**Kolflow: Man-Machine Collaboration in Continuous Knowledge-Construction**

**Flows**

Contint + 2010

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**Project goals**

Kolflow aims at building a social semantic space where humans collaborate with smart agents in order to produce knowledge understandable by humans and machines. Humans are able to understand the actions of smart agents. Smart agents are able to understand actions of humans. Kolflow targets the co-evolution of content and knowledge as the result of interactions of humans and machines.

**Man-machine collaboration for humans:** or how to make formal knowledge and its evolution accessible, usable, editable and understandable by human agents so they can observe, control, evaluate and reuse the outputs of smart agents?

**Man-machine collaboration for machines:** How to support and take into account the unpredictable behavior of human agents that can at any moment add or modify content and formal knowledge with the risk of introducing uncertainty or inconsistency?

**Conclusion and perspectives**

Kolflow has proposals to switch from linked data 1.0 to linked data 2.0, assist users to keep data consistent through knowledge revision, recommend users for keeping social data up to date with linked data. Kolflow will propose a new kind a federated semantic wiki adapted for live linked data.

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**Methodology and results**

**Machine-Machine collaboration:** or how to make Linked data federation writeable (linked data 1.0-2.0)?

Live Linked data. Rewrite SPARQL update operation into Conflict-free replicated data type operation to ensure eventual consistency on federation of linked data. Implementation in progress on Corese

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