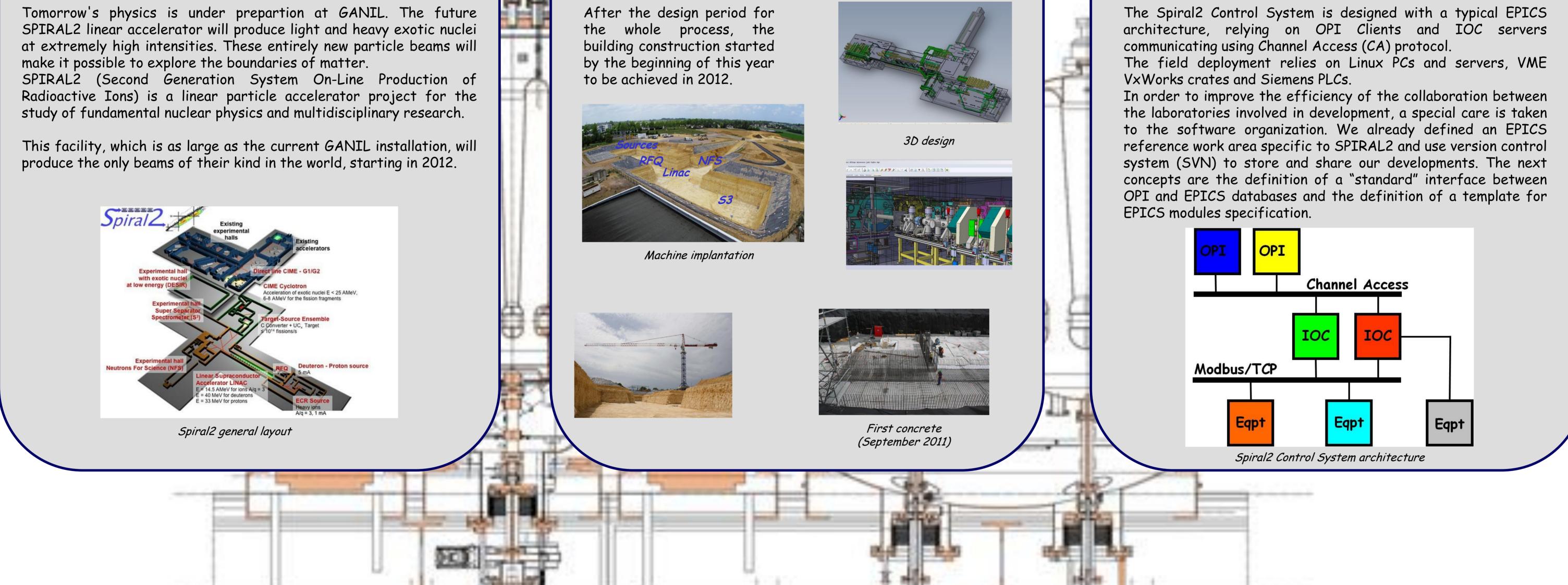


# Spiral2 control COMMAND: CNRS/IN2P3 A STANDARDIZED INTERFACE between high level applications and EPICS IOCs

C. Haquin, P. Gillette, E. Lemaître, L. Philippe, D. Touchard and the Ganil control group (Ganil / Caen, France) F. Gougnaud, J.F. Gournay, Y. Lussignol (CEA-IRFU / Saclay, France)

## The Spiral2 project

### Accelerator construction



### Spiral2 control system

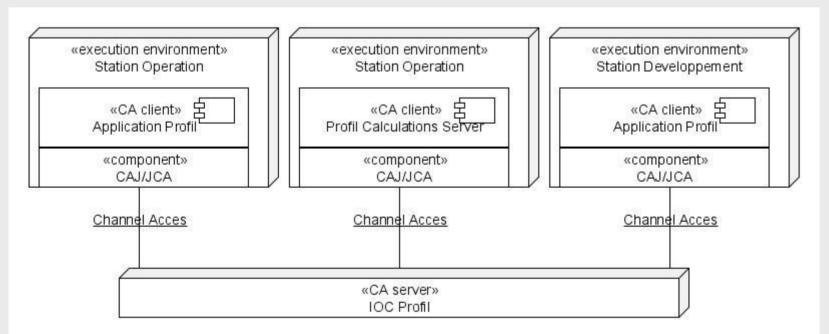
### **EPICS modules Specification template**

Here after, the main chapters of our EPICS modules specification template are exposed with a few words about the aim of each chapter.

The use of UML is illustrated with examples of extracted from the profiler module specification, which is our practice reference.

### 1 Requirements & Constraints

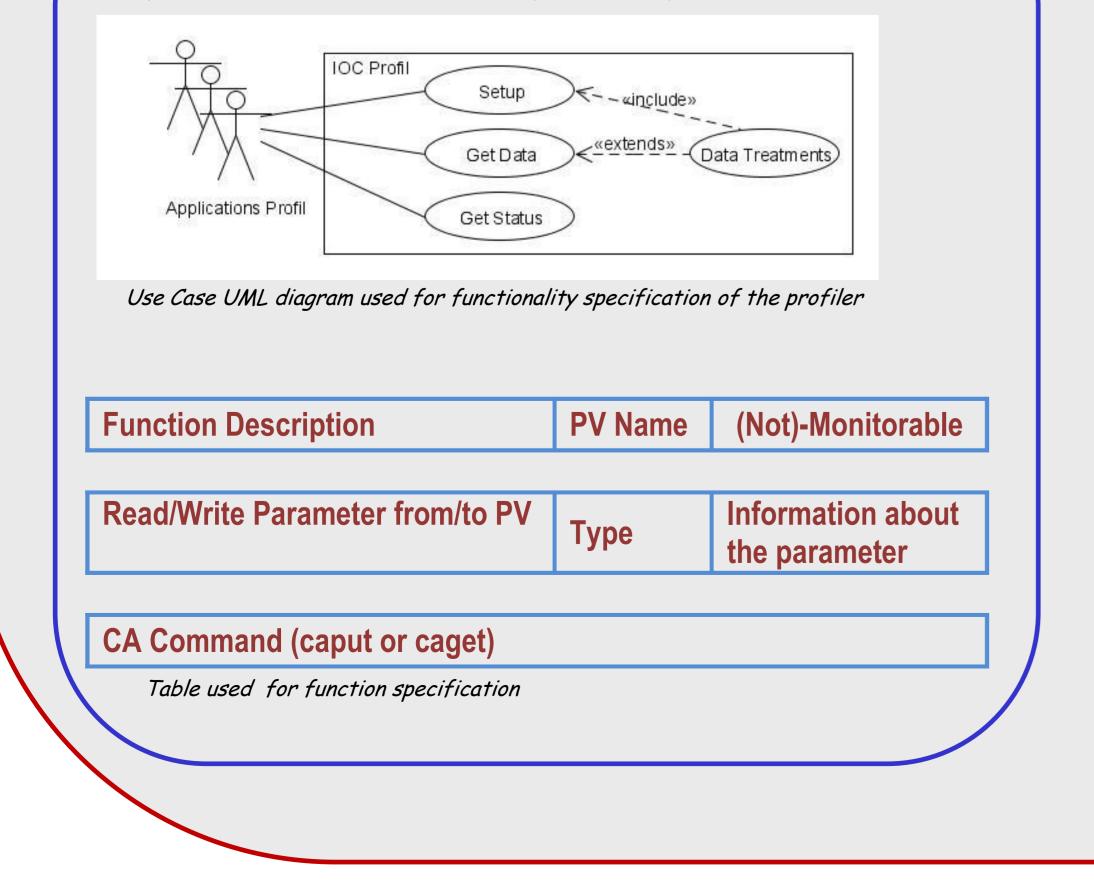
Definition of the general context of use Identification of HW constraints & SW dependencies Expression of performance requirements

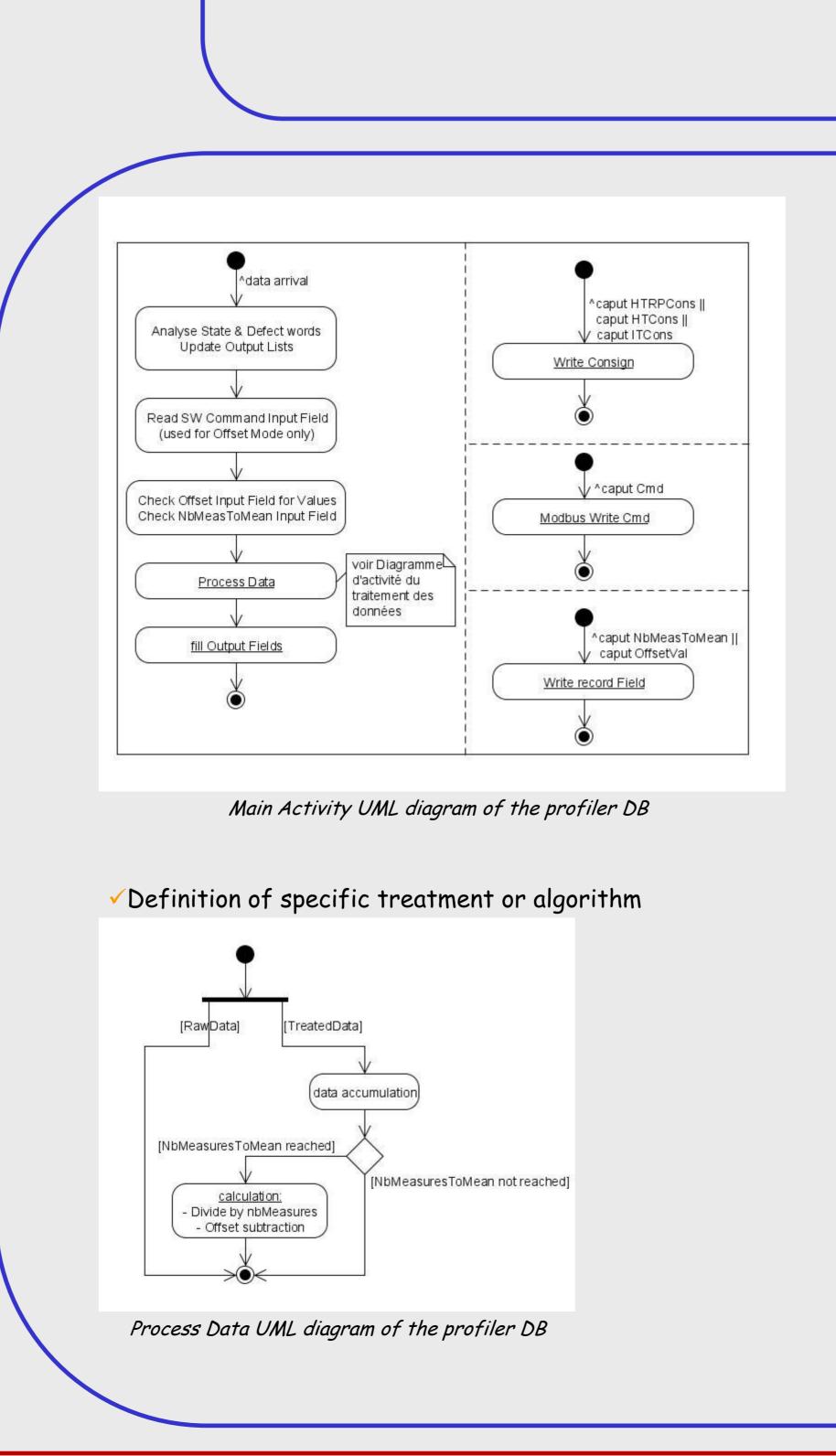


Deployment UML diagram used for context of use of the profiler

### **2** Functions Specification

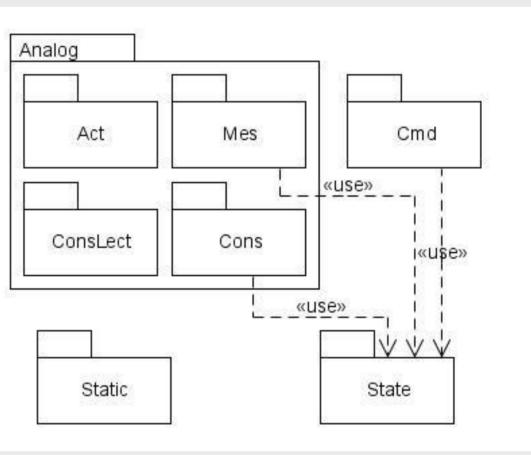
Specification of the functionality needed by OPI





### ♦ 3 Architecture : Static Model

Functional packages definition relying on stable data



Package UML diagram defined for the profiler DB

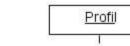
### **4** Architecture : Dynamic Model

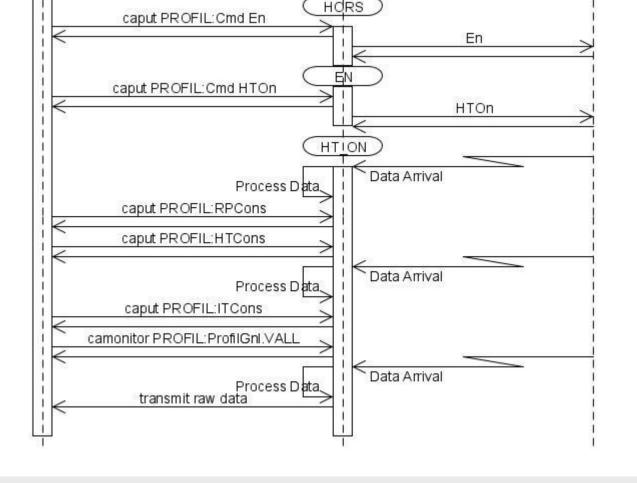
✓ Defines events triggering EPICS DB processing Defines the EPICS DB activities ✓Defines the sequence of activities execution

#### Guide user with functions calling sequences examples

profilGnlApp:PROFIL

Application	on
- ippriverer	211





Sequence UML diagram showing how to use of the profiler

