



Future STEP Project for Ontology Summit 2009

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NIST

National Institute of Standards and Technology
Technology Administration, U.S. Department of Commerce

Project Goals

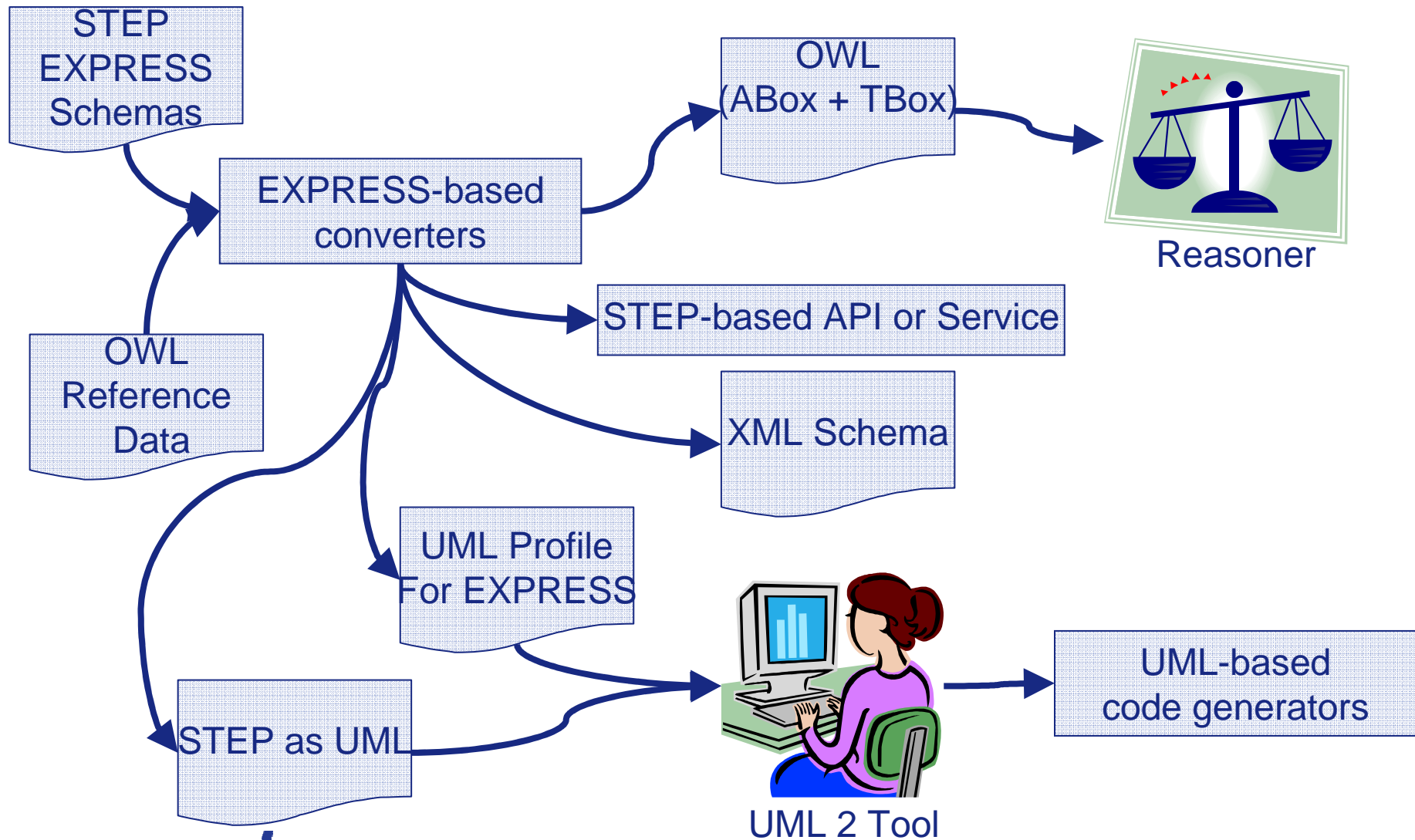
- » To enable enterprise integration based on inter-related data exchange, ontology and service specifications

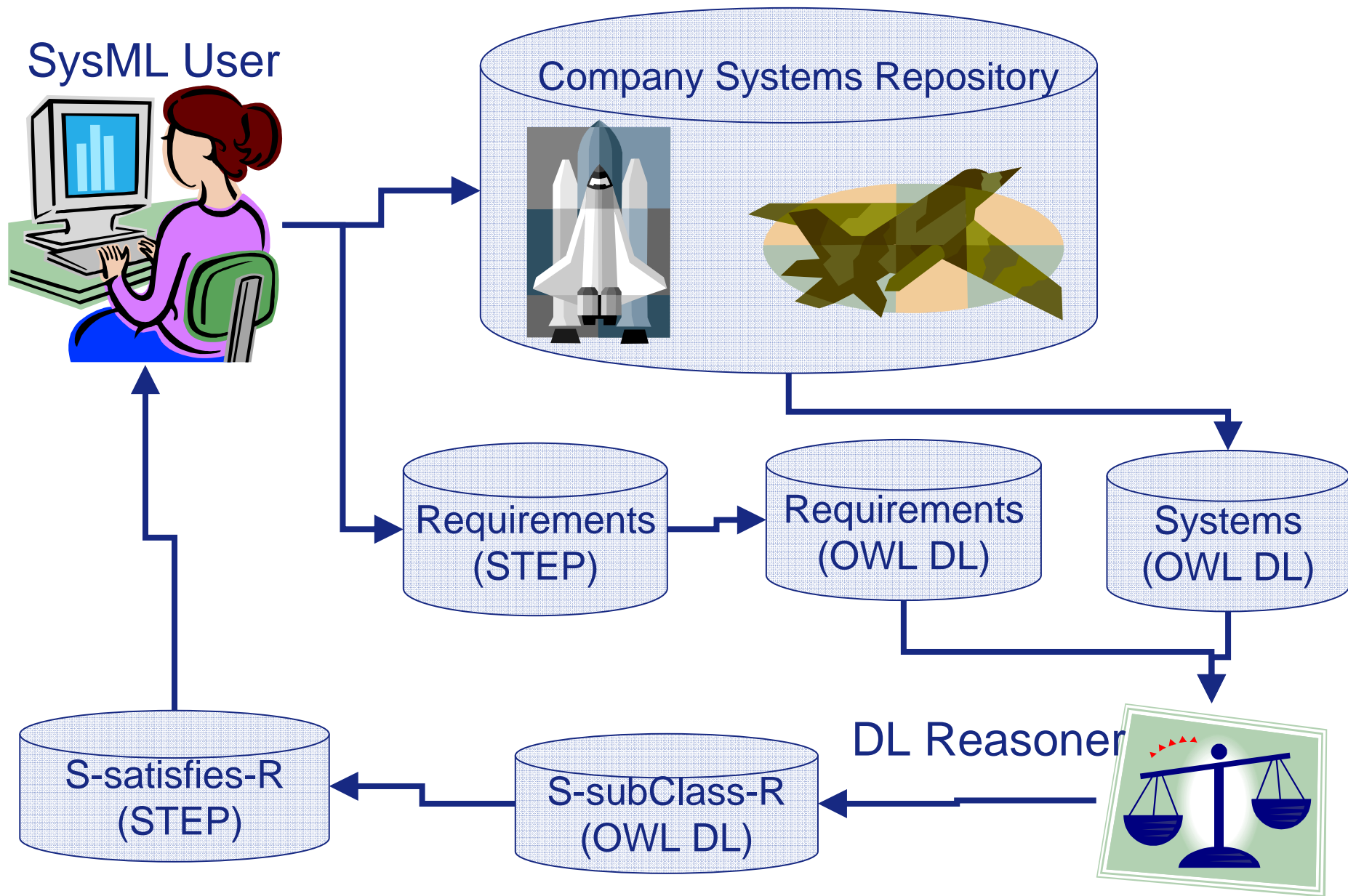
- » To enable the selective harvesting of ISO STEP standards into ontologies and other widespread modeling languages (i.e. OMG and its Model Driven Architecture approach)

- » To migrate STEP content towards widespread modeling and implementation technology
 - With possibility of ISO STEP harvesting improvements in OMG, W3C, etc, back as ISO standards

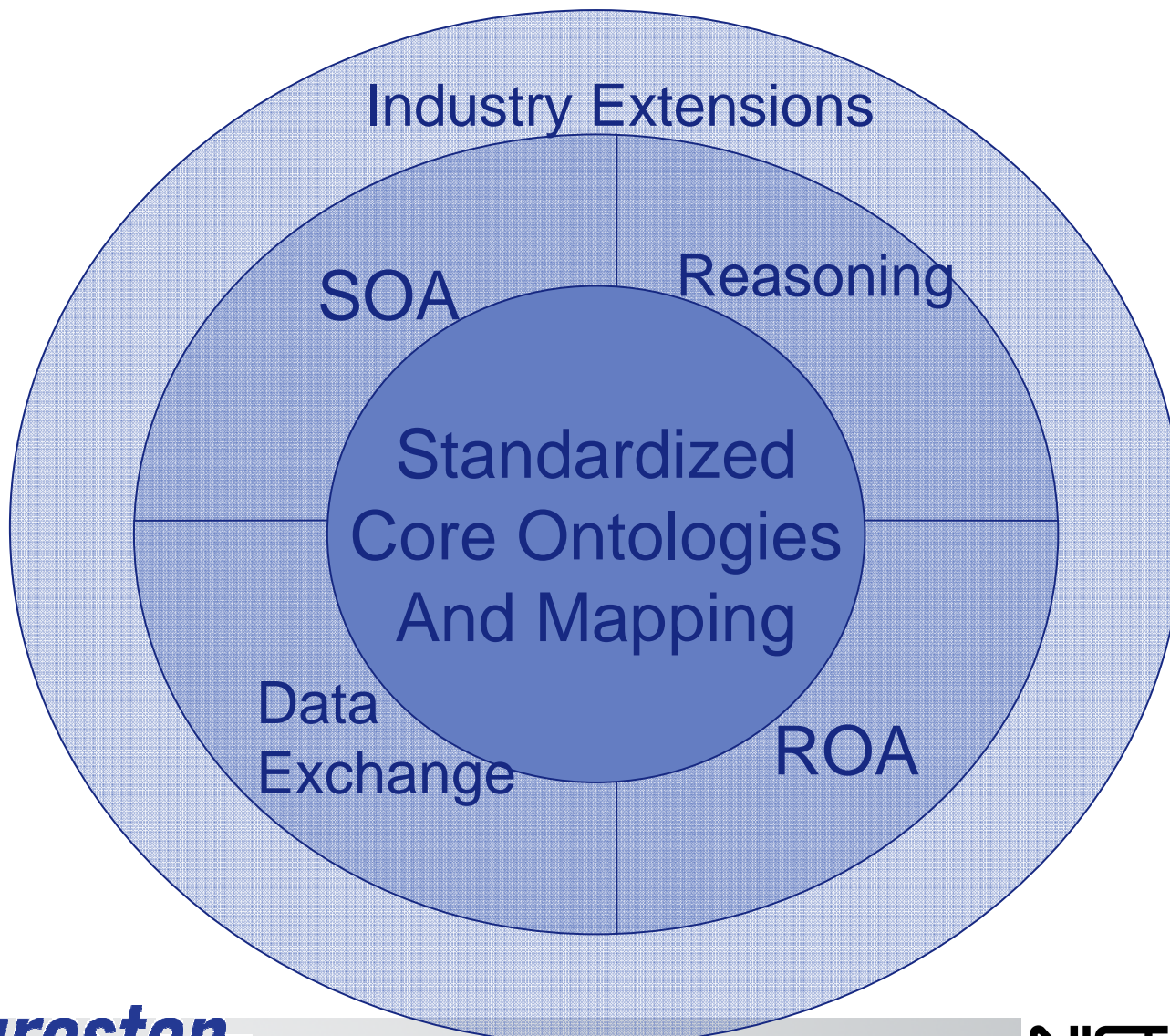
 - With possibility of SC4 itself using that technology

Near-Term Goal - Harvesting STEP





End Goal – New ISO STEP Approach



How Ontology Summit 2009 Can Help

- » Add to focus on core ontologies for product data
 - Some basics are required (e.g. Units)

- » Provide guidance on best-practices, and what is “doable” with respect to our goal of harmonized/aligned OWL, UML, EXPRESS, XML Schema, SOA, ROA, etc.

- » Support overall objectives in communicate