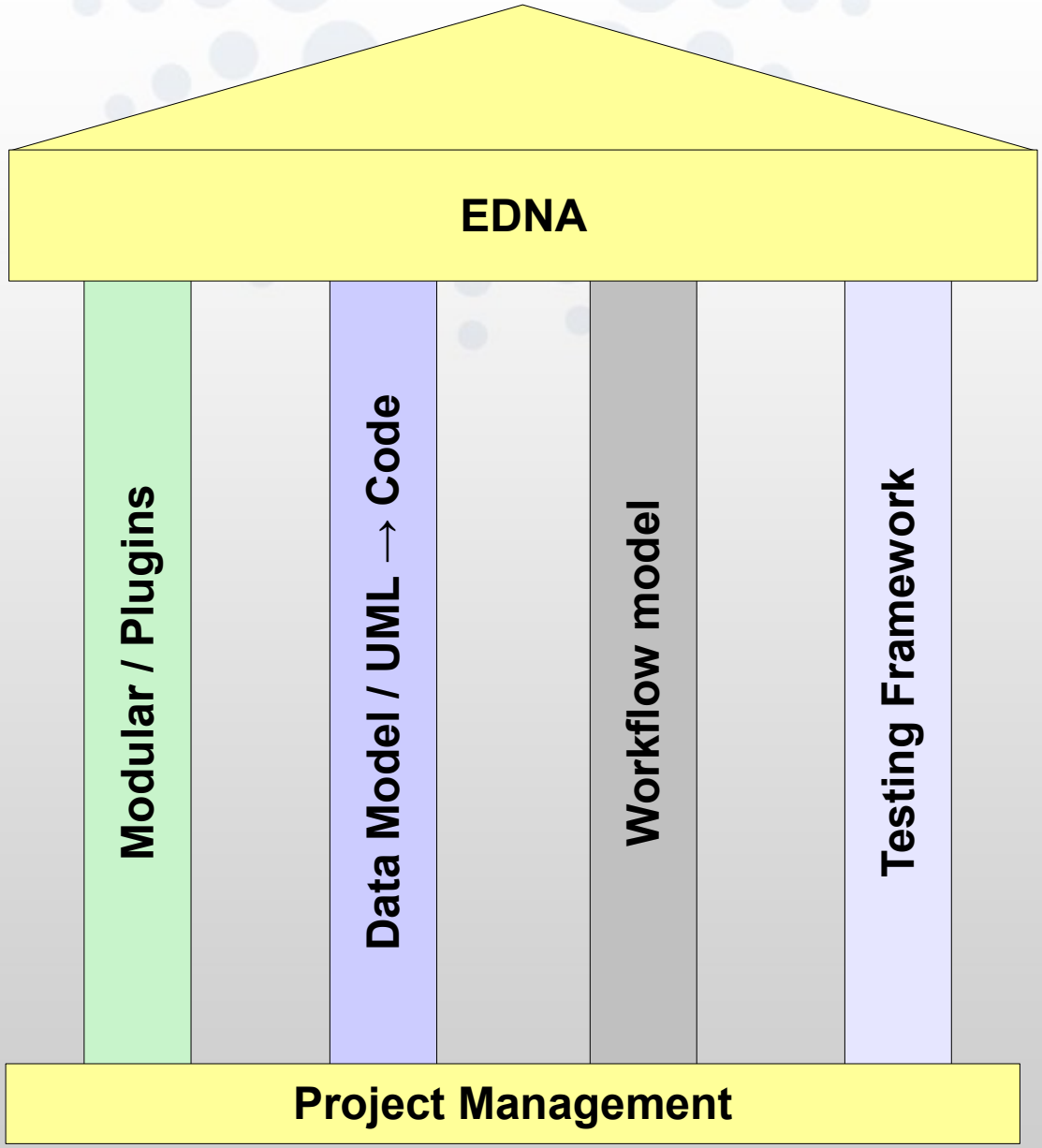
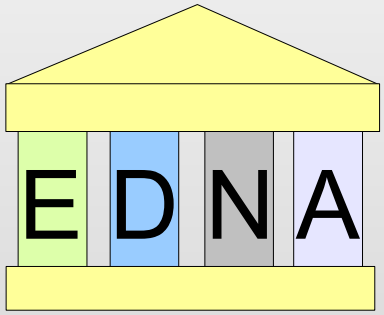
EDNA – Where are we and where are we going?


EDNA
Modular / Plugins
Data Model / UML → Code
Workflow model
Testing Framework
Project Management

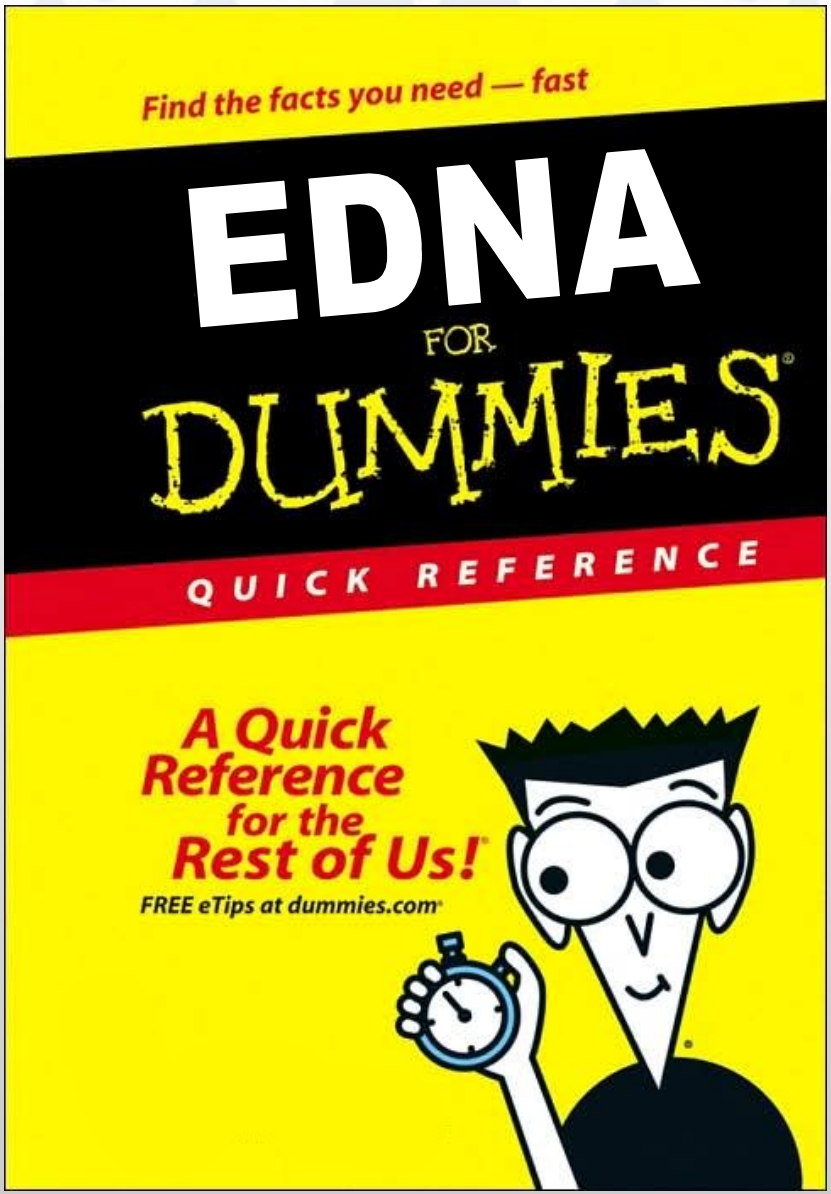
EDNA Logo?



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 ouput 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...