

FairTrace

The FAIRTRACE project aims at creating and deploying an Semantic Web based Information System that allows tracking the path followed by a textile product throughout the manufacturing chain, from cultivation of raw material to the final product.

Realization

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Informations

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Keywords

- Fair trade
- Traceability
- Mobile applications
- Semantic Web
- Data mining

Our competencies

- Semantic web
- Ruby on Rails
- Mobile applications
- Business Process Management

Valorization

Swiss patent application
CH00104/12 filed on Jan. 25,
2012.

Partnership

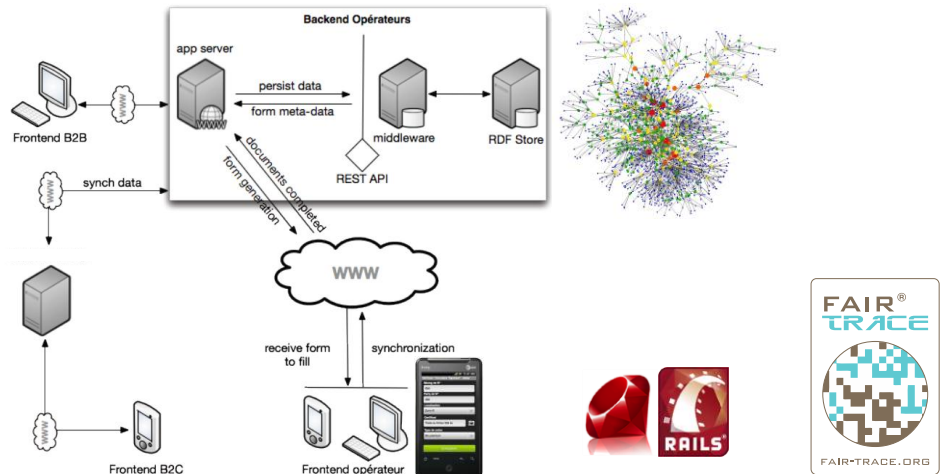
- Importexa

Funding

CTI

Calendar

08/2010 – 07/2012



The main impact of FairTrace is the promotion into the market of **clean products** that meet the social and environmental ethics and the provision of this information in real time to the end consumer who wishes to verify the origin of a product and the conditions under which it was manufactured.

The Institute of Business Information Systems is developing **three types of application**:

- Mobile applications for data acquisition on the ground in the textile industries;
- Applications for managing traceability data by operators, with the possibility of advanced queries;
- Mobile applications for the consumer.

The **main innovations** of the project can be summarized in three levels:

- An intelligent server that correlates heterogeneous data using Semantic Web technology;
- The development of methods of data mining to perform advanced queries;
- The development of Web based mobile applications for Smartphone acquisition of field data.

The project has been successfully deployed in a **textile industry** in India, to test the feasibility of the prototype.

To protect the Fairtrace knowledge, a **generic patent** has been deposited. "Procédé d'édition de formulaires pour la saisie de données en différents points de collecte." The patent describes a procedure that uses Semantic Web technologies to gather traçability data through mobile applications.

