



Social bookmarking tool based on structurable tags for communities of teachers

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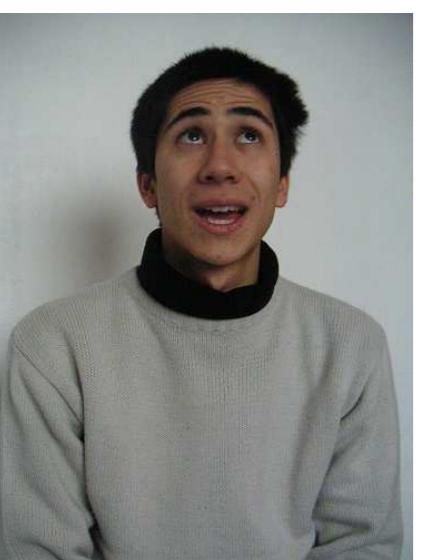
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Social Bookmarking Tool Based On Structurable Tags For Communities of Teachers



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Targeted context: Teachers in mechanical engineering

- a community of 1800 teachers (mailing-list)
- resources scattered over the Web
- experimenting tools to organise resources (website, forum, CMS)

Need for a participative tool to share and organise scattered resources

The screenshot shows the SemanticScuttle interface. At the top, there's a form for adding a bookmark with fields for Address (http://www.mecamedia.info/index/flash_a380), Title (Test of flexibility of an AIRBUS wing), Description (empty), Tags (test>flexibility, a380, type>simulation), and Privacy (Public). Below this is a navigation bar with a star icon, the text "semantic scuttle", "about", and "register". The main area shows a list of bookmarks for user "teacher1". The first bookmark is "Test of flexibility of an AIRBUS wing" with the URL http://www.mecamedia.info/index/flash_a380. The second bookmark is "Video of Airbus brake test" with the URL http://www.youtube.com/watch?v=m1dv_y_3EK0. A yellow callout bubble with the text "Structurable tags Inclusion : > Synonymy : = " is overlaid on the interface, pointing to the "Tags" field and the list of linked tags.

State of the art: Semantic vs Participative Web

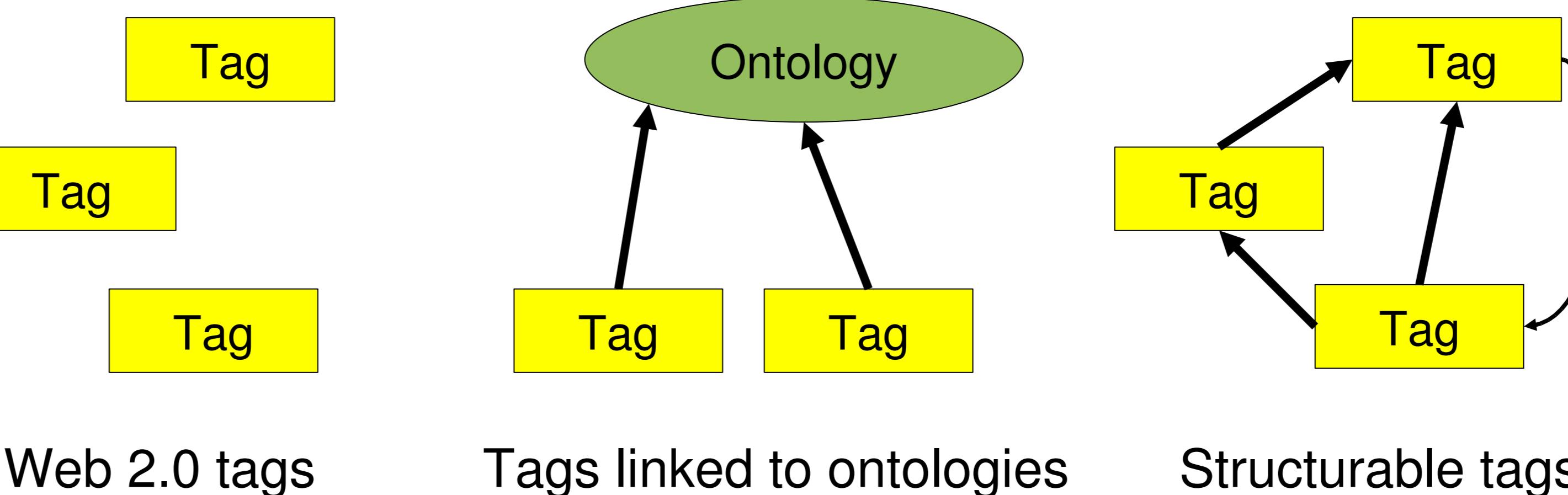
	Semantic Web	Participative Web
Qualities	Powerful logical reasoning	Low-cost metadata Diversity of point of view
Weaknesses	High-cost metadata Difficulty to obtain a single model	Difficulty to structure metadata Basic clustering around metadata

Merging approaches? (Semantic Web 2.0 or Web 3.0)

SemanticScuttle vs Related works

	SemanticScuttle	Related works
Control	Any user can create tags and relations between them	One supervisor has advanced control on tags and relations
Model	No common model but an aggregated one tolerating inconsistency	One underlying common model or constraining one
Ergonomics	On-the-fly relations	Relations added through browsing in a tree

From tags to ontology or from ontology to tags?



Experimentation

- Difficulties
- Competition with other tools
- Foreseen observations on structurable tags
- Which interfaces to manage them?
 - Social organisation to annotate them?
 - Emerging structures of tags?

Work in progress

From social to collaborative bookmarking
SemanticScuttle: <http://sourceforge.net/projects/semanticscuttle/>