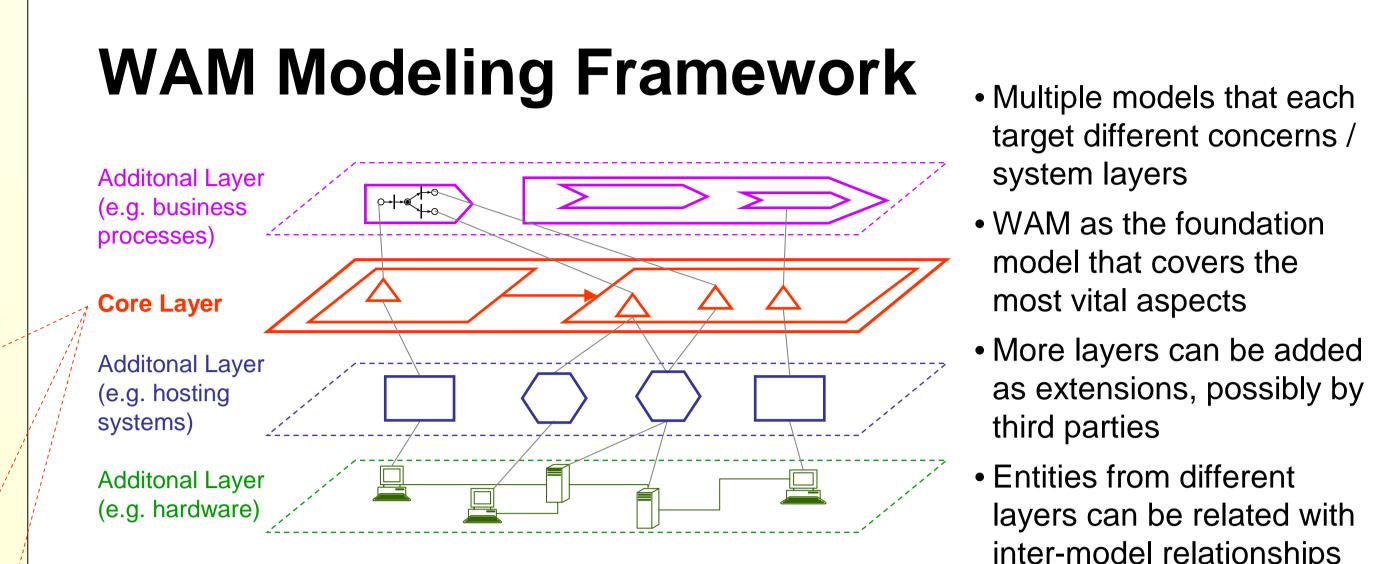
## **CAPTURING THE ESSENTIALS** Universität Karlsruhe (TH) **OF FEDERATED SYSTEMS** Research University • founded 1825

Microsoft<sup>®</sup> Research

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## The Idea

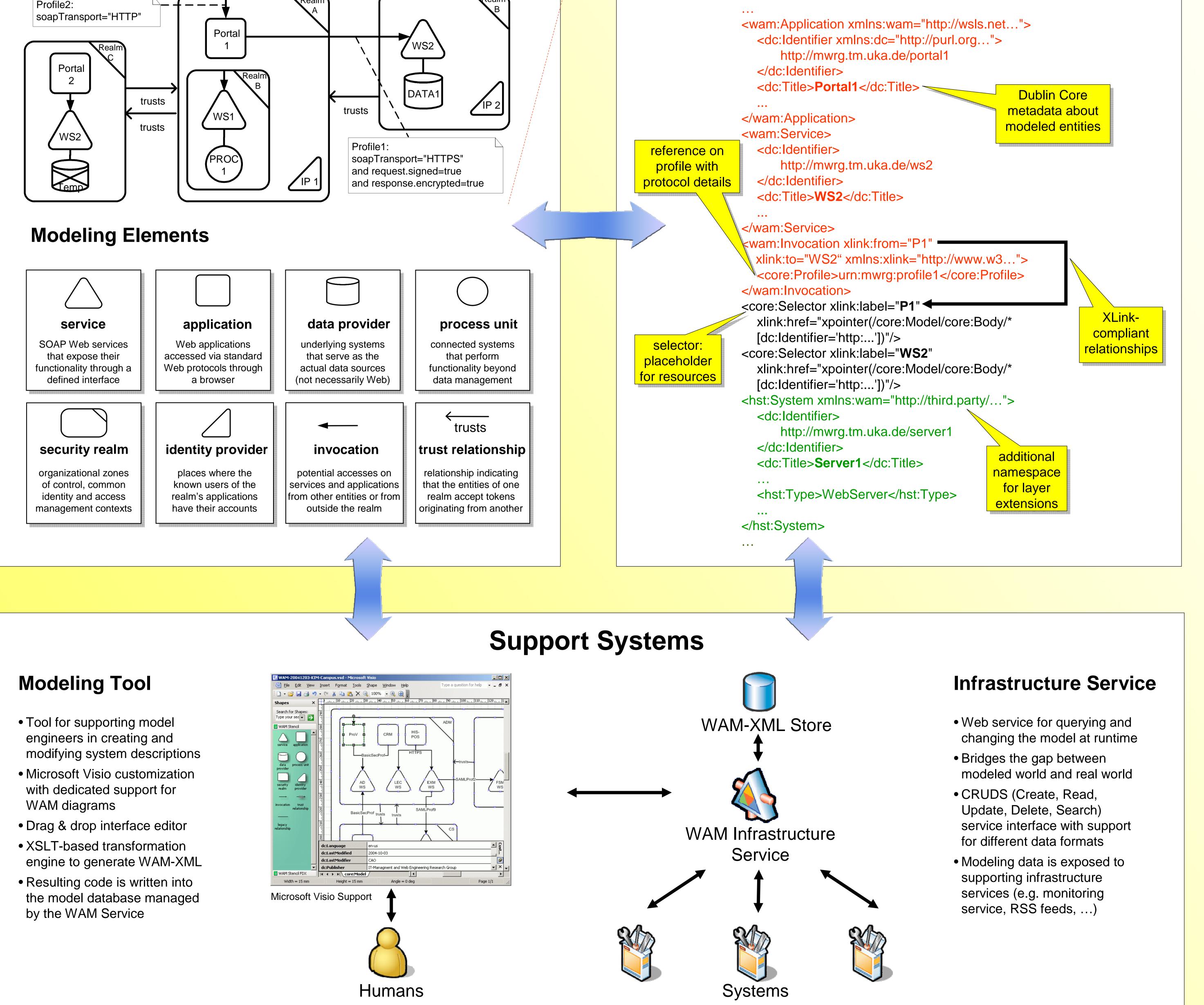
Today, the Web is increasingly used as a platform for distributed services, which transcend organizational boundaries to form federated applications. Consequently, there is a growing interest in the architectural aspect of Web-based systems, i.e. the composition of the overall solution into individual Web applications and Web services from different parties. The design and evolution of federated systems calls for models that give an overview of the structural as well as trust-specific composition and reflect the technical details of the various accesses. We introduce the WebComposition Architecture Model (WAM) as an overall modeling approach tailored to aspects of highly distributed systems with federation as an integral factor.



inter-model relationships

## WAM-XML

WAM-XML is a language for providing machine-readable representations of WAMmodels at design- and operation-time. It is defined by a flexible XML-Schema that incorporates existing XML-based specifications and allows future extensions. Modeling layers are represented by separate XML namespaces.



WAM Core Model Example Profile2:

## **Further Information at http://mwrg.tm.uni-karlsruhe.de**