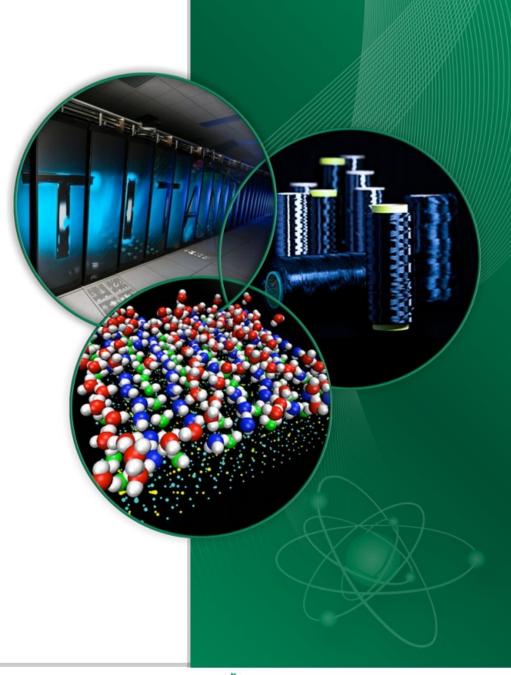
A Screenshot Tour of the Science Working Group

Jay Jay Billings

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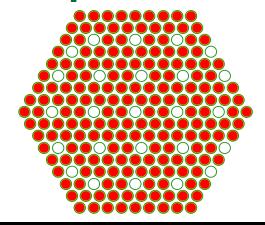
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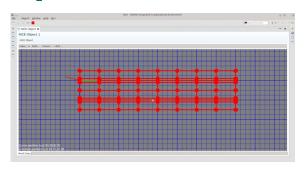


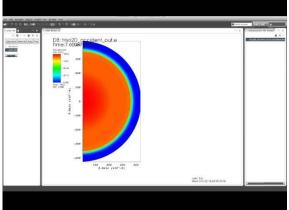


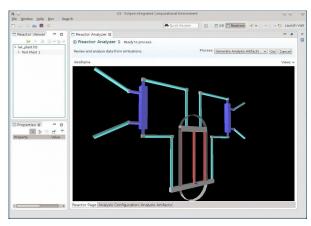


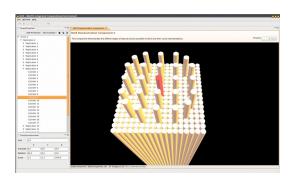
Eclipse ICE in 9 pictures or less

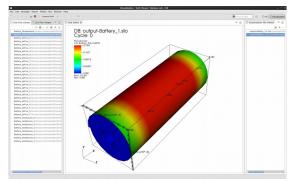


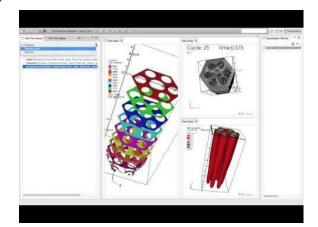


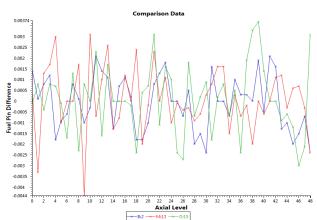


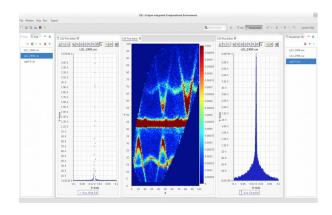


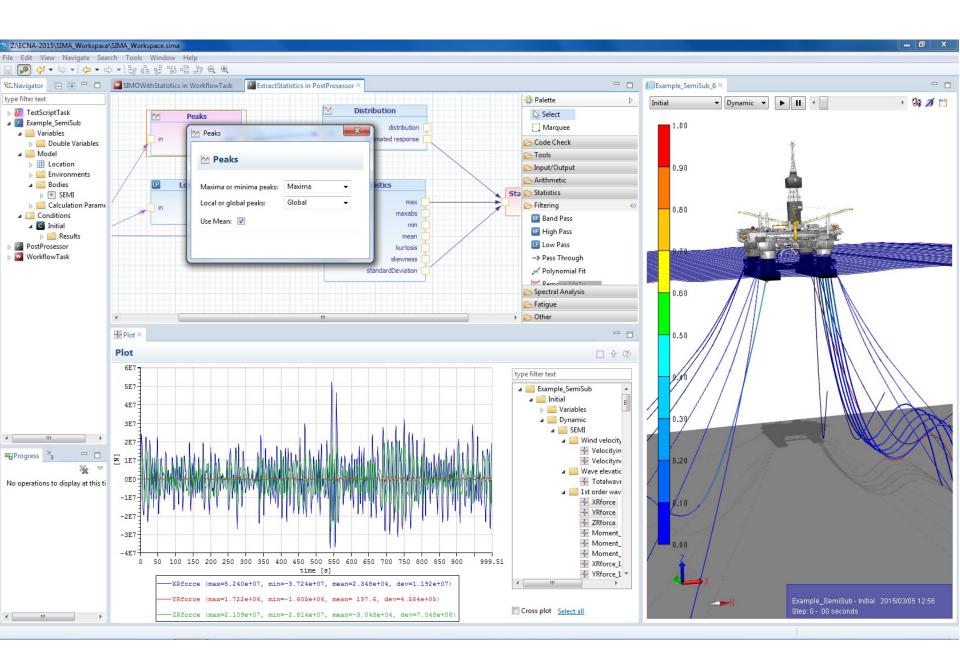


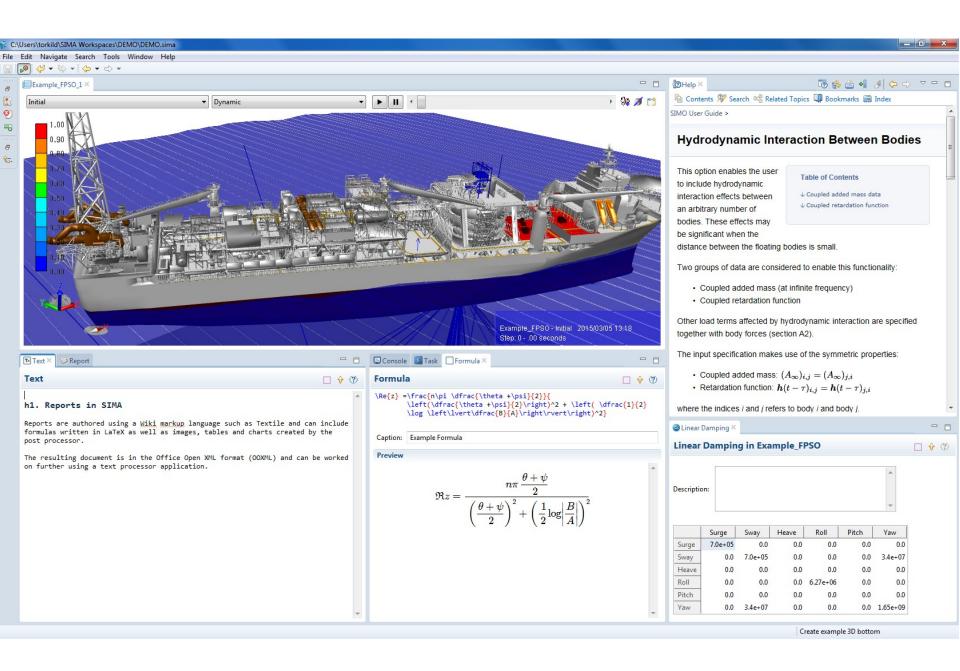






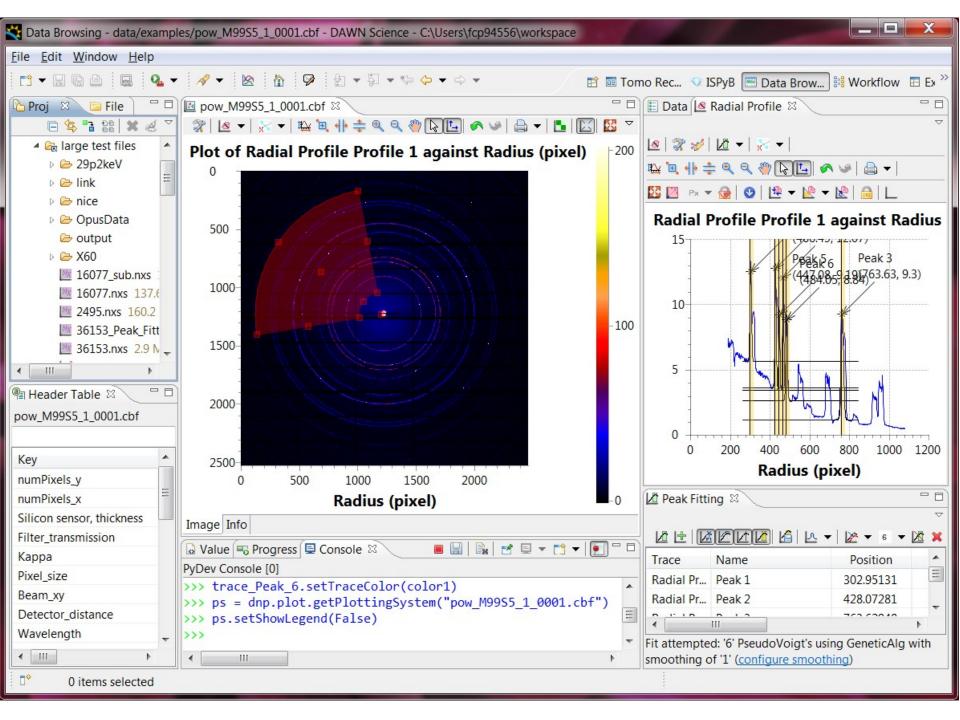












Eclipse RCP for the French Medical Research

Introduction

Till 25 years The French medical research for AIDES are leading trials of treatments or strategies of treatment on patients infected by HIV and/or hepatitis. To ensure a liable conservation, the sample collected were centralized in a big biobank which certifies the security and the quality of this precious material as the data associated.

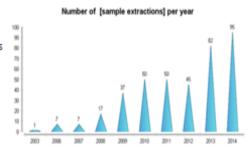
Goals

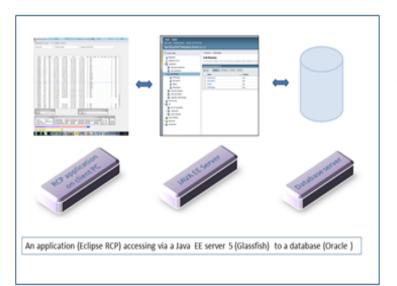
The purpose is to invent, develop and deploy a application which takes in charge the interlocked logistic and scientific process. A part of the challenge is to do an architecture solid enough to take charge of the two interlocked process and enough flexible to permit evolutions. The other part of the challenge is to offer the best service for the analysis.

How it is working

A list of rows (generally: protocol, patient or participant, date of sample, week) targeted by the analyses is confronted with the Samples Database. The programs are searching for the samples whose fit the best for those targets and establish the [Sample extraction]. As the [Sample extraction] is validated, the samples are extracted form the biobank.

Each [Sample extraction] conducts to an analysis, this leading to a publication in congress and/or scientific press.



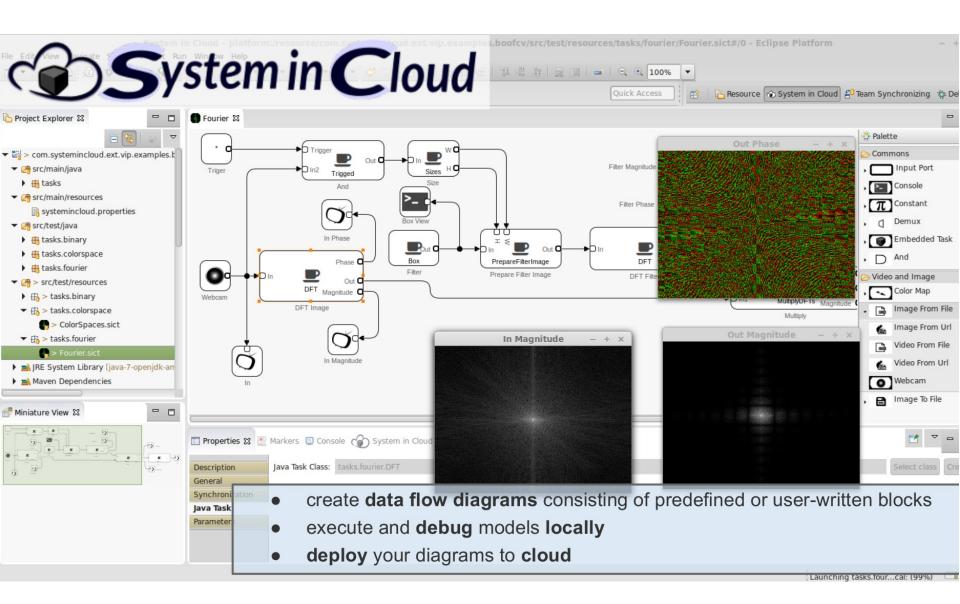


Eclipse RCP can be used for a dynamic and innovative process using

- · power & strength from a Oracle database,
- flexibility from eclipse RCP application
- security from a Glassfish Server
- · Oracle provides the strength and the persistence of a structured relational database (data tier).
- RCP plug-in offers all the features to develop ergonomic interfaces (presentation tier).
- The server Glassfish is mapping and hosting the EJB Beans (logicaltier)

^{*} The french medical research for AIDES includes INSERM (Institut National de Santé et de Recherche Medicale) and ANRS (France Recherche Nord&Sud Sida-HIV Hépatites)





UOMo - Units of Measurement

Science, Health/Fitness, QS

Smart Pill **Boxes** Near field Heartbeat Sensor **Sensor** Weight **Scales Blood Pressure Blood** Sugar OGC Sensor Web Enablement

- SensorML
- 0&M
- TransducerML
- GeographyML

Medical Smart

Services

Gateway

Internet of Things

Units of Measurements

Unicode Consortium

- CLDR
- ICU4J

Java Community Process

• JSR 275 / JSR 363

<u>UCUM/Regenstrief</u>

• Unified Code for Units of Measure



Any Questions?

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