

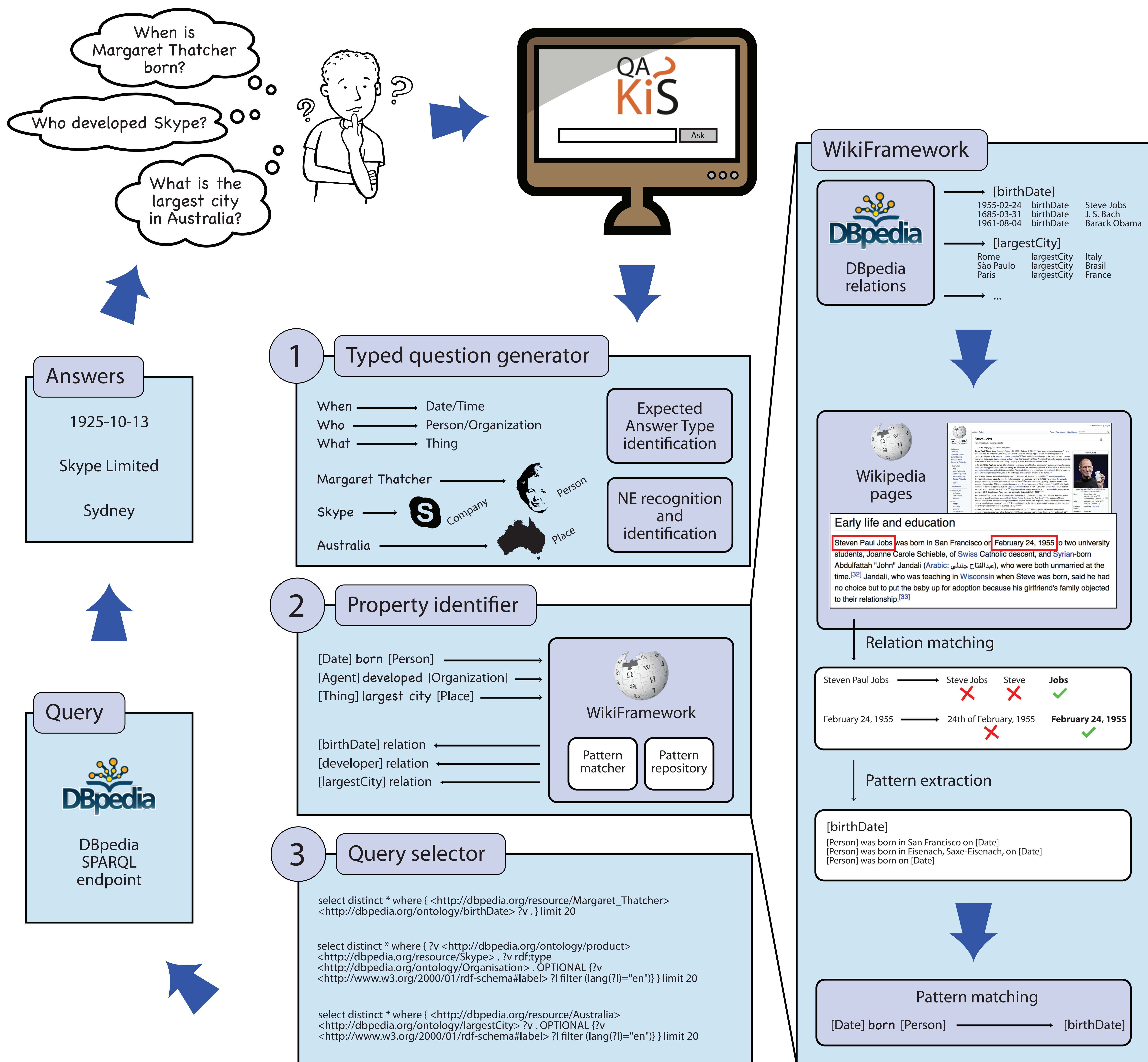
QAKiS: an Open Domain QA System based on Relational Patterns



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Scenario

ONLINE DEMO: <http://dbpedia.inria.fr/qakis/>



Experimental evaluation

- Data set:** Question Answering over Linked Data evaluation campaign (QALD-2, DBpedia track)
- Target:** questions containing a NE related to the answer through one property of the ontology. One single pattern is matched.

	Training set	Test set
Precision	0.476	0.39
Recall	0.479	0.37
F-measure	0.477	0.38
# answered questions	40/100	35/100
# right answers	17/40	11/35
# partially right answers	4/40	4/35

Future challenges

- Publish WikiFramework relational patterns as RDF linked data
- Improve the **WikiFramework pattern extraction algorithm** following [Wu and Weld ACL2010]
- Improve **question-pattern matching algorithm**
- Extend **system coverage** to boolean and n-relation questions
- Explore QAKiS applicability in **real application scenarios**