The PERICLES Modular Training Package contains nine modules. They all follow a similar structure as exemplified by the module Dynamics of Knowledge Organisation.

Dynamics of Knowledge Organisation

This module studies the involvement and application of semantics in Digital Preservation and focuses on two different but potentially interrelated approaches: (a) vectors, matrices, and vector fields; (b) graph-based structures and ontologies.

Expected learning outcomes

Get a first glance at cutting-edge methods and technologies (semantic technologies, vector fields, ontologies).
Relate theories of word meaning to vector-based information representation.
Learn about the foundations of the Semantic Web initiative and its core concepts and technologies.
Explore the relevance of semantic technologies to vastly interdisciplinary fields, like Digital Preservation.
Get a better view of the emerging paradigm of knowledge representation through ontologies.
Discuss how ontology evolution (i.e. the change of ontologies over time) can serve as a means for studying semantic drift.

Module parts

1. Semantics and DP: basic concepts, theories and trends
2. Vectors and matrices: word meaning for advanced access
3. Vector fields: a new approach to evolving semantics
4. The Semantic Web & the Emergence of Ontologies
5. Semantic Technologies & DP
6. Evolving Semantics: Ontology Evolution & Semantic Drifts

Target audiences

Digital Preservation and Digital Humanities practitioners who are interested in investigating the deployment of semantics and relevant cutting-edge technologies.

Researchers working on semantics who are interested in investigating the application of relevant methods and technologies in a Humanities field.

Screenshot of the first element (a recorded lecture) in the second part of this module (Vectors and matrices: word meaning for advanced access). http://pericles-project.eu/training-module/dynamics-of-knowledge-organisation/vectors-matrices/recorded-lecture/

Sheer Curation

This module explores sheer curation as a means and strategy of integrating curation activities into environments in which digital objects are created and altered without affecting the workflow, data privacy, or performance of the environment.

New Perspectives on Appraisal

This module centres on a support functionality for appraisal processes developed in the PERICLES project. In the context of PERICLES, the focus is on ways of automating or guiding the appraisal process, taking into account changes in the demands for content, e.g. due to evolving community requirements or changes in the user community.

Recent Developments in the Conservation of Digital Art

This module presents research into tools to support the identification and preservation of significant properties in both digital video and software-based art in the context of the conservation of time-based media artworks.

Policies & Policy Creation and Management using the Policy Editor

This module introduces the work undertaken in PERICLES with regards to institutional or workflow policies relating to the long-term care and management of digital material. The module aims to show how policy creation and management can be facilitated by using the PERICLES Policy Editor tool.

Ecosystem Model

This module explains the notion of digital ecosystems and the approach taken by PERICLES to model them and use them to support change management. The EcoBuilder tool is a core part of the module.

Contextualised Semantics

This module explores the ways in which technologies can be incorporated into the process of content annotation for Digital Preservation and beyond. The focus is on two automated tools drawing on computer science research related to (a) the generation of ontologies ('PROPheT' - PERICLES Ontology Population Tool) and (b) the annotation of images ('PeriCoDe').

Earth and Space Data for the Future

This module describes the lifecycle of space data from initial experiment design to long-term preservation and reuse. It emphasises the need for a data management plan as required by NASA and other agencies covering the full data lifecycle.

Modelling & Planning Repository Systems

This module introduces the OAIS reference model and how key ideas from PERICLES, such as model-driven preservation, preservation as part of a digital ecosystem, and a DevOps approach to system deployment, can be used to adapt and extend OAIS to better support the dynamic approaches demanded by sheer curation.

Pericles
FP7 digital preservation

Modular Training Package

http://pericles-project.eu/training-module/

Introduction to PERICLES and the PERICLES Modular Training Package

Promoting and Enhancing Reuse of Information throughout the Content Lifecycle taking account of Evolving Semantics (PERICLES) is a project funded by the European Union aimed to address the challenge of ensuring that digital content remains accessible in an environment that is subject to continual change.

Some of the insights gained through PERICLES are packaged in the PERICLES Modular Training Package (PMTP). The PMTP is an online, open access, content-rich, self-explanatory, and dynamic training material collection. It is intended to enable a broad range of users to independently learn about the topic areas and research results of PERICLES and encourage the use of the methods and tools developed by the project. It can also be used as a complementary resource for educators and different educational programmes in which subject areas of PERICLES are of relevance.

http://pericles-project.eu/training-module/

Structure of the PERICLES Modular Training Package

The PMTP includes a number of modules related to different aspects of the project. Each module is subdivided into a number of parts and each part includes a number of elements (i.e. content such as recorded lectures, instructions, study questions, reading material, etc).

The modules can be studied individually or together with other modules in the package. When a progression scheme from one module or part to the next is present, this is clearly indicated. As part of this training package, references to other related resources sourced from within the PERICLES project or externally (e.g. complementary, prerequisite, related, alternative views, etc.) have been identified and included. Clear introductory texts to each of the levels (module, part, element) guide the audience as to the prerequisite knowledge required to fully engage with that particular subsection, the time required for completion, expected learning outcomes, and more. The target audiences for the various modules include students, researchers, instructors, digital content producers, and professionals.

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Georg-August-Universität Göttingen (Germany)

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Space Applications Services NV (Belgium)

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