GOALS  The Webdam ERC grant (S. Abiteboul) started in December 2008. The goal is to develop a formal model for Web data management that would open new horizons for the development of the Web in a well-principled way, enhancing its functionality, performance, and reliability. More specifically, the aim is to create a universally accepted formal framework for describing complex and flexible interacting Web applications featuring notably data exchange, sharing, integration, querying and updating. It is also to develop formal foundations enabling peers to concurrently reason about global data management activities and cooperate in solving specific tasks with desired quality of service.

1 Webdam Project Achievements

The project goes on according to plan. The main activities during this period were:

1. The implementation of the Webdamlog engine (demonstrated at SIGMOD 2013), a distributed datalog system, realized primarily by Emi-lien Antoine.
2. The development of a framework for distributed access control (article in preparation) with the participation of Gerome Miklau from U. Massachusetts (one year visit in Webdam).

3. Works on collaborative workflows (article in PODS 2013) with the participation of Victor Vianu from UCSD (six month visit in Webdam).


Major results were achieved in these different areas. Several members of the project have obtained prestigious positions, notably professor positions for Daniel Deutch in Tel Aviv U. and Balder ten Cate, UC Santa Cruz, and a research position for Fabian Suchanek at Max Plank Institute in Saarbrücken. Serge Abiteboul has been appointed to the Conseil National du Numérique (government council).

2 Publications 2013

The publications are all reachable from the Webdam publications page: http://webdam.inria.fr/wordpress/?page_id=8.

Conferences


Demonstrations (in proceedings of international conferences)

3 Publications 2012

Journals


Conferences


Workshops

Demonstrations (in proceedings of international conferences)


Book


Others


