Topic Mapping

Automated Portfolio Summary Visualisation

ORCA HUB
Offshore Robotics for Certification of Assets
Remote Safety and Integrity

Our Topic Mapping pipeline combines Topic Modelling technology – the automated and unsupervised extraction of topics from text corpora – with our layout mapping algorithm to create an at-a-glance visual summary of portfolios.
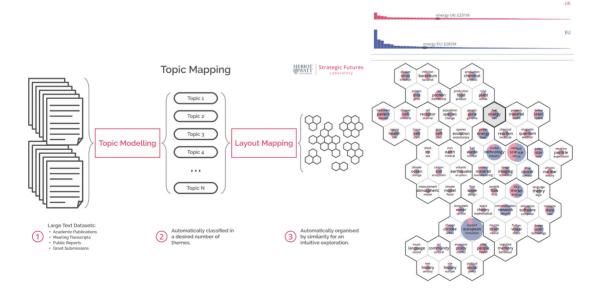
The web-based visualisation interface presents the topics organised by similarity, allowing for an easy, theme-based, exploration of large document collections.

Benefits

- Automates the classification of large document collections

- Creates a visual summary, allowing for a quick over view of broad datasets

- Provides an intuitive interactive visualisation for thematic exploration and analysis

- Allows for easy, cross-platform access and distribution through a web-based interface

Possible Applications

- Summarisation of large document collection, e.g. public reports:
  strategicfutures.org/demos/OGAExample

- Thematic exploration of corpora, e.g. meetings transcripts:
  strategicfutures.org/demos/AMICorpus

- Comparison of portfolios and expertise:
  strategicfutures.org/hexmaps/ukeutopics/2017-01/app

Topic Mapping

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Topic Modelling → Topic 1, Topic 2, Topic 3, Topic 4, ... Topic N → Layout Mapping

1. Large Text Datasets:
   - Academic Publications
   - Meeting Transcripts
   - Public Reports
   - Grant Submissions

2. Automatically classified in a desired number of themes.

3. Automatically organised by similarity for an intuitive exploration.

energy UK: £231M — UK
energy EU: £282M — EU

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