Third Meeting
Kolflow project – SILEX

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Silex activities

- People
  - Le Anh Hoang (Master Student, 6 month)
  - 2nd year students (Projects and internship)

- Achievements
  - State of the art (D4.1)
  - Scenarios (D6.1, D6.2)
  - Collectra/Assistance
  - Fully equipped virtual machine (nearly)

State of the art

State of the art (D4.1)

- State of the art for task 4
  - Dynamic knowledge engineering
  - Traces and Traces Management Systems
  - Assistance
  - Virtual community and Social Network
- Document available (SVN)
- **Feel free to update!**
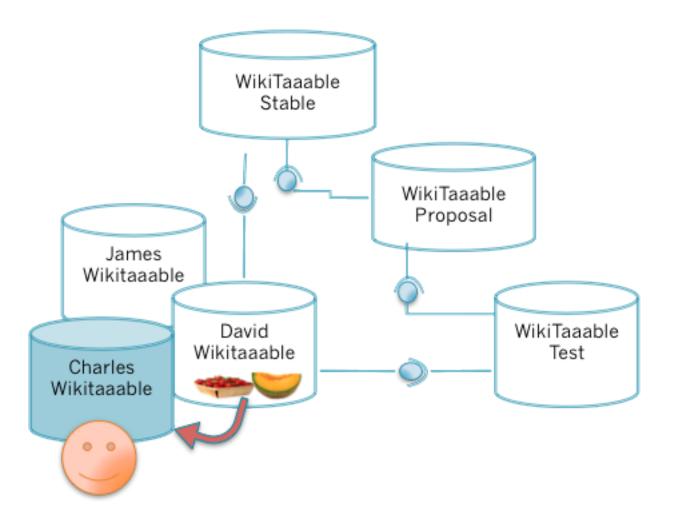
Scenarii

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- 2 commons papers for SWCS 2012:
  - K-CIP, with Nantes and Nancy
  - Assistance scenarii, with Nantes
- 1 internal document
  - Description of assistance scenarii and research questions for Silex

All the documents are available online (SVN)
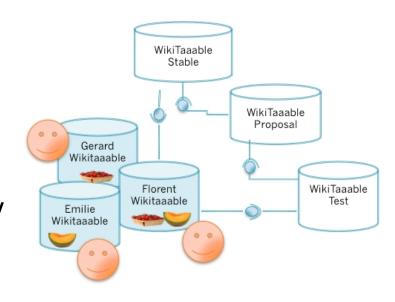
Scenario 1: Personal fusion

Scenario 2: Collaborative fusion

- Situation:
  - Emile, Gérard and Florent want to gather all their recipes related to chocolate in a stable instance of WikiTaaable.
  - Some conflits can only be solved by negociating and finding an agreement among the three users.

- Main problems:
  - A complex history of the conflicts in the common wiki
  - No tracks of a large part of the negotiation process outside the wiki (e-mail, online chat, phone...)
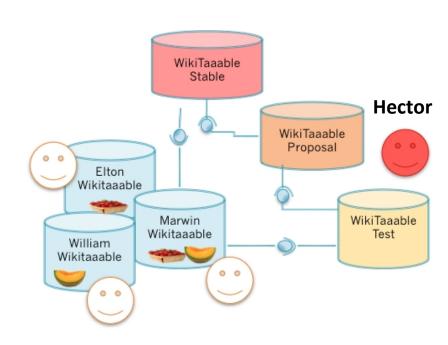
Scenario 2: Collaborative fusion

- **Specific research issues:**
  - How to present the history of the resources to the users involved in the building and negotiation on a set of recipes?
    - To keep all the traces of use of WikiTaaable related to every resource, to present them in a contextualized way.
  - Which data produced during the negotiation should we add to the history of the resource?
    - To keep traces of the decisions taken appart from the wiki? To interpret the decisions, based on the interaction traces on the wiki?
  - How to integrate all the knowledge produced during the negotiation so as to document a decision?
    - To integrate into the push/pull traces all the discussions that occurred between these operations?

Scenario 3: Community fusion

■ Situation:
  – Hector is the moderator of a community of people interested in chocolate recipes.
  – He integrates all the users' suggestions in a stable instance of WikiTaaable.

■ Hector needs help to:
  – Have a synthetic view of the community activity.
  – Decide which knowledge to validate.
  – Identify which users to solve the conflict.

Scenario 3: Community fusion

- Specific reasearch issues:
  - Which information to present to the moderator on a community management dashboard?
    - Warnings when there are conflicts. Information on who has imported which resource, how many people agree on it, which users are "expert" on a subject, etc.
  - How to determine the level of trust in a member of the community?
    - Declared level of expertise? Vote or rate (explicit or based on use traces)?
  - In case of a conflict, which knowledge to validate? How to determine the level of trust in a piece of knowledge?
    - Is the majority right? To trust the people deemed "expert"?
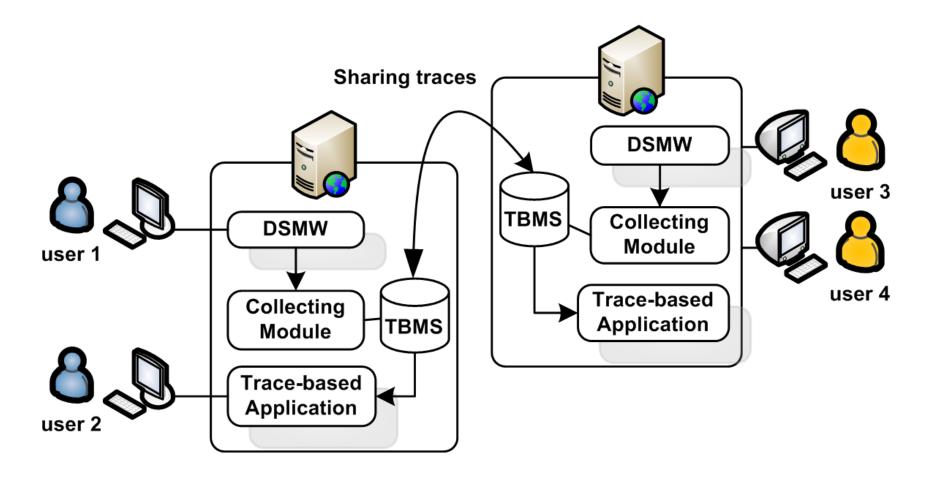
A tool for assistance

A tool for assistance

- Goal: first step in the development of a trace-based assistant for DSMW

- Plugins:
  - Collectra: a plugin for collecting interaction traces in DSMW
  - Assistance: a plugin for using collected traces

- Status:
  - Ongoing development, first results encouraging

Architecture

Virtual Machine

- Farm of traced DSMW
  - Individual traces
  - Traces stored in kTBS
- kTBS
  - Transformations on traces
    - Filter by obsel types
      - Individual event, collective event, key input, mouse click
    - Filter by date
    - Configured transformations
      - Mouse click with specific characteristics
    - Merged traces
      - Traces with edited pages and saved pages

Demonstration

- Temporary interfaces to show possible transformations
  - Interfaces for configuration of transformations
  - Interfaces for visualisation of traces
- Next step
  - Use this results on the assistant
  - Transparent for users

Interaction with other tasks/ partners

Interactions

- K-CIP: a leading use-case for Kolflow? What's next?
  - Implementation of a scenario?
  - Role of the assistance?

- WikiTaaable
  - A lot of work to set up the resource
  - How do we do that?

- Task 3
  - Needs a boost... do we have use cases?

Open question: WikiTaaable?

- How to import WikiTaaable in DSMW?
- Problems with the dump
- Problems with semantic annotations?
- Set up a procedure for updates?

Can we do a quick workshop on the topic during this meeting?