



## E-D2

### Co-operation with VISWE

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#### Abstract

*This deliverable contains a letter of intent in which the Networks of Excellence REWERSE and KnowledgeWeb agree to run a common repository for learning units about Semantic Web topics and topics about reasoning in the Semantic Web, to share and exchange the learning units mutually, and to support the Virtual Institute of Semantic Web Education (VISWE) in managing and running the repository.*

#### Keyword List

Semantic Web education, Learning units, Learning unit repository, cooperation with KnowledgeWeb

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# Co-operation with VISWE

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24. January 2005

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## Abstract

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# 1. Introduction.

Both Networks of Excellence, REWERSE and KnowledgeWeb, require common activities in the educational area in order to spread knowledge about

- Semantic Web topics (KnowledgeWeb)
- Topics around reasoning languages in the Semantic Web (REWERSE)

to interested people, e.g. from academia (MSc students, PhD students, researchers) but also from industry. This knowledge will be contained in so-called learning units as, for example, derived from the existing university courses on the Semantic Web, which have been collected in the deliverable E-D1. With regards to the content of these learning units, both networks deal with aspects around the Semantic Web: KnowledgeWeb covers all Semantic Web related topics while REWERSE is focused on reasoning in the Semantic Web. Therefore, a close cooperation between both networks is reasonable, in order to achieve synergy effects and to avoid the duplication of repositories and redundant collection/markup efforts.

A necessary component for spreading knowledge on the Internet is to provide the appropriate infrastructure where the learning units are stored. In the context of KnowledgeWeb, a learning unit repository has already been set up successfully and the first learning units are available, which deal with basics on the Semantic Web (RDF, Ontologies, OWL), advanced topics such as human language technology or tools and applications to be used in the Semantic Web. This learning unit repository is available at

<http://ubp.l3s.uni-hannover.de/ubp>

The intention of this deliverable is to *agree on a cooperation* between the Networks of Excellence REWERSE and KnowledgeWeb in three areas:

1. Using a common learning unit repository to avoid having a duplicate infrastructure
2. Sharing the collected learning units between both Networks of Excellence
3. Supporting the Virtual Institute for Semantic Web Education (VISWE) in managing and running the repository.

A single infrastructure to store the learning units creates a higher potential for attracting interested people to book and use the learning units. It also decreases the necessary efforts to set up and run the repository.

Sharing the collected units in both Networks of Excellence allows for the creation of higher quality curricula as there is a broader foundation of units available to create, for example, an MSc curriculum in the area of the Semantic Web.

Supporting VISWE in managing and running the repository ensures that the efforts from the educational area of both Networks of Excellence will endure even beyond the end of both projects.

Therefore, a close cooperation of the education areas of both Networks of Excellence enables significant synergies and a durable impact on spreading knowledge on the Semantic Web. An example for an already successfully established cooperation involving members of both Networks of Excellence is the new distributed European Master of Computational Logics, which is supported by Erasmus Mundus (cf. <http://www.cl.inf.tu-dresden.de/compulog/prospective/EurMaster.html>). Cooperation between VISWE and this MSc will further empower the two NoEs, by providing an additional audience with the necessary background for the educational material. Moreover, the MSc students are likely potential human resources for project development by the industrial partners.

## 2. Letter of intent

Between the  
Network of Excellence  
**REWERSE (Reasoning on the Web with Rules and Semantics)**

Represented by the network co-ordinator  
Prof. François Bry  
Institut für Informatik, Lehr- und Forschungseinheit für Programmier- und Modellierungssprachen  
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And the lead participant for the work package University Education and Training  
Prof. Jan Maluszyński  
Institutionen för Datavetenskap  
Linköpings Universitet  
S-58183 Linköping, Sweden

and the  
Network of Excellence  
**KnowledgeWeb: Realizing the Semantic Web**

Represented by the scientific director  
Prof. Dr. Guus Schreiber  
Free University Amsterdam, FEW,  
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1081 HV Amsterdam, The Netherlands

And the education area managers  
Prof. Dr. Wolfgang Nejdl  
L3S Research Center  
University of Hannover  
Deutscher Pavillon, Expo Plaza 1, D-30539 Hannover, Germany

and  
Prof. Dr. Enrico Motta  
Knowledge Media Institute  
The Open University  
Walton Hall, Milton Keynes, MK7 6AA , United Kingdom

The signing parties intend to jointly support spreading educational knowledge about the Semantic Web and its related topics.

Specifically, they agree to

1. Mutually share all learning units collected in both Networks of Excellence
2. Store the learning units in a single common learning unit repository
3. Support the Virtual Institute of Semantic Web Education (VISWE) in managing and running this repository.

For the REVERSE Network of Excellence:

München,

Linköping,

Prof. François Bry

Prof. Jan Maluszyński

For the KnowledgeWeb Network of Excellence:

Amsterdam,

Hannover,

Milton Keynes,

Prof. Guus Schreiber

Prof. Wolfgang Nejdl

Prof. Enrico Motta