EDNA – Where are we and where are we going?
EDNA

Project Management

Modular / Plugins

Data Model / UML - Code

Workflow model

Testing Framework
EDNA Logo?
Project Management

- Well working:
  - Management structure, especially the Executive Committee
  - Project agreement
  - Coding convention
  - Video conferences
  - Development tools (bugzilla, SVN, Eclipse etc)
  - Web portal
  - Milestones / deliverables
  - Mailing lists
  - Meetings / workshops – without fundings!

- Not so well working:
  - Lack of developers!
    - Code reviews
    - New developments
  - Documentation!
  - Development status
Lack of documentation!
Modular / Plugins

• Well working:
  • Self-contained plugin structure (plugins, data model, tests etc)
  • Plugin loading
  • Plugin execution
  • One input and one result object
  • Plugin configuration

• Not so well working:
  • Dependency on EDNA_SITE
  • Input and output objects must be precisely defined in data model!
  • Plugin discovery (slow?)
  • Logging
  • Version check
Workflows

- Well working:
  - Control plugins for workflows
  - Parallel execution and synchronisation

- Not so well working:
  - No model for workflow → difficult to program and document
  - Parallel execution / synchronisation not easy to program
  - Exception handling approximative
  - → Workflow tool, Passerelle?
Data model framework

• Well working :
  • UML representation of data model
  • Data binding to Python and Java
  • Generic and specific data models

• Not so well working :
  • No copy method
  • Commercial application (Enterprise architect)
  • XSD data binding restrictive
  • → Eclipse EMF?
Testing framework

- Well working:
  - Plugin unit tests
  - Plugin execution tests
  - Automatic transfer of test data
  - Automatic execution of tests

- Not so well working:
  - Test logs
  - Version check
Where are we going?
Goals with this workshop:

- List of deliverables / milestones concerning:
  - Message bus for plugins - “on the fly” definition of input and result of plugins
  - Workflow tool
  - Logging - Future use of AALib
  - Plugin discovery – static like Eclipse?
  - Data modeling – Eclipse EMF?
  - GUI framework – Eclipse RCP?
To be avoided...