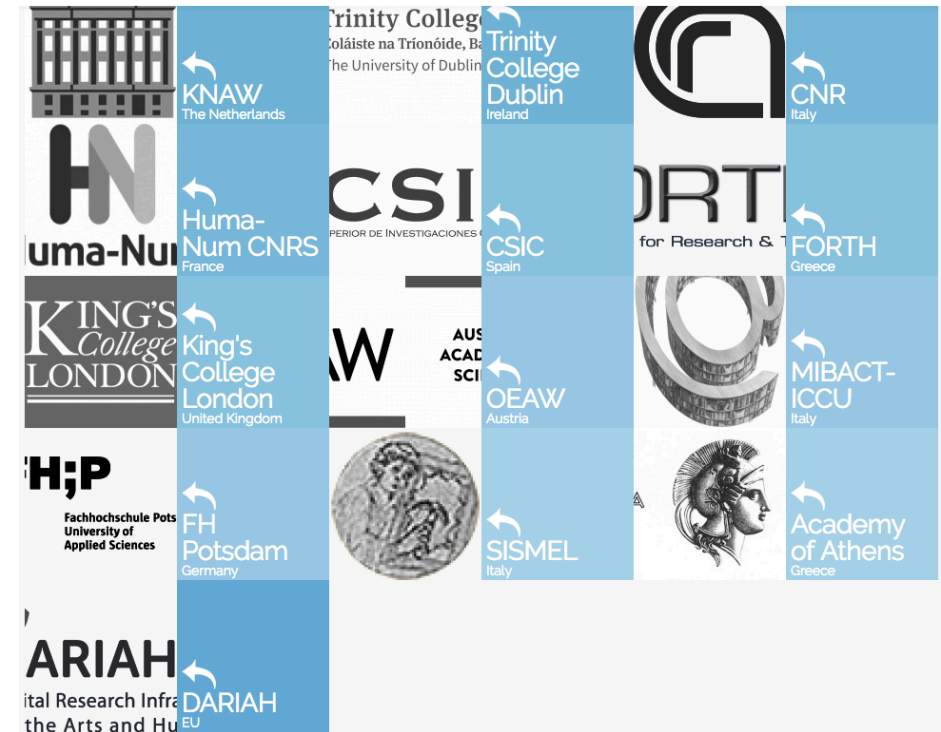
# PARTHENOS

Pooling Activities, Resources and Tools  
for Heritage E-research Networking,  
Optimization and Synergies



# PARTHENOS FACTS

- PARTHENOS is a Horizon 2020 project (European Commission, 12 million EUR)
- Aim: strengthen the cohesion of Heritage related E-research
- Running time: 1 May 2015 - 30 April 2019
- PARTHENOS has 16 partners from 9 European countries, including the two humanistic research infrastructures CLARIN ERIC and DARIAH ERIC
- PARTHENOS Coordinator: PIN Scrl - Educational and Scientific Services for the University of Florence, Italy





**Vorstellung PARTHENOS  
Training (WP7)**

# PARTHENOS WP 7 “Skills, professional development and advancement”

## Structure of WP7 (TCD):

- . T7.1 Development of the integrated Training Plan (TCD)
- . T7.2 Implementation of the integrated Training Plan (FHP)
- . T7.3 Coordination and assessment of Trans National Access (KNAW-NIOD)
- . T7.4 Definition of higher education curricula (TCD)





# Using Training to Build Communities of Knowledge Transfer

Most research infrastructure projects view training in a very narrow sense: filling the gap between users and their tools

PARTHENOS training seeks to bridge much larger gaps:

- between disciplines and communities
- between professions, sectors, and roles
- between research infrastructure communities and those inexperienced with research infrastructures





# Using Training to Build Communities of Knowledge Transfer

- strength of PARTHENOS:
  - Interdisciplinary, many institutions, and research infrastructure projects
  - Unique wealth of knowledge
- knowledge transfer about the roles, functions, and potentials of digital research infrastructures in DH and heritage related E-research
- ✓ not only learning **about** research infrastructures but learning **through** them.



## "CULTURE AND TECHNOLOGY" IN LEIPZIG

The European Summer University in Digital Humanities; 19 - 29 July 2016

# Guiding Principles for the Development of the PARTHENOS Training suite

1. address two levels of user needs:
  - ‘**need to know about**’ (awareness raising)
  - ‘**need to know how to do**’ (skills building)
2. Understand that **researchers don’t act alone**, many associated actors also have training needs
  - discipline perspectives
  - role perspectives
3. Focus on **asynchronous** delivery, ‘**train the trainers**’ approaches and **partnerships** with other projects and initiatives to attain maximum impact



## Do the Humanities Need Research Infrastructure?

Modern definitions recognise that all disciplines have infrastructural needs, for data, for specialist knowledge, for methodological support, for storage and processing power. As such, the arts and humanities need shared research infrastructure as much as any other discipline.

## Development of WP7 training (esp. T7.1 and T7.2):

### - “Phase 1“ (years 1-2):

- analysis of user requirements (WP2)
- development of the integrated Training Plan (WP7)
- „Phase 1“ training and education activities (WP7)
- assessment of initial Training plan (WP2)
- update (WP7)

### - “Phase 2“ (years 3-4):

- implementation of the updated Training Plan (WP7 with all WPs)
- new modules, new submodules, F2F activities

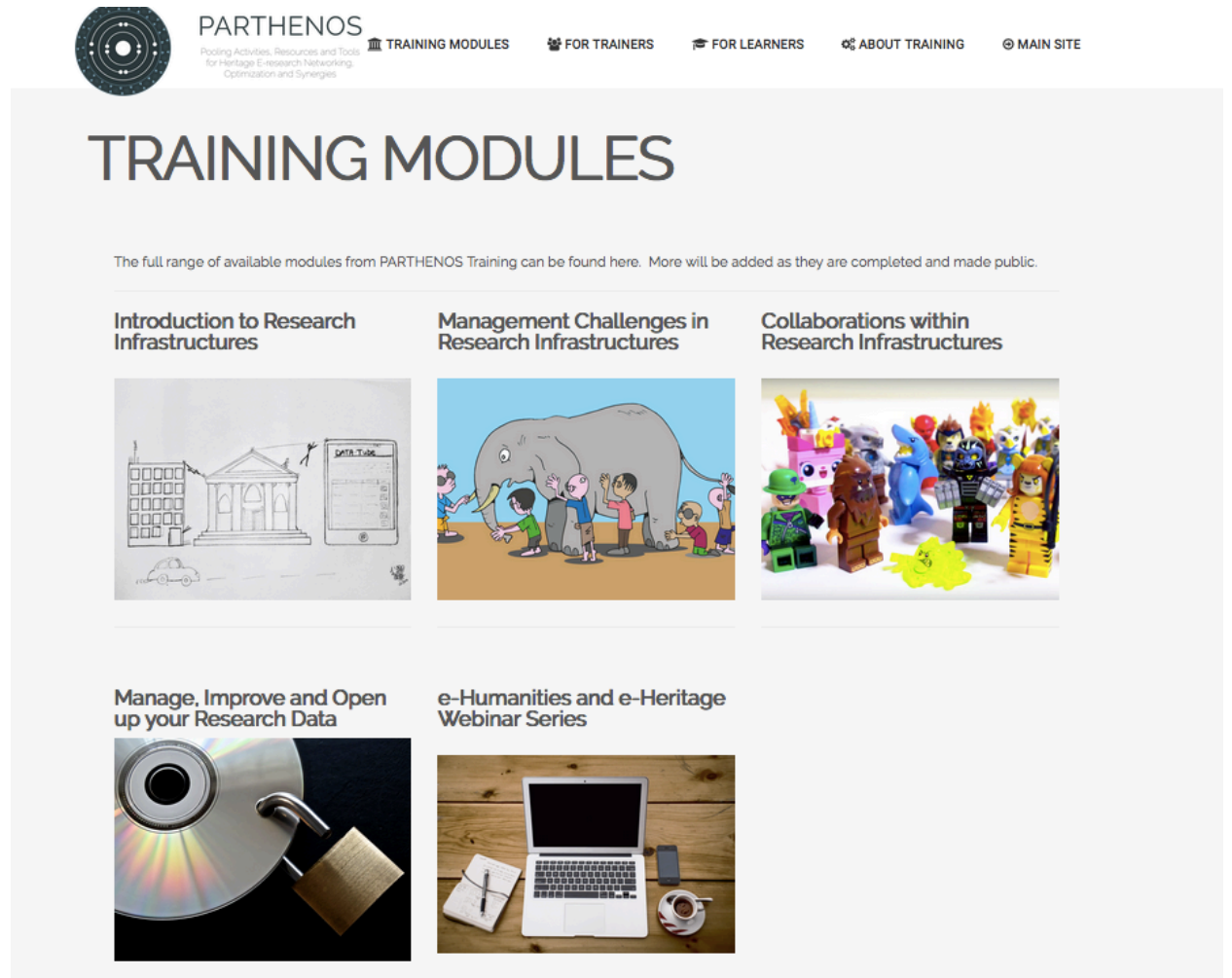


**The PARTHENOS  
Training Suite**

# PARTHENOS Training Suite

Focus on skills and approaches needed to understand:

- What are Research Infrastructures (RIs) in general?
- What benefits can Research Infrastructures create for the respective target groups?
- What kind of knowledge is needed to successfully work with Research Infrastructures?



The screenshot displays the PARTHENOS Training Suite website. At the top, the PARTHENOS logo is followed by the tagline "Pooling Activities, Resources and Tools for Heritage E-research Networking, Optimization and Synergies". Navigation links include "TRAINING MODULES", "FOR TRAINERS", "FOR LEARNERS", "ABOUT TRAINING", and "MAIN SITE". The main heading is "TRAINING MODULES". Below this, a text block states: "The full range of available modules from PARTHENOS Training can be found here. More will be added as they are completed and made public." Five training modules are listed in a grid:

- Introduction to Research Infrastructures**: Accompanied by an illustration of a classical building, a modern building, a car, and a tablet labeled "Data Table".
- Management Challenges in Research Infrastructures**: Accompanied by a cartoon illustration of children interacting with an elephant.
- Collaborations within Research Infrastructures**: Accompanied by a photograph of various colorful LEGO minifigures.
- Manage, Improve and Open up your Research Data**: Accompanied by a photograph of a CD/DVD disc with a padlock resting on it.
- e-Humanities and e-Heritage Webinar Series**: Accompanied by a photograph of a laptop, a smartphone, a notebook, and a cup of coffee on a wooden desk.

## PARTHENOS Training Suite: Modules

- **Introduction to RIs** (aimed at those who are ‘dipping their toes’ into RIs)
- **Management Challenges in RIs** (aimed at those who are planning to begin an RI project, or are currently engaged in one, esp. cultural heritage institutions perspective)
- **Collaborations within RIs** (aimed at those who manage an RI and are seeking to expand or develop it further)
- **Open Up your Research and Data** (aimed at intermediate level, esp researchers)



Manage, Improve and Open up your Research Data





# PARTHENOS Training Suite



PARTHENOS

Pooling Activities, Resources and Tools  
for Heritage E-research Networking,  
Optimization and Synergies



- **Structured thematic modules** contain: materials such as website texts, training slides, video lectures, short movies, further reading, illustrations/cartoons, one suggested course outline, brochures and printed materials, e-mail contact for feedback
- to be used as **Trainers material** and for **Self-Study**
- <http://training.parthenos-project.eu>

## INTRODUCTION TO RESEARCH INFRASTRUCTURES

In this section...

- PARTHENOS training
  - Introduction to Research Infrastructures
    - What IS Infrastructure?
    - Interoperability
    - Sustainability
    - Methods

By the end of this module, you should be able to...

- Understand the elements of common definitions of research infrastructures
- Be able to discuss the importance of issues such as sustainability and interoperability
- Understand how research infrastructure supports methods and communities
- Be aware of some common critiques of digital research infrastructures in the Humanities.

Each section of this module deals with a different element of the key





# PARTHENOS Training Suite



Summer School – ESU  
Leipzig, 2016

**PARTHENOS**  
Pooling Activities, Resources and Tools  
for Heritage E-research Networking,  
Optimization and Synergies

**Why Invest in Humanities  
Research Infrastructure?**

Research infrastructures provide shared access to the resources, expertise and facilities needed to advance knowledge. Not every institution or indeed every country, can justify investing in the specialised knowledge, data, labs and equipment certain disciplines and communities require. By sharing these resources among many partners, a research infrastructure can facilitate access for many researchers.

1 brochure

**PARTHENOS** TRAINING MODULES FOR TRAINERS FOR LEARNERS ABOUT TRAINING MAIN SITE

**PARTHENOS TRAINING**

Welcome!

This site provides training modules and resources in digital humanities and research infrastructures from PARTHENOS and associated projects. This site can be used by both learners and trainers alike. Please click on the images below to get started.

Training modules For Trainers For Learners About PARTHENOS Training

We are keen to get your feedback you can contact us by email, or fill in our feedback form here.

## PARTHENOS Training Suite Website

**PARTHENOS** TRAINING MODULES FOR TRAINERS FOR LEARNERS ABOUT TRAINING MAIN SITE

**MANAGEMENT CHALLENGES IN RESEARCH INFRASTRUCTURES**

In this section:

- PARTHENOS training
  - Introduction to Research Infrastructures
  - Management Challenges in Research Infrastructures
    - Sustainability for Research Infrastructures
    - User Engagement
    - Macro-level issues Facing the Research Infrastructure
    - Audiences and Communication
  - Introduction to Collaboration in Research Infrastructures
  - Standards in Research Infrastructures

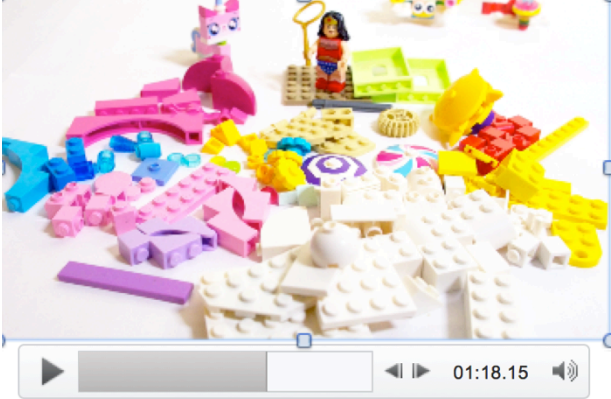
Many people who work within research infrastructures have formal qualifications in business administration or project management. And many of these individuals would agree with the statement that working in an RI is just different from the world presented in their coursework.

**Why would this be?**

For one thing, the RI embodies quite a few contradictions: they are often both small (in terms of core team) and big (in terms of the wider contributor base). They may have a highly skilled and motivated workforce, largely consisting of people trained to do something quite different. Most importantly they almost certainly have a very broad user base, within which a number of different primary needs may be prominent, leading them to perceive the RI as one of a number of very different things: a source for data, the centre for key networks, a reference point and knowledge base, a technical model and maintainer of a toolkit, etc. In other words, an infrastructure is like an elephant, which may seem to the uninitiated user (that is, the blind man of the proverb) to be something different entirely depending on the angle from which that user approaches.



11 Video Lectures



3 'Lego Movies'



**The PARTHENOS  
eHumanities and eHeritage  
Webinar Series**

# The PARTHENOS eHumanities and eHeritage Webinar Series

- based on feedback (more F2F)
- provide a lens through which a more nuanced understanding of the role of Digital Humanities and Cultural Heritage research infrastructures in research can be gained
- Digital Humanities and Cultural Heritage practitioners and others (beginners level)
- success: each webinar 50 registrations and more, 20-50 participants each from all over the world (Germany, Netherlands, East and Middle Europe, North America, Africa, Australia)
- materials available on PARTHENOS Training Suite (Wrap Ups with slides, recordings, etc.)



## The PARTHENOS eHumanities and eHeritage Webinar Series

- **“eHumanities and eHeritage Research Infrastructures: Beyond Tools”**  
Steven Krauwer (CLARIN) and Dr. Stefan Schmunck (State and University Library Göttingen)
- **“Boost your eHumanities and eHeritage research with Research Infrastructures”**  
Prof. Dr. Darja Fiser (University of Ljubljana) and Dr. Ulrike Wuttke (FH Potsdam)
- **“How to work together successfully with eHumanities and eHeritage research infrastructures: The Devil is in the Details”**  
Marie Puren (Inria) and Klaus Illmayer (OEAW)
- **“Make it Happen – Carrying out Research and Analysing Data”**  
George Bruseker (FORTH), Carlo Meghini (CNR)
- **“Create Impact with your eHumanities and eHeritage Research”**  
Dr. Juliane Stiller (Humboldt-University Berlin) and Klaus Thoden, M.A. (Max Planck Institute for the History of Science, Berlin).



**FDM relevante Themen  
PARTHENOS Training**



# Forschungsdatenmanagement

## Module (“Phase 1”): Introduction to Research Infrastructures

- beginners’ level
- main purpose: essential concepts underpinning a Research Infrastructure

RDM topics:

**Interoperability** [What is Data?](#), [What is Metadata?](#), [What are Standards?](#)

[What Are Knowledge Representation Systems and 'Ontologies'?](#)

**Sustainability** [Data lifecycle and curation](#), [Persistent Identifiers](#),

[Intellectual Property Rights and Licensing](#)

**Methods and tools**

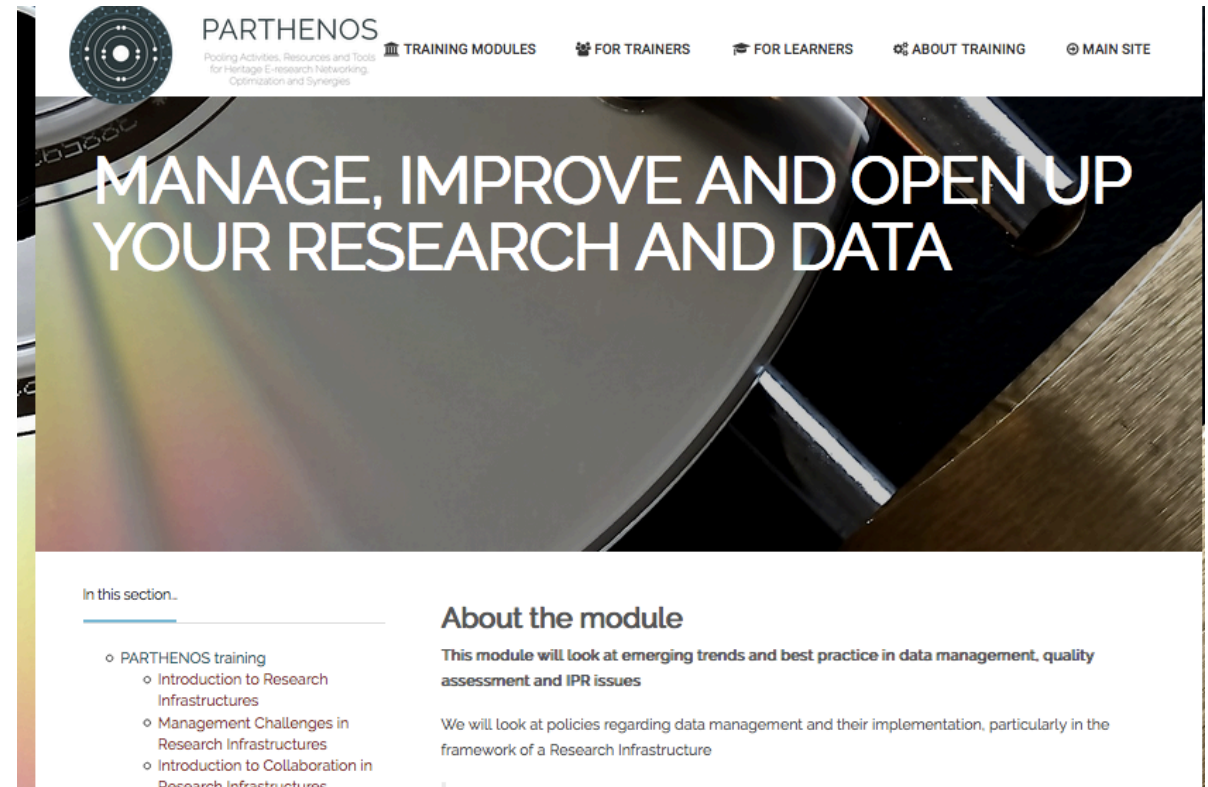


# Forschungsdatenmanagement

## Module (“Phase 2”): Manage, Improve and Open Up Your Research Data

- Intermediate level
- emerging trends and best practice in data management, quality assessment, IPR

e.g. FAIR Principles, Data Management Plan, Open Data, Open Access, Open Science ...



The screenshot shows the PARthenos website interface. At the top, there is a navigation bar with the PARthenos logo and the text 'PARthenos Pooling Activities, Resources and Tools for Heritage E-research Networking Optimization and Synergies'. The navigation menu includes 'TRAINING MODULES', 'FOR TRAINERS', 'FOR LEARNERS', 'ABOUT TRAINING', and 'MAIN SITE'. The main content area features a large header image with the text 'MANAGE, IMPROVE AND OPEN UP YOUR RESEARCH AND DATA'. Below this, there is a section titled 'In this section...' with a list of topics: 'PARthenos training', 'Introduction to Research Infrastructures', 'Management Challenges in Research Infrastructures', and 'Introduction to Collaboration in Research Infrastructures'. To the right, there is a section titled 'About the module' with a description: 'This module will look at emerging trends and best practice in data management, quality assessment and IPR issues' and 'We will look at policies regarding data management and their implementation, particularly in the framework of a Research Infrastructure'.



# Forschungsdatenmanagement

## Webinar: “How to work together successfully with eHumanities and eHeritage research infrastructures: The Devil is in the Details”

Marie Puren (Inria) and Klaus Illmayer (OEAW)

- Research lifecycle “Plan Research Project”
- FAIR Principles
- Standards



The poster is light blue with a white border. In the top left corner is the PARTHENOS logo, a circular emblem with a grid pattern, and the text 'PARTHENOS' above 'Promoting Activities, Resources and Tools for Heritage & Research Networking, Optimisation and Synergies'. In the top right corner, it says 'A Webinar of the PARTHENOS eHumanities and eHeritage Series' and '#lovedata2018'. The main title is written in a large, black, hand-drawn font. To the right of the title is a cartoon orange alien with three eyes and a single antenna. In the bottom left corner is a cartoon blue alien with two eyes and a single antenna, next to a yellow lightbulb icon. At the bottom right, it says '(Klaus Illmayer and Marie Puren)' and 'Pictures Mork and Tork Cartoon CC-BY Agathe Gastaldi'.

PARTHENOS  
Promoting Activities, Resources and Tools  
for Heritage & Research Networking,  
Optimisation and Synergies

A Webinar of the PARTHENOS  
eHumanities and eHeritage Series  
#lovedata2018

How to work successfully with  
eHumanities and eHeritage  
Research Infrastructures:  
The Devil is in the Details!

(Klaus Illmayer and Marie Puren)

Pictures Mork and Tork Cartoon CC-BY Agathe Gastaldi

# Forschungsdatenmanagement

## Standardization Survival Kit

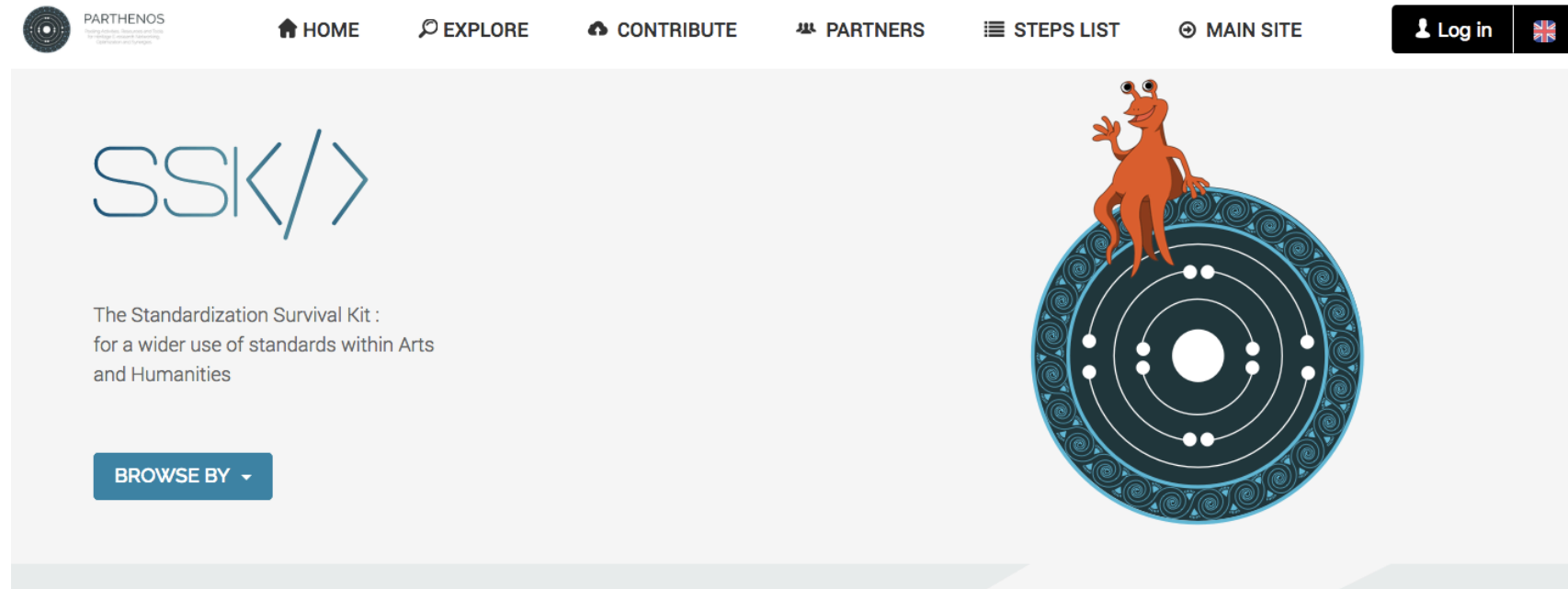
- Overlay platform dedicated to promoting a wider use of standards within the Arts and Humanities

- Documenting existing standards by providing reference materials

- Fostering the adoption of standards

- Communicating with research communities

- Link Beta: <https://ssk-application.parthenos.d4science.org/ssk/#/>





**Ausblick**

# Implementation: “Phase 2” Focus Areas

## 1) Increase WP representation in PARTHENOS Training

- more content on PARTHENOS Training Suite from the PARTHENOS WPs (e.g. FAIR principles, standards, impact, develop research questions)

## 2) Increase cluster partner representation in PARTHENOS Training

- CLARIN, E-RIHS, IPERION, etc., e.g. short videos

## 3) F2F events to validate training against user groups

- in cooperation with partners e.g. ESU, LIBER
- PARTHENOS eHumanities and eHeritage Webinar Series

## 4) Improve the current Training Suite and Materials

- multilingualism, structure etc.

## 5) Promote uptake of PARTHENOS Training

- in cooperation with PARTHENOS WP 8 for outreach



## “Phase 2”: Plans RDM

T7.2:

- new online modules (Introduction to ontologies)
- F2F: PARTHENOS Workshop at ESU 2018
- develop materials related to Standardization Survival Kit

T7.4: Work to integrate knowledge and materials with formal university curricula and scholarly mobility

- Kings College London to integrate RDM materials into Master’s Programme

# LEGO Movie “Research Infrastructures”: What is a research infrastructure

PARTHENOS Lehrvideos, Webinare und vieles mehr finden Sie auf dem PARTHENOS Youtube Channel:

[https://www.youtube.com/channel/UCnKJnFo\\_IFfoAI3VH51t1hw](https://www.youtube.com/channel/UCnKJnFo_IFfoAI3VH51t1hw)

# Contact

[www.parthenos-project.eu](http://www.parthenos-project.eu)

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