

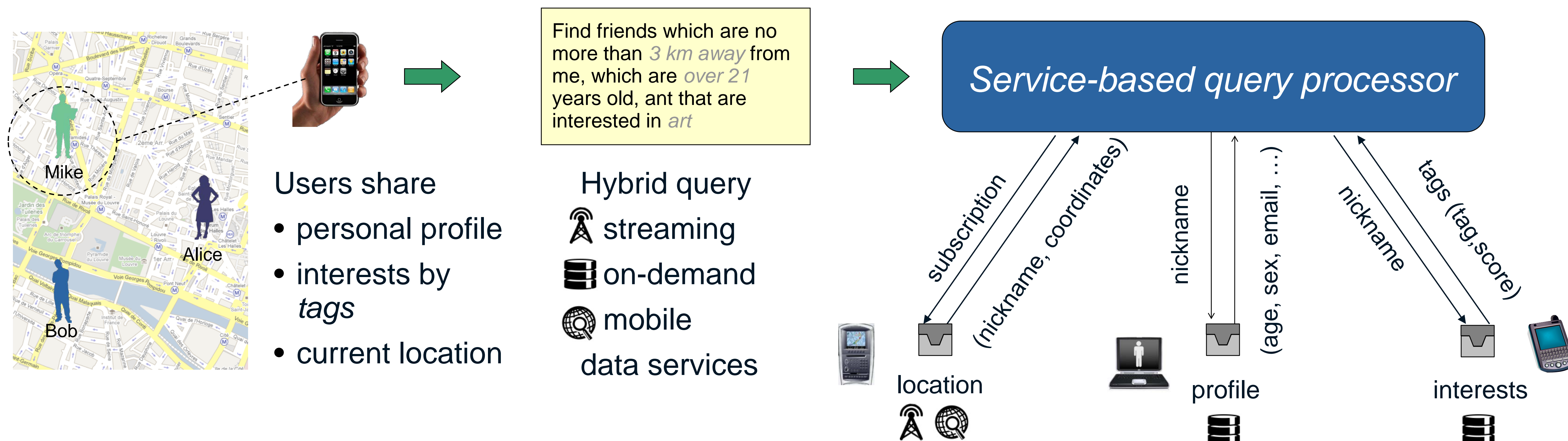
Evaluation of hybrid queries based on services coordination

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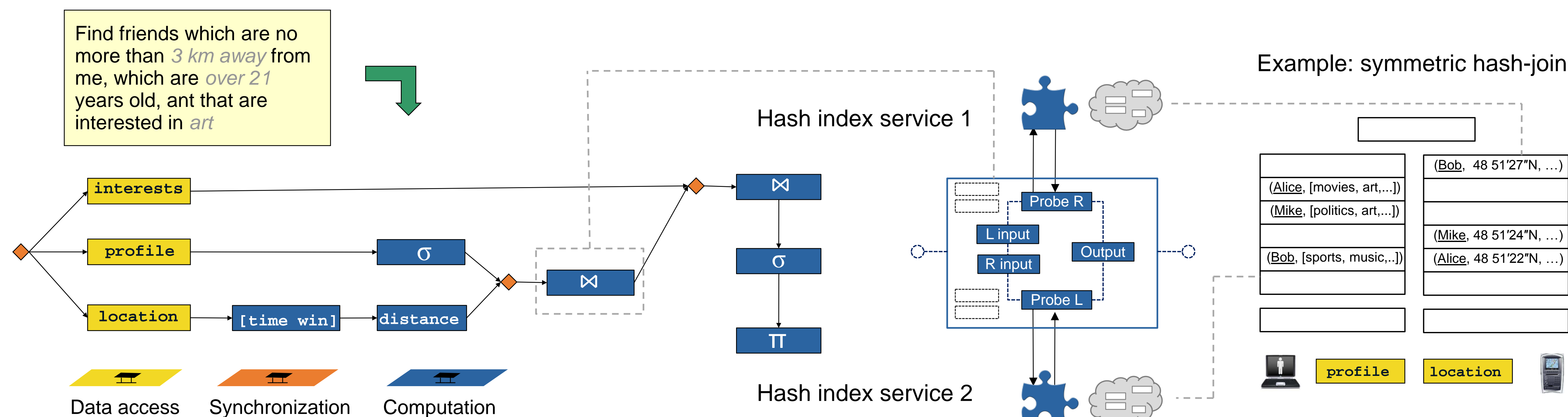
H A D A S
HETEROGENEOUS AUTONOMOUS DISTRIBUTED DATA SERVICES



Motivation example: friend finder application

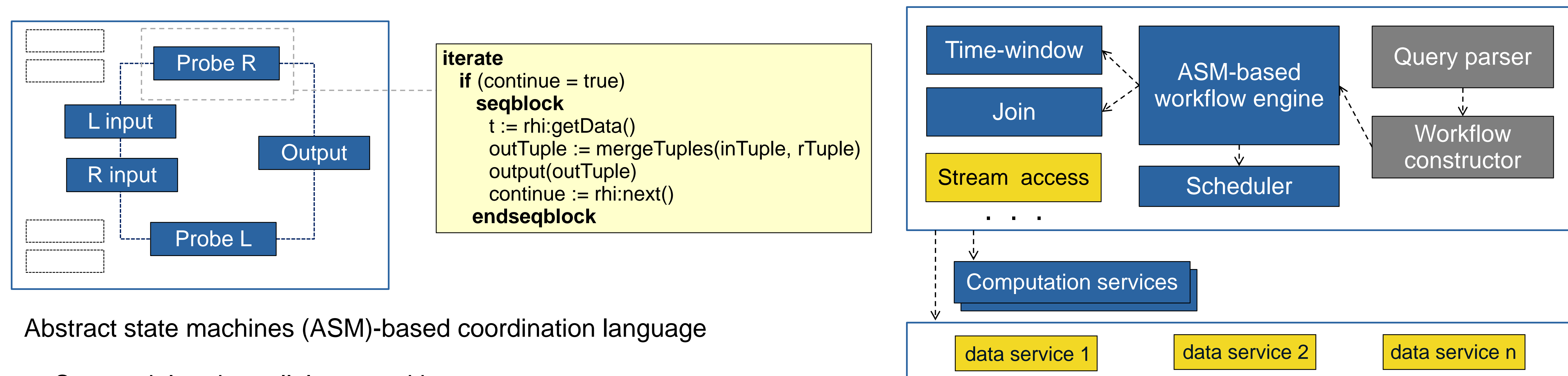


Approach: a query as a services coordination



- Workflow of data access, synchronization, and computation activities
- Computation activities represent query operators

Service coordination language and infrastructure



- Sequential and parallel composition
- Iteration
- Conditional execution
- Dynamic functions

First prototype developed for Optimacs project [optimacs.imag.fr]

- SQL-like query language
- Join, selection, projection, time and tuple-based windows

Publications

- EDBT PhD Workshop 2008: Hybrid query processing through services composition
- DSM2E Workshop (ICDE'08): Towards multi-scale query processing
- Mexican International Conference in Computer Science:
 - Web Services Orchestration in the WebContent Semantic Web Framework (2008) Best paper award
 - Efficiently Coordinating Services for Querying Data in Dynamic Environments (2009)

