



# Exploring Annotated Multimedia Repositories

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# What do we (cwi) have?

- Content
  - images, text, video
    - (growing) collection of Dutch cultural heritage artefacts
    - news stories, images and videos
- Annotations
  - tags, keywords, terms, concepts
- Semantics
  - KR languages: RDF(S), OWL
  - thesauri/ontologies: NewsCodes, Wordnet
  - linked data repositories: DBPedia, Geonames

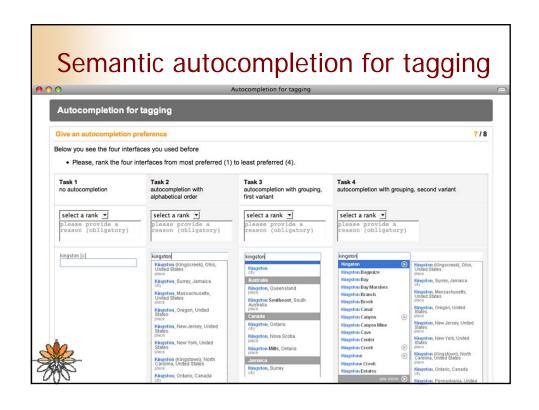
)

# What do users want to do with tagged media?

- Tag information
  - what do we want to tag?
  - how do we want to tag it?
- Search and browse collections
  - find specific items
  - understand collection as a whole
- Communicate information
  - human-human, web->human
- Communicate experiences
  - human-human

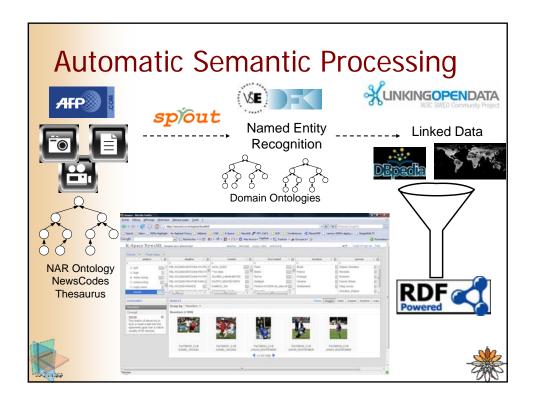
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# Semantic autocompletion for tagging Autocompletion for tagging Autocompletion with alphabetical order - Use the Wikipedia link to find the correct birth place. - Enter the location in the textfield and select the correct answer from the autocompletion suggestions. http://www.inipedia.org/wiki/Linford\_Christie occupation::Former althiete birth date::April 2, 1980 birth place::|penter location http://en.wikipedia.org/wiki/Prior Plassanali name::Noor Hassanali occupation::Former Second president of the Republic of Trinidad and Tobago birth date::Inip March 1987 birth place::|penter location http://en.wikipedia.org/wiki/Pielen Elizabeth Clark occupation::Prime Minister birth date::bom February 28, 1980 birth place::|penter location



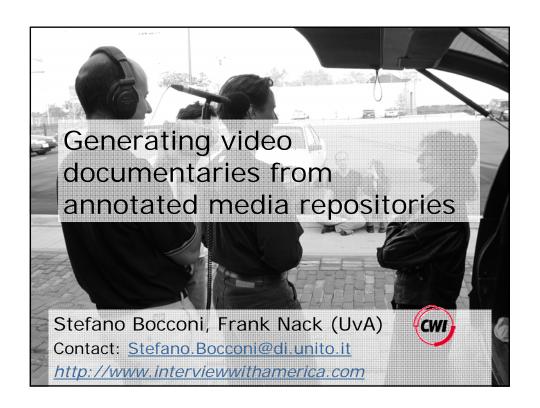






# Tagging media fragments (COMM) Reg1 The "Big Three" at the Yalta Conference (Wikipedia) • Localize a region (person) • Annotate the content (interpretation) Winston Churchill, UK Prime Minister, Allied Forces, WWII • Link to knowledge on the Web Reg1 foaf:depicts dbpedia:WinstonChurchill dbpedia:Churchill rdfs:label "Winston Churchill" dbpedia:Churchill rdfs:type foaf:Person

dbpedia:Churchill rdf:type wikipedia:UKPrimeMinister



# Example: What do you think of the war in Afghanistan?



"I am never a fan of military action, in the big picture I don't think it is ever a good thing, but I think there are circumstances in which I certainly can't think of a more effective way to counter this sort of thing..."



# The annotations

- Rhetorical
  - Rhetorical Statement (mostly verbal, but visual also possible)
  - Argumentation model: Toulmin model
- Descriptive
  - Question asked
  - Interviewee (social)
  - Filmic next slide

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# Filmic annotations

# Continuity, e.g.

- lighting conditions
- background sound
- gaze direction of speaker left, centre, right
- framing continuity close-up, medium shot, long shot
- camera movement none, pan left/right, shaking, tilt up/down, zoom in/out

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# Potential research within Petamedia

- Make tags more semantic (concepts)
- Learn associations between semantic tags and visual features
- Provide user interfaces for tagging, querying, browsing and presenting media
   should these be different?
- Learn from how users explore repositories
- Centralised -> distributed repositories

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