

ANNEX I
DESCRIPTION OF WORK

Marie Curie Host Fellowships for the Transfer of Knowledge (ToK)
Development Host Scheme

“enIRaF”

PART A: CONTRACT DETAILS AND OBJECTIVES

1: Full Title

Enhanced Information Retrieval and Filtering for Analytical Systems

Short Title: ENIRAF

2: Proposal Number: FP6-509766

Contract Number: MTKD-CT-2004-509766

3: Duration of the project: 48 Months

4: Contractors and Place(s) of Implementing the Project

The Co-ordinator and other Contractors listed below shall be collectively responsible for execution of work defined in this Annex:

The Co-ordinator

1. The Poznań University of Economics [PUE] established in PL

The Co-ordinator

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|---|-------------------|
| 2. Forschungszentrum Informatik an der Universitaet Karlsruhe | established in DE |
| 3. Hogskolen i Stavanger | established in NO |
| 4. Institut fuer Informatik der Universitaet Innsbruck | established in AT |
| 5. Kuratorium OFFISS e.V. | established in DE |
| 6. Technische Universitaet Bergakademie Freiberg | established in DE |
| 7. The University of Sheffield | established in UK |
| 8. University of Twente | established in NL |

5: Project Overview

Today successful competing on the market requires better handling of external and internal information in companies and local governments. Their managers demand

tools that could gather, process and store information and knowledge. To meet these demands, management information systems (MIS) are developed.

The key competence of Department of Management Information Systems is information filtering for MIS. The information filtering system is an access service that stands between information source and information consumer, providing a personalised view of the information space.

Contemporary information retrieval and filtering (IRaF) systems lack the appropriate representation of user information needs and information itself. There are heterogeneous sources of information, and information usually is ambiguous. This situation motivates to undertake a project that would enhance the information retrieval and filtering (IRaF) key competencies of the Department.

The work will be carried out on the improvement of the IRaF system in order to better satisfy user needs. The innovative concept is to join the achievements in information filtering, knowledge representation and decision support systems. Semantic Web technologies and especially the use of ontologies, are expected to enable a much higher degree of automation and scalability in performing operations pertaining to the searching and extracting information.

In order to enhance the capabilities of IRaF, the training in the following areas is required: formal models of ontologies, software and tools for ontologies, Semantic Web and Web Services, human language technology, decision making.

The project is scheduled for 4 years and requires 48 person-months, equally divided by incoming and outgoing researchers. Scientific quality of the training is assured by a co-operation with leading research centres from Austria, Germany, The Netherlands, Norway, and UK.

The main goal of the knowledge transfer is to build new competencies of the Department in order to achieve a European level of research in information retrieval and filtering from the Internet. Within the interest of the project are the following multidisciplinary aspects: economics, management sciences, Information Technology and law.