

Application Platform for Semantic Web

What happens to personal computing when applications are free to represent their information and documents using Semantic Web formalisms (such as W3C's RDF and OWL), and can rely on reasoning and querying services from the underlying middleware?

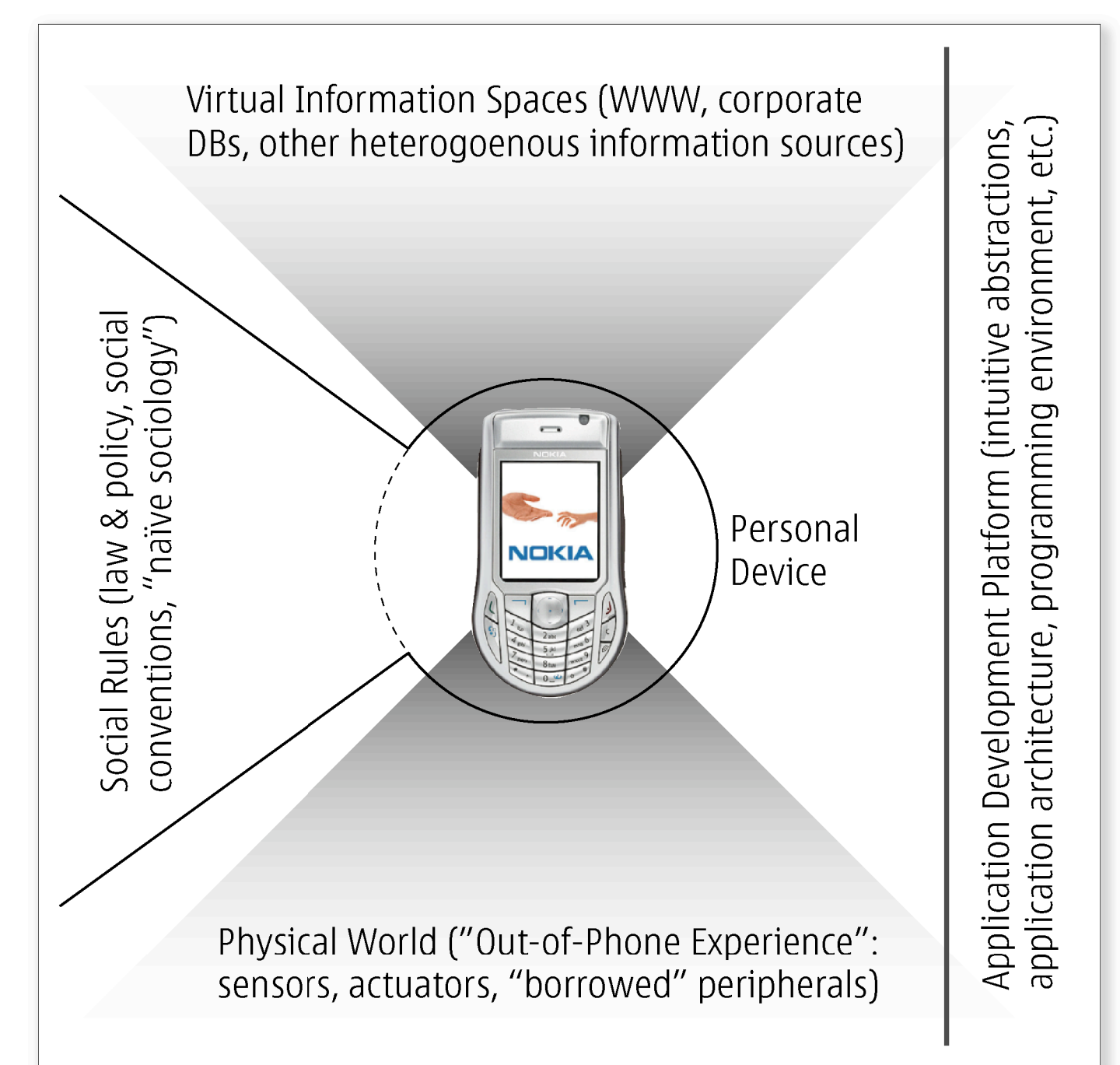
Project “SwapMe”...*

is an new collaborative effort between MIT/CSAIL and NRCC, focused on building a platform for applications to easily utilize Semantic Web technologies in a pervasive manner. The project draws on the earlier work by both parties on *policy- and context-awareness, personal information management, automated planning, pervasive computing* and, naturally, the *Semantic Web*.

The broad goals of SwapMe are:

- to make Semantic Web technologies available to mobile applications,
- to find an easy way of building light-weight Semantic Web applications, and
- to determine how policy- and context-awareness can enhance user experience.

* Semantic Web Application Platform for the Mobile Ecosystem



Semantic Web is vital to data modeling and management of all parts of NRC Cambridge's "Mobile Ecosystem" -concept.

As its first use case, SwapMe is looking into effortless and serendipitous information sharing in meeting situations.

The project will collaborate with other NRCC projects: "Simone" (for speech-based user interfaces) , "MyNet" (for proximity networking and discovery technologies) and "ComposeMe" (for service composition).

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