

BioASQ

A challenge on large-scale biomedical semantic indexing and question answering

www.bioasq.org

Ion Androutsopoulos

NLP Group, Department of Informatics, Athens University of Economics and Business, Greece



Intelligent Information Management Targeted Competition Framework ICT-2011.4.4(d)



What is BioASQ?

A competition funded by the European Union (FP7).

Task A: Hierarchical text classification

- Organizers distribute new unclassified PubMed articles.
- Participants assign MeSH terms to the articles.
- Evaluation based on annotations of PubMed curators.

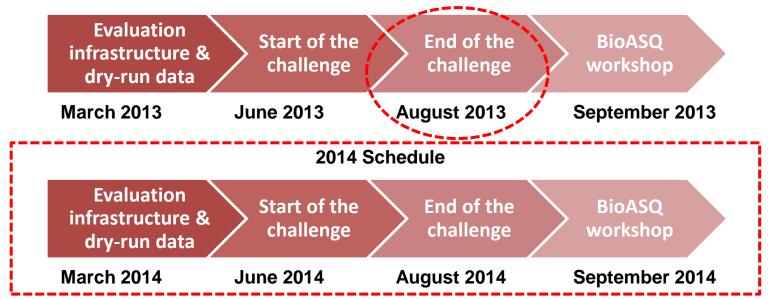
Task B: IR, QA, summarization

- Organizers distribute biomedical questions of experts.
- Participants provide: relevant articles, snippets,
 concepts, triples, exact answers, summary answers.
- Evaluation: both automatic (GMAP, MRR, Rouge etc.)
 and manual (by biomedical experts).



Two cycles





- ▶ Both tasks run twice, in **two cycles** (two years).
- ▶ 1st cycle completed, but attend/submit to our workshop @CLEF.
- ➤ You can also **join the 2nd cycle** (starting **March 2014**).
- Participation can be partial (any task, subtask, response type).
- ▶ **Prizes** for each task/subtask.

More info

Questions (min. 300+300) and **gold reference** answers prepared by **biomedical experts** from around Europe.

▶ Using tools/infrastructure developed by BioASQ.

Data sources include both text and structured info.

- PubMed articles and MeSH.
- Gene Ontology, UniProt, Jochem, Disease Ontology.

BioASQ datasets, infrastructure, evaluation services etc. available beyond the end of the project:

▶ Plus **social net** to help extend data, set up new challenges.

Advisory board: both academia and industry.

► NLM, NIST, CMU, IBM, MSR etc.



Project Consortium

1. National Centre for Scientific Research "Demokritos" -NSCR "D" (EL) 2. Transinsight GmbH ATI (D Universite Joseph Fourier- UJF (F) University Leipzig JULE (D) Universite Pierre et Marie Curie Paris 6 – UPMC (F) 6. Athens University of Economics and Business Research Centre + AUEB-RC

Get in touch!

See the **BioASQ poster! BioASQ workshop @CLEF** (Valencia, deadline 15 Aug.)
Visit www.bioasq.org
Follow @BioASQ

