

# Temporal Information Access (Temporalialia)

## NTCIR-11 Pilot Task Proposal



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# Motivation



# Proposed subtasks in NTCIR-11

- Temporal Query Intent Classification
  - For a given query, participants classify it to (e.g.,) atemporal, recency, past, future, seasonal
- Document Focus Time Estimation
  - For a given document, participants estimate a primary time period of the content
- Temporal Information Retrieval
  - For a given topic, participants retrieve relevant documents for past, recent, seasonal, future, etc.

Extension to summarisation, visualisation, and other applications will be considered in NTCIR-12.

# Document Collection Candidates

- LivingKnowledge Corpus (150GB compressed)
  - April 2011 and March 2013
  - Annotated News Feeds
- ClueWeb Corpora
  - ClueWeb09 (5TB, Jan-Feb 2009)
  - ClueWeb12 (5.5 TB, Feb- May 2012)
- Temporal Annotation will be provided

# Information needs/Queries

- User studies
  - “Opening of new train line”, “Retreat of army from a frontline”, “Retreat of a company from a particular domain”, “Politician’s remarks on administrative plans”, “Call for public ideas or opinions”, “Sport events”, “find opinions made by a nation leader about the Syria conflict in 2014”, or “what will happen with the economic crisis in the next five years”.
- Search logs

# Performance Metrics

- Thematic relevance
- Temporal relevance
- Some function to integrate
  - GeoCLEF (Spatial relevance + Thematic relevance)
  - INEX (Structural relevance + Thematic relevance)

# References

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