Outcomes 2011 and an outlook for ImageCLEF 2012

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Overview

• Some results of ImageCLEF 2011
  – Comments from the participants
• General plans for ImageCLEF 2012
• Changes to existing tasks
• Tasks potentially ending
• New task proposals
• Conclusions
Results of ImageCLEF 2011

• Strong **community** around each one of the tasks
  – Wiki, photo, plants, medical

• Concentration on **multimodal** approaches
  – Language independent and/or multilingual

• Good participation
  – Over 40 groups submitting results, 140 registrations, many participants here in Amsterdam

• Very active **discussions** about techniques, tools, methodologies

• **Demo** session was much appreciated!
  – Lively discussions, should be done again, with posters
More comments on 2011

• Not everything is optimal
  – Number of queries should be higher
  – Deeper analysis should be performed
    • Also on a per topic basis
  – Many groups register and do not submit results

• This remains a voluntary effort and we need help of everyone involved

• http://www.imageclef.org/survey/

• Thank you to all the participants!!
Comments from participants

- Task were generally rated as **good** and descriptions as **clear**
  - Allow for submitting more runs for some tasks
  - Create larger resources to show scalability
- **Web page** was appreciated (even though sometimes content was out of date)
  - Many accesses (>60’000 page views in a year)
- The **registration system** is generally regarded as fine
  - Allow to delete runs, update when news appear
  - Have possibility to change email address easily
  - Visually better appealing interface
Plans for 2012

• We plan to submit a proposal for an ImageCLEF 2012 lab at CLEF
  – Details can still be changed
  – We always need help in organizing this

• 4-5 tasks are the goal
  – New tasks to replace existing ones
  – Work on interesting challenges and create a community around these tasks
  – Additional propositions are still welcome

• Links with other labs
  – CLEF IP, maybe also PAN?
Changes in tasks

- **Medical task**
  - Larger hierarchy of modalities for modality detection
  - Maybe a better link between modality detection and image-based retrieval
  - More case-based topics

- **Plant classification**
  - Larger number species
  - Maybe add metadata, multimodal retrieval
  - Concentrating on real photos and not as much on well prepared scans
Tasks likely ending

- **Wikipedia retrieval**
  - Most likely with Theodora and Jana not fully clear about next jobs

- **Photo annotation**
  - Stefanie changing jobs, theseus project finishing
  - Task should continue but in a slightly modified format
New task propositions

• New photo annotation task
  – Particularly concept retrieval task has many challenges and possibilities, linked with the annotation task
  – More varied topics
  – Learning from very large but noisy training data

• Robot vision task
  – 3 camera and distance laser information to detect rooms based on information from a robot

• Wikimedia commons task
  – Among uploaded find those probable to be rejected
    • Training data of rejected images exist (violence, nudity, copyright restrictions)
Conclusions

• Very **active community** around ImageCLEF
  – Many discussions at the poster session, the demos, the dinners, …

• Web page and **infrastructure** could be improved but are generally fine

• Tasks and challenges are appreciated
  – Impact analysis suggests to change tasks after three years (database change, new challenges)

• Next year several tasks might be discontinued
  – … but there are several ideas for new tasks
  – We will keep you updated