BioASQ

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

http://www.bioasq.org | https://twitter.com/bioasq

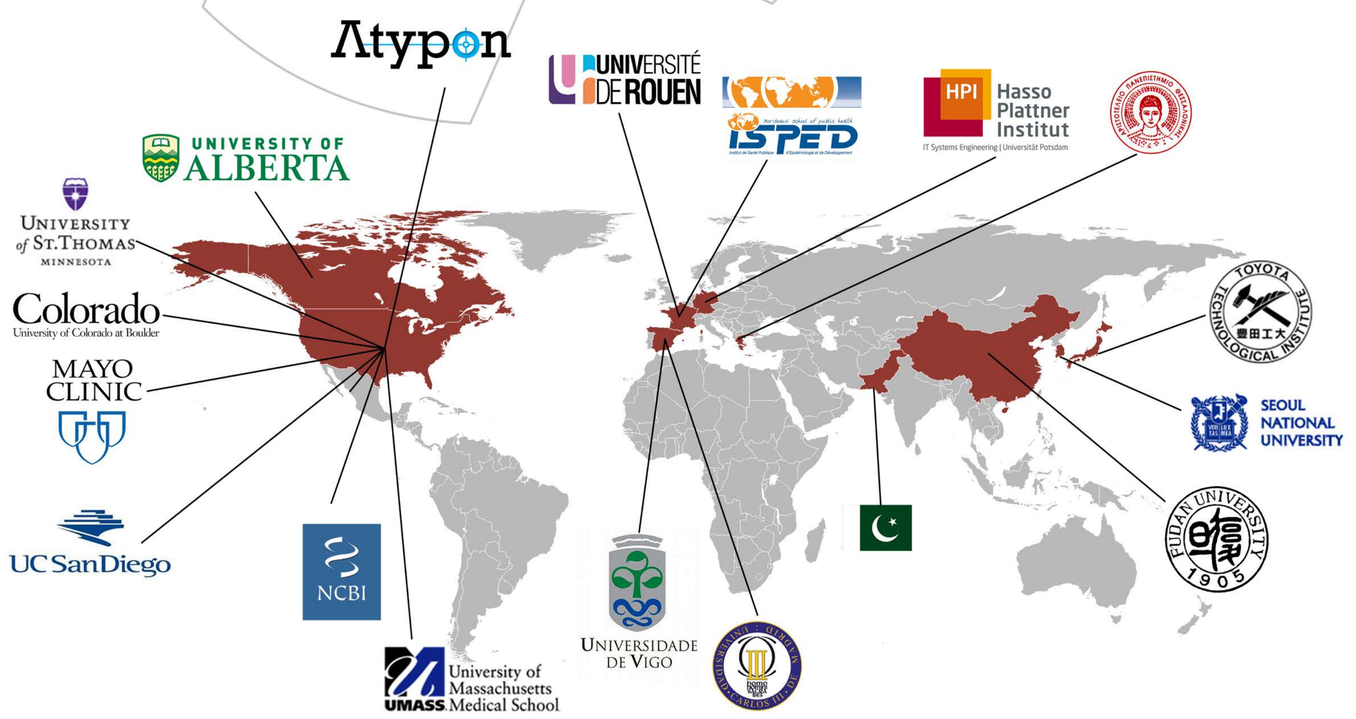
WHAT IS BioASQ?

A competition funded by EU (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 English biomedical questions produced by a team of biomedical experts.
- Participants provide: relevant articles, snippets, concepts, triples, "exact" answers (e.g., named entities), "ideal" answers (paragraph-sized summaries).
- Evaluation: both automatic (GMAP, MRR, ROUGE etc.) and manual (by biomedical experts).

PARTICIPANTS



Annotation & Assessment tool (Open Source).

Data sources include both **text** and **structured** info.
- PubMed articles and MeSH.
- Gene Ontology, UniProt, Jochem, Disease Ontology.

RESOURCES: Linked Data, Documents, Databases

TOOLS

EXPERTS

Biomedical experts, responsible for the formulation of questions, the identification of gold relevant documents, snippets, concepts, triples, the composition of gold "exact" and "ideal" answers, and the manual evaluation of system responses.

SOCIAL NETWORK

DATA

Task A: More than 10,000,000 articles with MeSH headings available for training.

Task B: More than 800 questions, plus gold relevant documents, snippets, concepts, triples, "exact", and "ideal" answers.

Benchmark datasets available beyond the end of the project.

NIH NLM

PARTICIPANTS

PLATFORM

RESULTS

Automated & manual assessment of system responses. Oracles available for objective retrospective bench-marking beyond the end of the project.

Online platform that enables participants to enter the BioASQ challenge. Infrastructure available beyond the end of the project.

BioASQ 2nd WORKSHOP

BioASQ will be part of the CLEF 2014 Question-Answering Track.

CLEF 2014 in Sheffield, UK
September 15-18, 2014

Submission of Working Note Papers
June 15, 2014

Start of Task 2A	Start of Task 2B	End of the challenge	BioASQ workshop
February 2014	March 2014	May 2014	September 2014

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