

Creation of specific modelers to industrialize the software design



Customer profile

- 2.8 million services
- More than 15,000 employees
- IT Department with over 1,500 personnel



Sector: Public Service

Application category

Industrialization of developments

The Need

Pôle Emploi constantly develops and maintains its information system. Pôle Emploi also needs to regularly improve its processes to remain in line with new government legislation relating to unemployment.

As part of a business application architecture updating process, the public service is seeking to industrialize its procedures and its JavaEE development methodology.

The objectives are multiple:

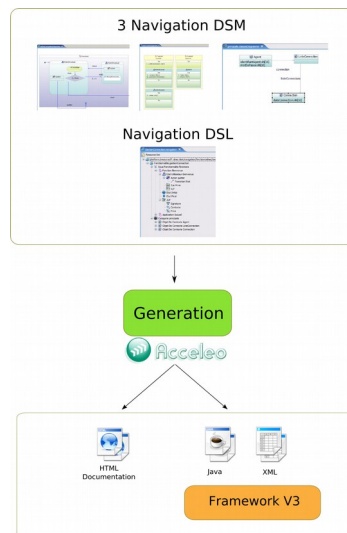
- reduce delivery times
- ensure that the applications produced fit squarely with business requirements
- mitigate project risks
- ensure greater control of subcontractor relations

The Solution

Obeo conducted the project for Pôle Emploi and supplied:

- A DSL tailored to the business language to address the Navigation, Data and Logics layers
- Customized GMF graphic modelers integrated into the design workbench
- Generators towards the Pôle Emploi framework

In parallel with this work, Obeo provided methodology development assistance.

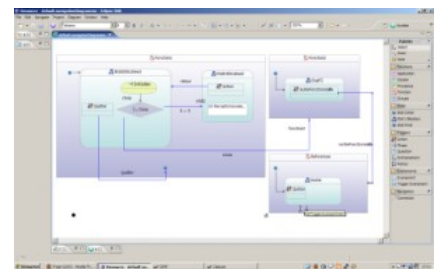


Development process

The Result

The workbench produced was initially used by business analysts (high-level modeling phase) and then by a subcontractor (modeling and development phase).

The solution is being implemented in 4 strategic projects, 3 of which on a subcontracted basis, for a volume of over 10,000 man-days. It enables simpler, more accurate modeling.



Pôle Emploi business modeling workbench

Technical environment

- Eclipse platform
- GMF graphic modelers
- Acceleo customized generators

Duration and costs for the development of the Navigation layer:

- Prototype: 35 man-hours - Industrial version: 95 man-hours
- Duration: 5 months

Workbench in production and constantly upgraded since 2007