Mining and Understanding of multilinguaL contenT for Intelligent Sentiment Enriched coNtext and Social Oriented inteRpretation

At A Glance: MULTISENSOR

Mining and Understanding of multilinguaL contenT for Intelligent Sentiment Enriched coNtext and Social Oriented inteRpretation

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Nowadays, data are multilingual, heterogeneous, distributed and may include complementary and contradictory information. In most of the cases journalists and media monitoring providers are unable of aggregating efficiently content from different media. The consumption of such information regardless of its reliability has important consequences on the society. For instance the exaggerated and contradictory information provided by different national mass media can cause instability in the economy, which makes national and international investments risky. To break this isolation, MULTISENSOR proposes the research and development of innovative technologies that provide unified access to multilingual and multicultural economic and news story material.

Objectives
MULTISENSOR addresses the following scientific objectives:
1) Mining and extraction of meaningful information from multimodal and multilingual data
2) User and context-centric analysis of user generated content in the web and especially in social media
3) Multidimensional content integration and retrieval
4) Semantic reasoning and decision support services applied on large amounts of information
5) Multilingual user-tailored summarisation

Use Cases
MULTISENSOR will validate the developed technologies through use cases that target journalistic, media monitoring and SME internationalisation needs.
1) Journalists need to master heterogeneous data streams and
2) Professional clients of media monitoring portals require direct access to targeted, business and consumer information → MULTISENSOR will support journalists and media monitoring companies in retrieving, integrating and summarising heterogeneous information
3) SMEs internationalisation Considered as solution out of the crisis. This requires finding out spending habits of consumers, economic fundamentals of countries, etc. → MULTISENSOR will allow SMEs to retrieve the user-tailored information and provide decision support services for internationalisation.

Impact
MULTISENSOR will achieve the following impacts:
1) improve European position in multilingual digital market through provision of better products & services to businesses & public sector
2) facilitate production of reliable information to support journalists, media monitoring companies and SMEs
3) Facilitate companies investments in unstable ground

Outcome
The outcome of the project includes:
1) the final MULTISENSOR platform
2) research modules and services (Machine translation, Sentiment extraction, Multimodal indexing, Decision Support) under commercial, open source and freeware licenses.