Reasoning in Bioinformatics.

The current bottleneck upon which future progress in biology depends is the coherent integration of hundreds of databases and bioinformatics tools online with hundreds of thousands of protein sequences and millions of literature abstracts. Reasoning-based solutions developed in REWERSE deal with rules for mediation and for formulating complex queries, consistent integration of Bioinformatics data, and adaptive portals for molecular biologists.

Application Areas

Reasoning with geotemporal information (e.g. begin of Easter holidays, next elections), geospatial information (e.g. near, southern London), and events. Locations and time play essential roles on today’s Web and will most likely become even more important with the advent of mobile computing and Semantic Web applications.

Reasoning in personalized information systems. To provide users optimized access to information, with appropriate quality, with required information depth, according to the user’s actual situation will be one of the key technologies for usability in the Semantic Web and can finally lead to intelligent context-aware environments.

REWERSE is always looking for new application areas and scenarios from industry. Please contact us if you are interested!
REWERENCE involves 27 European research and industry organizations and about 100 computer science researchers and professionals. The EU Commission supports REWERSE with more than 5 Million Euro over 4 years. REWERSE has started on 1st March 2004.

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Please contact us if you are interested in our research.

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- a Network of Excellence funded by the European Commission and by the Swiss Federal Office for Education and Science within the 6th Framework Programme project REWERSE number 506779
- a leading virtual research center on reasoning on the Web
- a competitive advantage for European Industry

Making the Semantic Web vision a reality