Conservative Repurposing RDF Data

Audun Stolpe and Martin G. Skjæveland

ISWC 2011 Minute Madness

25.10.2011
Motivation:
Transforming RDF data into different vocabulary

• “How do I make sure information is not lost?”
• “Can I get back my original data?”
• “Is it safe to merge with existing data?”
• “Can I add more information to the target?”

Audun Stolpe and Martin G. Skjæveland: Conservative Repurposing of RDF Data
Solution:  
Conservative RDF Transformations

• Homomorphism (1) with back-conditions (2):
  1. Systematic transformation of the source.
  2. Non-distortive representation of the source at the target.

• Different back-conditions give:
  – exact, merger or extending transformations.

• Applies also to SPARQL CONSTRUCT queries:
  – “Is my construct query a conservative transformation?”

Audun Stolpe and Martin G. Skjæveland: Conservative Repurposing of RDF Data
Welcome!

• Please visit my poster stand.
• I have:
  – Poster.
  – Live demo.
  – Handouts.