Welcome to OpenAlea documentation wiki pages!

You can find here basic guides and procedures for using openalea and visualea, together with instructions on how to develop your own package.

Wiki pages also contain brief presentations of currently available packages.

For a more complete documentation on alea components and packages, please visit

Sphinx documentation of stable release
Sphinx documentation of unstable development version
User Documentation
Developer Documentation
Administration Documentation
Formation
Publications
Highlights

Quick Start

Beginner's tutorial

Package documentation

Visit the Package repository.
Documentation is constantly upgraded. If you cannot find some information on the site, send us a Support Request.

You can also submit your documents you want to share. Contact the administrator.

sphinx documentation (full documentation of all packages) Visit the Sphinx documentation pages.
User Documentation  This section groups documents to install and use OpenAlea.

General documentation

User Guide
FAQ (frequently asked questions)
OpenAlea License
Changelog
Troubleshooting

Tutorials

Beginner's tutorial
Dataflow examples
Plant modeling demonstration directory

OpenAlea workshop

1st OpenAlea Workshop

Specific concerns

installation guide
python scripting
visual programming
how to change environment variable

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Developer Documentation

This section groups documentation for packages and core developers.

Main Guides

Developer Guide

Guidelines

architecture_description
charter
coding_guidelines
how_to_create_source_distribution_of_a_project
license_guidelines

Package creation/distribution

build_and_install_framework
development_environment
how_to_create_an_openalea_package
how_to_create_source_distribution_of_a_project
how_to_distribute_an_openalea_package
how_to_integrate_cpp_code_in_python
how_to_manage_data
how_to_use_java_and_python_together
methodology

Components creation

automatic_widget_creation_and_interfaces
component_naming_guidelines
how_to_declare_logical_components

Documentation and Tests

how_to_add_unit_tests_to_your_package
how_to_document_cpp_api
how_to_document_python_api
how_to_start_sphinx_documentation_of_your_module
sphinx_proposal

Tools

How to use SVN (subversion)

advanced_operations
continuous_integration
how_to_use_collaborative_tools
macosx_tips
pydistutils

Collaborative work

Weekly sprints

2013

Coding sprints summaries
Modelling sprints Summaries

Core Development

Concept definitions
Class Model
Propositions
Roadmap
Release process
Specific Procedure to create eggs
Administration Documentation

This section groups documentation for administration purposes.

Procedures

- Update the wiki
- Upload Sphinx documentation of a package
- favoris
- Release
- Todo
- How to test VisuAlea package
Publications

Publications  This section contains all publications associated to the OpenAlea Project and its components (white papers, workshops, presentations, etc).

2010
Introduction to OpenAlea: a platform for plant modelling, T. Cokelaer, C. Pradal, C. Godin, (IHC 2010 slides)


2009

Plant modelling with Python components in OpenAlea, T. Cokelaer, C. Pradal, C. Fournier EuroSciPy 2009 Slides

2008

OpenAlea: A visual programming and component-based software platform for plant modeling, C. Pradal, S. Dufour-Kowalski, F. Boudon, C. Fournier, C. Godin Functional Plant Biology WebSite

2007


2006


2004


In French

Communication

Logos, documentation, sphinx, papers, tutorial