



# **The 1st CUBIST Workshop**

**CUBIST-WS-11**

Frithjof Dau (Ed.)



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## Preface

This volume contains the papers accepted to the first CUBIST workshop. The workshop has been held in conjunction with the 19th International Conference on Conceptual Structures (ICCS 2011), which was held on 25 - 29 July 2011 at the, University of Derby, United Kingdom.

CUBIST (Combining and Uniting Business Intelligence with Semantic Technologies) is a research project funded by the European Commission under the 7th Framework Programme of ICT, topic 4.3: Intelligent Information Management, which has started in October 2010. CUBIST follows a best-of-breed approach that combines essential features of Semantic Technologies, Business Intelligence and Visual Analytics. CUBIST aims to

- persist the federated data in a semantic Data Warehouse; a hybrid approach based on a BI enabled triple store,
- and provide novel ways of applying visual analytics in which meaningful diagrammatic representations based on Formal Concept Analysis will be used for depicting the data, navigating through the data and for visually querying the data.

A project like CUBIST requires expertise from a variety of research fields, which can hardly be provided by only one research organization, thus it requires the collaboration of several partners. Moreover, in order to show the practical benefits of the findings in CUBIST, a prototype will be implemented, and the resulting technology stack will be demonstrated in three use cases from the fields of market intelligence, computational biology and control centre operations. Following this approach, the first CUBIST workshop aimed at providing a forum for both research and practice for CUBIST-related research topics and technologies in order to facilitate interdisciplinary discussions. Naturally, the majority of submissions originated from some partners in the CUBIST project, but I am glad to announce that we had submissions from outside the CUBIST consortium as well, which indicates that the project and the workshop are on the right track.

I want to express my appreciation to all authors of submitted papers on the one hand and to the program committee members for their work and valuable comments on the other hands.

Dresden, Germany, June 2011

Frithjof Dau

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## Table of Contents

SIMON ANDREWS AND KENNETH MCLEOD: GENE CO-EXPRESSION IN MOUSE EMBRYO TISSUES .....	1
FRITHJOF DAU AND BARIS SERTKAYA: AN EXTENSION OF TOSCANAJ FOR FCA-BASED DATA ANALYSIS OVER TRIPLE STORES .....	11
CASSIO MELO, BÉNÉDICTE LE-GRAND, ANASTASIA BEZERIANOS AND MARIE-AUDE AUFAURE: PARENT SELECTION CRITERION FOR EXTRACTING TREES FROM CONCEPT LATTICES .....	23
ALEXANDER MIKHAILIAN, SALIHA KLAI, CHRISTIAN MULLER, BERNARD FONTAINE, DIDIER MOREAU AND MARTIN URSIK: APPLYING CONCEPTUAL ANALYSIS TO SPACE DATA .....	33
CONSTANTINOS ORPHANIDES: EXPLORING THE APPLICABILITY OF FORMAL CONCEPT ANALYSIS ON MARKET INTELLIGENCE DATA .....	43
UTA PRISS: GENERIC TOOLS FOR DATA ANALYSIS AND VISUALISATION .....	53
MARTIN WATMOUGH: EVALUATION OF AN APPROACH FOR TEACHING FORMAL CONCEPT ANALYSIS .....	57

