

Research Interests

Pierre Senellart



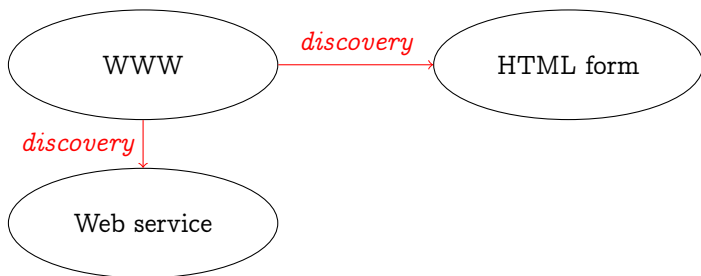
UNIVERSITÉ
PARIS-SUD 11

Ranked XML Querying Dagstuhl Seminar
10 March 2008

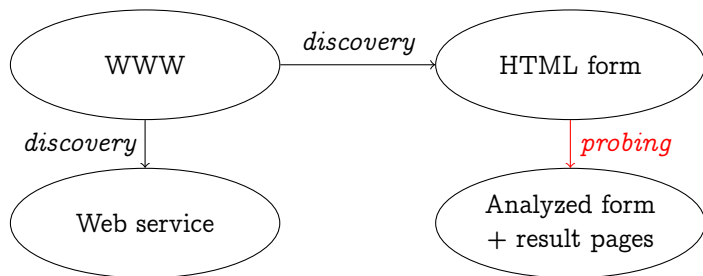
Understanding the Hidden Web

WWW

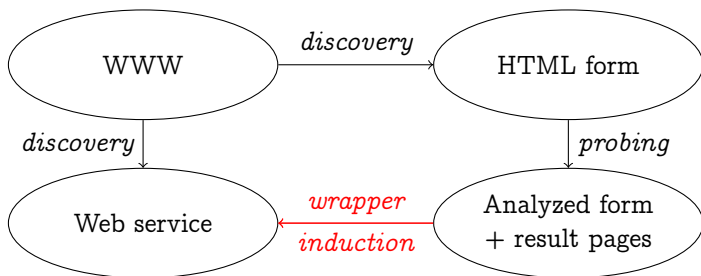
Understanding the Hidden Web



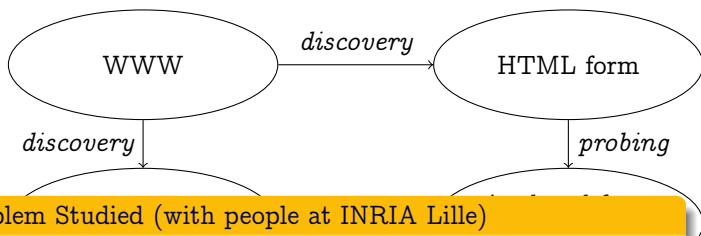
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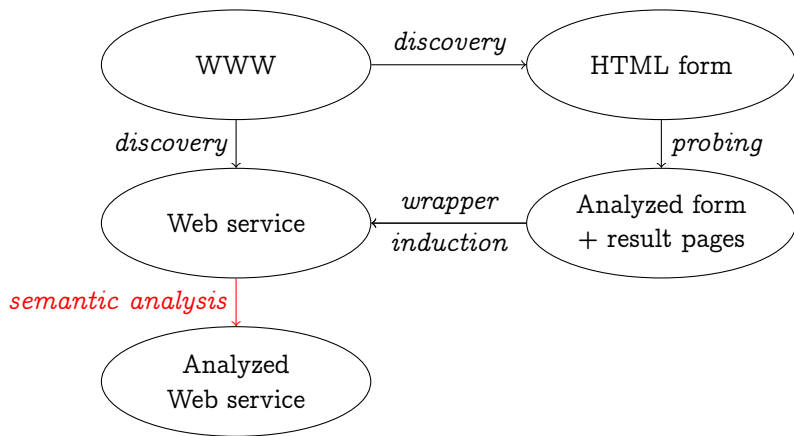


Problem Studied (with people at INRIA Lille)

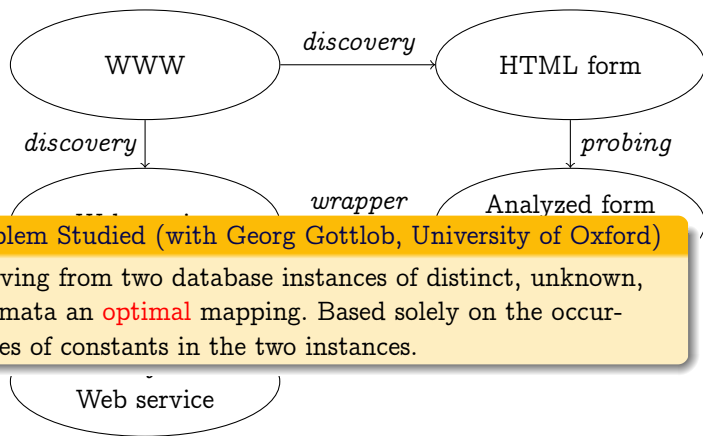
Using a preliminary imperfect and imprecise annotation by domain knowledge for bootstrapping a **structural** wrapper induction.

More on this on Thursday !

Understanding the Hidden Web



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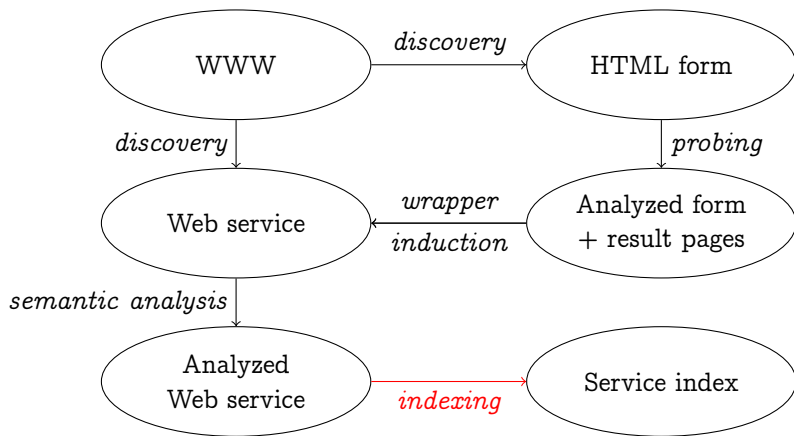
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Problem Studied (with Georg Gottlob, University of Oxford)

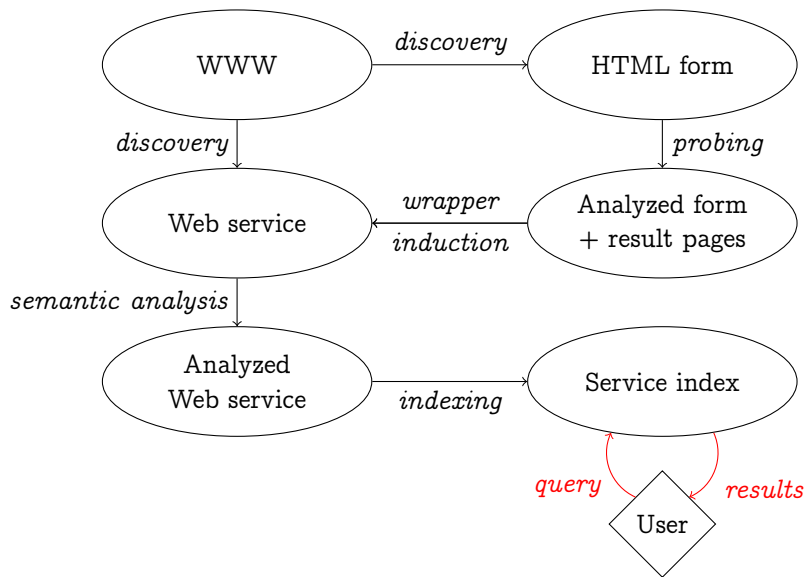
Deriving from two database instances of distinct, unknown, schemata an **optimal** mapping. Based solely on the occurrences of constants in the two instances.

Web service

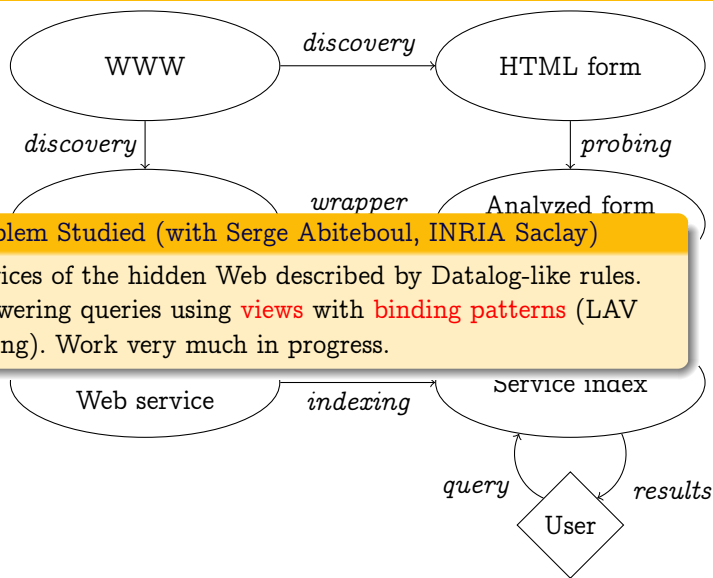
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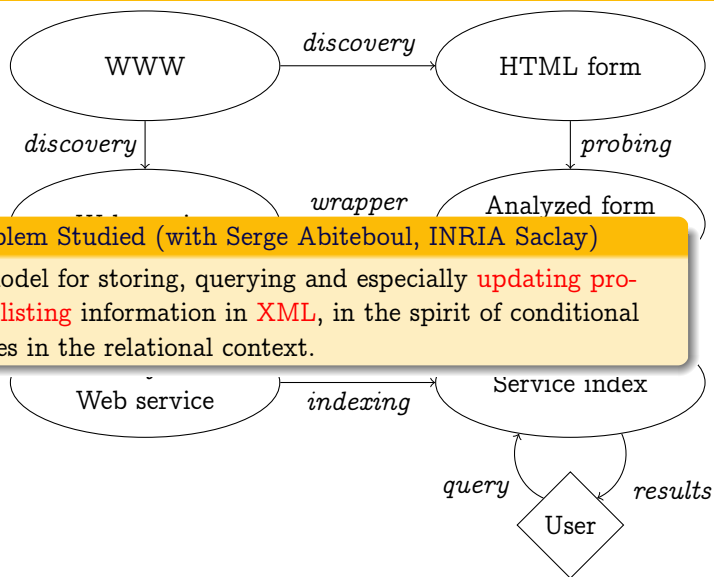


Problem Studied (with Serge Abiteboul, INRIA Saclay)

Services of the hidden Web described by Datalog-like rules.

^{se} Answering queries using **views** with **binding patterns** (LAV setting). Work very much in progress.

Understanding the Hidden Web



The Web as a Graph

Related Nodes in a Graph (with Yann Ollivier, ENS Lyon)

Using Green measures to define a **semantic neighborhood** of nodes in a graph, e.g., for extracting **related pages**.

PageRank Prediction (with Michalis Vazirgiannis, Athens Univ. of Economics & Business)

Prediction of the **evolution of PageRank** using hidden Markov models to decrease the needed crawl refreshment rate.

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(Very) Preliminary Research Interests

Data Corroboration (with Amélie Marian, Rutgers, and Serge Abiteboul, INRIA Saclay)

How to use the **redundancy** of facts stated by different sources (e.g., on the Web) to estimate the **confidence** in these facts?

Automatic Extraction of Relations Between Entities From Text (with people at MPI-Informatik)

How to extract (*a priori* unknown) **relations** between known entities from a **textual corpus** referring to these entities?

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