Workshop on Passerelle-EDNA integration

21th/22th september 2009

Goals of the meeting

- *"The EDNA plugin architecture contains execution and control elements. The use of a workflow system, like Passerelle, for building scientific workflows is very attractive as a replacement of the "hard coded" EDNA control plugins. The EMBL Grenoble has already started to study the possibilities of using the Kepler system that is an extension project based on Ptolemy , just like Passerelle. SOLEIL expertise on using such systems, and especially Passerelle can give a big advantage when evaluating the technology, or even later if EDNA chooses that technology for further developments."*

- "The goals for the EDNA collaboration in the September workshop is to evaluate Passerelle as a possible choice for a workflow tool for EDNA. "

Participants to the meeting

- **EDNA experts**
  - EMBL : Sandor Brokhauser
  - DIAMOND : Karl LEVIK
  - DIAMOND : Peter CHANG
  - ESRF: Andy Gotz
  - ESRF: Olof Svensson
- **ISENCIA**
  - Erwin de Ley
- **SOLEIL**
  - Head of computing division : B. Gagey
  - ICA group : Gwenaëlle Abeillé, Sandra Pierre-Joseph, Majid Ounsy , A. Buteau
  - PX1 beamline : A. Thompson

Head : Brigitte GAGEY

Assistants : Alice TOFFIN
& Gaëlle VAVASSEUR (part-time)

Systems & Communication
Philippe PIERROT

- **Systems Administration**
- **Micro-computing**
- **Scientific & technical computing facilities**
- **Networks & associated services**

5 engineers
5 technicians
SR group

Data Management
Jean-Marie ROCHAT

- **Management Information System**
- **Technical Information System**
- **Experimental Data Management tools**
- **Users tools**

4 engineers
3 technicians
GD group

Control & Data Acquisition Software
Alain BUTEAU

- **Process management**
- **Supervision**
- **Man-machine Interfaces**
- **System Administration of the CPCI crates and dedicated servers**

8 engineers
5 technicians
ICA group

Control & Data Acquisition Hardware
Pascale BETINELLI

- **CPCI crates**
- **PLCs, fieldbus**
- **Digital Electronics**
- **Analog Electronics**

5 engineers
4 technicians
ECA group

Participants to the meeting « plugins »

- Thanks to the extensible architecture of the meeting
  - *some plugins have been added*
  - *So other participants will be there during parallel sessions*

- Discussions on NeXus (visualisation components and metadata)
  - *Stéphane Poirier : in charge of NeXus projects at SOLEIL*
  - *Katy Saintin : in charge of GUI components in the ICA group*

- Tango DeviceServer code organisation
  - *S. Lê : in charge of CVS code organisation in the ICA group*
  - *V. Hardion : in charge of code integration in the ICA group*

- Grid discussions between SOLEIL and ESRF
  - *P. Pierrot : head of the System and Network group*

Agenda: Monday 21th . Room O6.1.01

- 09:30 - 09:45 INTRODUCTION (Alain)

- 09:45 - 10:15 EDNA Project (Olof)

- 10:15 - 10:45 Coffee break

- 10:45 - 11:15 PASSERELLE at SOLEIL (Majid)

- 11:15 - 12:00 PASSERELLE (Erwin)

- 12:00 - 14:00 lunch

- 14:00 - 15:00 : EDNA Test Case Elaboration (Andy Thompson)

- 15:00 - 18:00 Parallel sessions
  - *Workflow Implementation (Erwin + Gwen + Sandra +Olof + Karl ? + Sandor ?)*
  - *Tango DeviceServer source code organisation (Alain, Andy G , V.Hardion , S. Lë ?)*
  - *NeXus data visualisation components : SOLEIL and DIAMOND architecture and solutions (Peter + Majid+ Katy + Gregory+ Stephane +Céline). Room O1.1.09 (andromeda)*

- 09:00 - 12:00 Parallel sessions
  - *Passerelle-EDNA Software installation and tests on PX1 (Majid,Gwen,Sandra, Erwin,Olof,Sandor)*
  - *NeXus metadata : (Peter +   Stephane + Alain + Andy G ? , Celine). Room*
- 12:00 - 14:00 lunch
- 14:00 - 15:00 PX1 results analysis (Andy Thompson ?)
- 15:00 - 16:00 END SESSION
- 16:00 - 17:00 beamline visit ?

- I have tickets for the restaurant
- Guest network only through wires (no Wifi)
- Who will attend the dinner this evening ?
- When must you leave tomorrow ?