Priority Research Theme 2: Social Intelligence and e-Participation

Mapping large, heterogeneous, unstructured volumes of online content to structured, actionable representations

From shallow to deep, from coarse-grained to detailed processing techniques

Making language technologies interoperable with knowledge representation and the semantic web

"Semantification" of the web: tight integration with the Semantic Web and Linked Open Data

Services and Technologies:

- Intelligent analysis of web content, especially social media, comments, blogs, forums
- Detection and cross-lingual analysis of decision-relevant information
- Multilingual, problem-specific decision support
- Text analytics (named entity recognition, event recognition, relation extraction, sentiment analysis and opinion mining including the temporal dimension)
- Syntactic, semantic, rhetorical analysis and text structure identification
- Resolution of coreference or modality cues
- Extraction of semantic representations from arbitrary online content
- Clustering, categorising, summarising, visualising discussions and opinion statements

Applications:

- Technologies for decision support, collective deliberation and e-participation
- Public discussion platform for Europe-wide deliberation on pressing issues
- Visualisation of social intelligence data and processes; modeling evolution of opinions
- High performance web-scale content analysis technologies
- Events/trend detection and prediction

Make use of the wisdom of the crowds

Improved efficiency and quality of decision processes

Unleashing social intelligence by detecting and monitoring opinions, demands, needs and problems

Target groups: European citizen, European institutions, discussion participants, companies

Understanding influence diffusion across social media