PANACEA
Project ID: 248064
Funded under: FP7-ICT

Platform for Automatic, Normalized Annotation and Cost-Effective Acquisition of Language Resources for Human Language Technologies

From 2010-01-01 to 2012-12-31, closed project | PANACEA Website

Project details

| Total cost: | Topic(s): |
| EUR 3 399 262 | ICT-2009.2.2 - Language-based interaction |

| EU contribution: | Funding scheme: |
| EUR 2 685 000 | CP - Collaborative project (generic) |

| Coordinated in: |
| Spain |

Objective

A strategic challenge for Europe in today’s globalised economy is to overcome language barriers through technological means. In particular, Machine Translation systems are expected to have a significant impact in the managing of multilingualism in Europe. PANACEA is facing the most critical aspect for Machine Translation to produce this expected impact in Europe: the called resources bottleneck. MT technologies are in themselves language independent, but they are inherently tied to the availability of language dependent resources. PANACEA will be an integrated machinery for the production of Language Resources (LR) designed in line with new paradigms of software development that rely on a future internet made as a global and open service delivery platform. PANACEA is designed as a dedicated workflow manager for the composition of an open number of systems based on combinations of different webservices. While webservices considered by the project will be limited in number, the proposed way of assembling them in workflow chains using metadata and standards will make of PANACEA an open and interoperable platform also capable of integrating new components as needed for the production of new LR. PANACEA is to shape a LR factory that step by step covers the automation of all the stages involved in the acquisition, production, updating and maintenance of LR required by MT systems and in the time required. Automation will significantly cut down the economic and temporal costs of the supply of LR. This reduction of costs and time are the only way to guarantee the massive supply of LR that Machine Translation and other Language Technologies will be demanding in the multilingual Europe. Evaluation in an industrial scenario will be the proof of concept of the benefits offered by PANACEA and its potential impact.

Related information

Documents and Publications

D.6.5
D.5.2
D.5.6
D.5.5
D.5.4
D.2.4 Annex 2
D.8.2
Report on the revised Corpus Acquisition and Annotation subsystem and its components

Appendix

D.2.6.2

D.3.2 version 1

User's workshop: Technology, transfert, papers produced and dissemination materials

D.2.6.1

D.2.4 Annex -1

D.8.1

Second version (v2) of the integrated platform\nand documentation

esr

D.5.7

Panacea Annual Report 2010

Second evlauation report. Evaluation of PANACEA v2 and produced resources

Panacea Annual Report 2011

D.2.6.1

D.6.1

D.3.3.4

English-French and English-Greek parallel corpus for the Environment and Labour Legislation domains

D.4.1

D.6.2.2

PANACEA D3.3 Software

D.4.3

D.7.1

D.6.3

D.4.2
Coordinator

UNIVERSIDAD POMPEU FABRA
PLACA DE LA MERCE, 10-12
08002 BARCELONA
Spain
See on map

**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Núria Bel Rafecas
Tel.: +34 93 542 23 07
Fax: +34 93 542 23 21
Contact the organisation

Participants

LINGUATEC GMBH
GOTTFRIED-KELLER-STRASSE 12
D-81245 MUENCHEN
Germany
See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**Administrative contact:** Reinhard Busch
Tel.: +49 89 896664 0
Fax: +498988919933
Contact the organisation

EVALUATIONS AND LANGUAGE RESOURCES DISTRIBUTION AGENCY
9 RUE DES CORDELIERES
75013 PARIS
France
See on map

**Activity type:** Private for-profit entities (excluding Higher or Secondary Education Establishments)

**Administrative contact:** Khalid Choukri
Tel.: +33-1-43133333
Fax: +33-1-43133330
Contact the organisation
ATHINA-EREVNITIKO KENTRO KAINOTOMIAS STIS TECHNOLOGIES TIS PLIROFORIAS, TON
EPIKOINONION KAI TIS GNOSIS
ARTEMIDOS 6 KAI EPIDAVROU
151 25 MAROUSSI
Greece
See on map
**Activity type:** Research Organisations

**Administrative contact:** Basilios Mertzios
Tel.: +30-210-6875301
Fax: +30-210-6854270
Contact the organisation

DUBLIN CITY UNIVERSITY
Glasnevin
9 DUBLIN
Ireland
See on map
**Activity type:** Higher or Secondary Education Establishments

**Administrative contact:** Declan Raftery
Tel.: +353 1 700 5847
Fax: +353 1 700 5847
Contact the organisation

CONSIGLIO NAZIONALE DELLE RICERCHE
PIAZZALE ALDO MORO 7
00185 ROMA
Italy
See on map
**Activity type:** Research Organisations

**Administrative contact:** Claudia Marzi
Tel.: +39-050 3152838
Fax: +39-050 3152839
Contact the organisation
Activity type: Higher or Secondary Education Establishments

Administrative contact: Keith Cann
Tel.: +44 1223 333543
Fax: +44 1223 332988

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