

metalogue

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Project Factsheet

The METALOGUE Consortium

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1. Executive Summary

This deliverable provides brief data on the METALOGUE project suitable for entering into the project database of the European Commission. The information has been gathered on the basis of the Grant Agreement and Consortium Agreement of the METALOGUE Project.

2. Project Factsheet

2.1 Title:

Multiperspective Multimodal Dialogue: dialogue system with metacognitive abilities

2.2 Eligibility period:

From 2013-11-01 to 2016-10-31

2.3 Abstract

Natural dialogue systems have shaped a significant and fast-growing market segment, for instance in the automotive industry, public services, etc. At the same time, the state-of-the-art dialogue systems do not fully satisfy the requirements of natural and rich communication with humans.

The goal of METALOGUE is to produce a multimodal dialogue system that is able to implement interactive behaviour that seems natural to users and is flexible enough to exploit the full potential of multimodal interaction. It will be achieved through understanding, controlling and manipulating the system's own and the users' cognitive processes. The new dialogue manager will incorporate a cognitive model based on meta-cognitive skills that will enable planning and deployment of appropriate dialogue strategies. The system will be able to monitor both its own and the users' interactive performance, reason about the dialogue progress, guess the users' knowledge and intentions, and thereby adapt and regulate the dialogue behaviour over time. The meta-cognitive capabilities of the METALOGUE system will be based on a state-of-the-art approach incorporating multitasking and transfer of knowledge among its skills.

The METALOGUE research focuses on educational and coaching applications where negotiation skills play a key role in the decision-making processes. Components and algorithms will be developed, tested and integrated into a prototype platform, which will provide learners with a rich and interactive environment that will help them to develop meta-cognitive skills, support motivation, and stimulate creativity and responsibility in the decisionmaking and argumentation process. The METALOGUE system will produce virtual dialogue agents capable of engaging in natural interaction through combinations of English, German and Greek, using gestures, mimicry and body language, apart from speech.

The METALOGUE system will be deployed and tested in two use-case scenarios: in social educational contexts for training young entrepreneurs and active citizens in the framework of educational activities of the Hellenic Youth Parliament, and in a business education context for training call centre employees to successfully handle their customers. Therefore, METALOGUE will have a strong impact on both economic and social levels.

2.4 Project details

Project reference: 611073

Status: Execution

Total cost: EUR 3,749,000

EU contribution: EUR 2,971,000

Programme acronym: FP7-ICT
Subprogramme area: ICT-2013.4.1
Contract type: Collaborative project

2.5 Links

www.metalogue.eu

2.6 Logo

The logo for Metalogue, featuring the word "metalogue" in a lowercase, serif font. The "meta" part is in red and the "logue" part is in black.

2.7 Coordinator

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