D 2.6.5 Report on Research Exchange and Collaboration

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Abstract.
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This deliverable presents T-REX, the program in Knowledge Web (KWeb) to support "Topic-oriented Research EXchange", and gives an overview of the exchanges performed in 2005. The short-term goal of T-REX is to encourage, support and manage the exchange of researchers across KWeb members. The long-term goal of T-REX is to strengthen the European research area by establishing strong and lasting links across research organizations, e.g. visible by shared publications of KWeb members. In this deliverable we report on the exchanges that took place in 2004 – 2005.

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Executive Summary

This deliverable is part of the "WP 2.6 Weaving the European Semantic Web Research Network". It describes the program for exchange of researchers within Knowledge Web called "T-REX: <T>opic-oriented <R>esearcher <EX>change in Knowledge Web". The exchange program has been established during the first year of Knowledge Web and has been successfully continued in 2005.

The short-term goal of T-REX is to encourage, support and manage primarily the exchange of researchers across all Knowledge Web (KWeb) members, but also to encourage exchanges with external parties such as partners of other EU thematic networks of excellence and external industrial partners.

The long-term goal of T-REX is to strengthen the European research area by establishing strong and lasting links across research organizations, e.g. visible by shared publications of KWeb members.

Key numbers for T-REX:
The amount of exchanges per year remained stable in 2005, adding up to a total of **32 exchanges** in 2004 – 2005. The average duration per exchange increased from **~39 days** per exchange in 2004 to **~49 days** in 2005.

In the years 2004 and 2005, **21 partners** (18 KWeb partners and 3 external) participated in **1420 days of exchange** with an average duration of **~44 days per exchange**.

Plans for 2006: We will initiate the process of measuring the outcome of the T-REX program e.g. by counting shared publications and a more general evaluation via a questionnaire. It is foreseen to put a special emphasize on encouraging female network members to participate in T-REX as well as on encouraging partners which were not so active so far. In addition we will strengthen the collaboration with the industry area of KWeb to potentially increase the number of exchanges with industrial partners. More details and further plans are illustrated in the final section of this deliverable.

Contents

Overview

In Sections 1-2 we will briefly summarize the goal and major recommendations of the T-REX program. A detailed description of the T-REX Goals, Timeline, Actors, Duration, Topic, Final Report, Process, Example Calculation, Recommendations can be found in the KWeb Deliverable 2.6.2 (M12) which is available online in the Knowledge Web Portal. In Section 3 we give an overview about the exchanges which took place in 2004 – 2005. In Section 4 we highlight our plans for 2006.

1 Goals

The **short-term goal** of T-REX is to encourage, support and manage primarily the exchange of researchers across all Knowledge Web (KWeb) members, but also to encourage exchanges with external parties such as partners of other EU thematic networks of excellence and external industrial partners.

The **long-term goal** of T-REX is to strengthen the European research area by establishing strong and lasting links across research organizations, e.g. visible by shared publications of KWeb members.

2 Recommendations in a Nutshell

- Each KWeb member needs to spend at least **6.5 % of his total eligible costs for JPA** in KWeb for research exchange over the whole duration of KWeb.

- The sending organizations are responsible to cover these costs according to their own financial guidelines, potentially and most likely from their own KWeb budget.

- Members who are not able to send away people (e.g. due to organizational issues) should spend the same amount of money for attracting participants from other members. In this case not the sender, but rather the host is responsible to cover the costs.

- As default **2.5 KEUR per person and month of stay** are eligible costs for the sending organization which are granted without further permission. Higher costs need the approval of the KWeb EPMB *before* the beginning of the exchange.

- A **final report** needs to be provided by the participant no later than one month after the end of the exchange about the scientific achievements made during the exchange. All reports are collected within the KWeb portal.

- Exchanges with partners from other EU thematic networks of excellence and external industrial partners are encouraged. They might require different treatment and are expected to be handled on a case by case base. As key opportunity for exchanges with industrial partners sabbaticals of senior research staff have been

identified which can be supported by Knowledge Web by funding travel and accommodation expenses.

3   Exchanges in 2004 – 2005

We start by giving an overview on all exchanges of the T-REX program followed by a number of statistics[1] and a listing of exchanges per partner.

3.1   General Overview of Exchanges

We here present the status of announced T-REX exchanges on 15.12.2005, the most recent version can be found in the KWeb portal at http://knowledgeweb.semanticweb.org/ Exchanges in 2005 are marked grey, exchanges in 2004 white.

Person	From	To	Start date	End date
Max Völkel	University of Karlsruhe	National University of Ireland Galway	03.11.05	20.02.06
Stefano Spaccapietra	École Polythechnique Fédérale de Lausanne	Free University of Bozen-Bolzano	01.09.05	30.09.05
Mustafa Jarrar	Vrije Universiteit Brussel	Free University of Bozen-Bolzano	24.08.05	30.09.05
Elena Paslaru Bontas	Freie Universität Berlin	University of Karlsruhe	01.08.05	19.08.05
Jörg Diederich	L3S Research Center	The Open University	25.07.05	19.08.05
Jeff Pan	University of Manchester	Vrije Universiteit Amsterdam	04.07.05	16.07.05
Jos de Bruijn	University of Innsbruck	Free University of Bozen-Bolzano	28.06.05	08.07.05
Jeff Pan	University of Manchester	Centre for Research and Technology Hellas	22.05.05	30.05.05
Lyndon JB Nixon	Freie Universität Berlin	Centre for Research and Technology Hellas	09.05.05	27.05.05
Marc Ehrig	University of Karlsruhe	Institut National de Recherche en Informatique et en Automatique	25.04.05	27.05.05
Jeff Pan	University of Manchester	Free University of Bozen-Bolzano	17.04.05	30.04.05
Knud Möller	National University of Ireland Galway	University of Sheffield	04.04.05	29.04.05
Raúl Palma	Universidad Politécnica de Madrid	University of Karlsruhe	14.03.05	14.04.06
Wolf Siberski	L3S Research Center	Vrije Universiteit Amsterdam	16.02.05	11.03.05

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[1] **Please note:** To make calculations slightly easier, exchanges are counted for the year in which the exchange started. I.e., if an exchange starts in 2004 and ends in 2005 the time is counted for 'exchanges in 2004'. It has to be noted that there are only few exchanges where this simplification applies.

Jeff Pan	University of Manchester	Free University of Bozen-Bolzano	31.01.05	13.02.05
Heiner Stuckenschmidt	University of Mannheim	L3S Research Center	17.01.05	11.02.05
Christoph Tempich	University of Karlsruhe	INESC-ID Lisabon	22.11.04	11.02.05
Wolf Winkler	National University of Ireland Galway	University of Karlsruhe	01.11.04	31.12.04
Pavel Shvaiko	University of Trento	Institut National de Recherche en Informatique et en Automatique	06.10.04	03.11.04
Marta Sabou	Vrije Universiteit Amsterdam	University of Manchester	04.10.04	06.10.04
Klaus Schild	Freie Universität Berlin	National University of Ireland Galway	27.09.04	01.10.04
Davide Guidi	University of Bologna	Open University	27.09.04	27.01.05
Rafael González-Cabero	Universidad Politécnica de Madrid	University of Southampton	24.09.04	15.10.04
Marta Sabou	Vrije Universiteit Amsterdam	University of Sheffield	13.09.04	15.10.04
Holger Wache	Vrije Universiteit Amsterdam	University of Trento	30.08.04	10.09.04
Wolf Siberski	L3S Research Center	École Polythechnique Fédérale de Lausanne	23.08.04	03.09.04
Rubén Lara Hernández	University of Innsbruck	National University of Ireland Galway	22.07.04	30.09.04
Axel Polleres	University of Innsbruck	National University of Ireland Galway	20.07.04	11.09.04
Wolfgang Nejdl	L3S Research Center	École Polythechnique Fédérale de Lausanne	12.07.04	13.08.04
Angel López-Cima	Universidad Politécnica de Madrid	The Open University	04.06.04	09.07.04
Mª del Carmen Suárez-Figueroa	Universidad Politécnica de Madrid	University of Liverpool	25.02.04	16.04.04
Ilya Zaihrayeu	University of Trento	University of Innsbruck	16.01.04	30.01.04

3.2 Basic Statistics

The following calculations are based on the exchanges listed in the KWeb portal on 15th December 2005:

- Grand total days of exchanges: **1420**
- Total days of exchanges in 2004: **627**
- Total days of exchanges in 2005: **793** (26% increase compared to 2004)

- Grand total number of exchanges: **32**
- Number of exchanges in 2004: **16**
- Number of exchanges in 2005: **16**

- Overall average time per exchange: ~**44 days**

T-REX: Topic-oriented Researcher Exchange in Knowledge Web (Y. Sure)

- Average time per exchange in 2004: ~**39 days**
- Average time per exchange in 2005: ~**49 days**
- Total number of partners involved: **21** (18 KWeb partners and 3 external)

3.3 Exchanges per Partners

The following table presents an overview of exchanges per partner. External partners, i.e. partners outside of the KWeb consortium, are marked with grey. The table is sorted by (i) the total numbers and (ii) the first letters of the organization names.

Total	From	To	Name
6	2	4	National University of Ireland Galway
6	3	3	University of Karlsruhe
5		5	Free University of Bozen-Bolzano
5	4	1	L3S Research Center
5	4	1	University of Manchester
5	3	2	Vrije Universiteit Amsterdam
4	4		Universidad Politécnica de Madrid
4	3	1	University of Innsbruck
3	1	2	École Polythechnique Fédérale de Lausanne
3	3		Freie Universität Berlin
3		3	The Open University
3	2	1	University of Trento
2		2	Centre for Research and Technology Hellas
2		2	Institut National de Recherche en Informatique et en Automatique
2		2	University of Sheffield
1		1	INESC-ID Lisabon
1	1		University of Bologna
1		1	University of Liverpool
1	1		University of Mannheim
1		1	University of Southampton
1	1		Vrije Universiteit Brussel

4 Summary and Plans for 2006

The total amount of exchanges per year remained stable. The average duration per exchange increased from ~39 days per exchange in 2004 to ~49 days in 2005.

In the years 2004 and 2005, **21 partners** (18 KWeb partners and 3 external) participated in **1420 days of exchange** with an average duration of **~44 days per exchange**.

The T-REX program will be continued in 2006 and it is expected that the numbers of exchanges will at least remain constant or even increase for this period of time. As concrete actions the following items are planned:

- We will initiate the process of measuring the outcome of the T-REX program e.g. by counting shared publications and a more general evaluation via a questionnaire.

- It is foreseen to put a special emphasize on encouraging female network members to participate in T-REX as well as on encouraging partners which were not so active so far (see Table 3.3).

- In addition we will strengthen the collaboration with the industry area of KWeb to potentially increase the number of exchanges with industrial partners. As largest opportunity for exchanges with industry sabbaticals of senior research members have been identified.

- Recent discussions with partners revealed the need for support for n-ary exchanges with relatively short durations, i.e. exchanges where more than two partners are involved e.g. for working on a specific publication resulting out of work performed in Knowledge Web work packages. It is planned to shape out the details and work together with the portal provider to include reporting facilities in the Knowledge Web portal for such exchanges.