

# ImageCLEF breakout session

2.10.2009

<http://www.imageclef.org/survey/>

Please help us to prepare  
ImageCLEF2010

# Overview

- ImageCLEF management system
- General comments
- Comments per task
  - Photo retrieval
  - Photo annotation
  - Wiki retrieval
  - Robot vision
  - Medical annotation
  - Medical retrieval

# Management system

- Some comments were already added
  - Missing password function
  - Updates of own runs
- More comments
  - Pre-CLEF inscription in this system as well
  - Make list of own runs easier visible (also file names)

# Overall

- Web page was appreciated
- Central organization not possible without funding
  - Excuse for part of the organization “mess”
- Have even larger databases in the future
  - but keep scale as it is for 1 more year at least
- Have connections between tasks (e.g., concepts retrieval)
- Have fewer databases : could be helpful
- Make tools or preliminary data available -> definitely useful!!!
  - Make online baseline systems/components available
  - Keep track of who accesses the shared data
- Support for participation in more than one task
  - provide statistics over years for participation in several tasks
- Enable more discussions during the run of the tasks
- Make working notes papers available sooner

# Photo retrieval

- Change of measure was not optimal
  - Consult with participants over evaluation metrics used
- Query images should not be part of the collection
- Cluster/recall was sometimes criticized
  - Could there be a measure that takes into account that images are presented in columns not list
- Selection of clusters per topic
  - Based on search logs and probably favours text-based approaches
  - Consider clusters based on visual criteria (not only textual)
- Keep data for at least 2 years
  - but need to change after some years to avoid over-training)
- Image formats are not consistent across tasks
  - same format useful for participation in more than 1 task
- Availability of training/development data would be helpful
- Queries should be different each year

# Photo annotation

- Add missing 7000 images to the test set
  - Not necessarily (fully) annotate them
- Increase concepts with more object-like ones
  - Several comments to add more concepts
  - Also concepts on sentiments
- More relaxed constraints on external data (such as face detectors)
- Bigger collection seems necessary
- Expand the ontology
- Publish the guidelines used by the annotators (they are available)
- Evaluation metrics: add Average Precision (AP)
- Use Flickr text
- Investigate cross-collection annotation?

# Wiki

- Change database to larger set and if possible with multi-linguality
- Better assessment tool is needed

# Robot vision

- Bridge gap with other tasks / Attract participants from other tasks
- Application of semantic annotation techniques
- Placing the robot in an unknown environment and the robot should detect what objects are there (related to the photo annotation task)

# Medical annotation

- Problem seems almost solved as results were very good and techniques are similar
- Task will not be continued in this form
  - Maybe something with more medical relevance

# Medical retrieval

- Tasks not realistic
- Case-based tasks very good
- Some like collections, others not
- Include the medical reports for realism