

Oxalis governance

Subject in scope for the Oxalis governance model

Oxalis is used to implement a Peppol access point (AP). It can be used as a complete standalone Peppol access point solution - or as an API component.

Oxalis includes:

- Oxalis Basis: component based on the AS2 exchange protocol
- AS4 Plug-in
- A set of Peppol compliant building blocks.

NorStella facilitates governance and development of the Oxalis sample software, through:

- Ownership of Oxalis Basis & Oxalis AS4 Plugin, including the responsibility for keeping them publicly available for download and use.
- Ownership of the following GitHub repositories (containing the Oxalis source code), including the responsibility to facilitate the Oxalis Community in governing, maintaining and further developing the source code as open-source software:
 - <https://github.com/OxalisCommunity/oxalis>
Repository for maintenance and further development of the Oxalis basis software. This is a public repository providing open access to source code, issue list, changelog etc.
 - <https://github.com/OxalisCommunity/Oxalis-AS4>
Repository for maintenance and further development of the Oxalis AS4 Plug-in. This is a public repository providing open access to source code, issue list, changelog etc.
 - <https://github.com/OxalisCommunity/vefa-peppol>
Repository for maintenance and further development of Peppol specific building blocks used in the Oxalis Basis software and in other open-source software products¹. This is a public repository providing open access to source code, issue list, changelog etc. The repository is used by other open-source code developers as well.
 - <https://github.com/OxalisCommunity/oxalis-as4-confomancetest>
Repository used to conformance test the Oxalis AS4 plug-in during

¹ Amongst other the European Commission are using the elements in this repository in order to ensure Peppol compliance of their Domibus solution (<https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/Domibus>).



development. This is an internal (hidden) repository available only for the core team maintaining the Oxalis AS4 plug-in.

Subjects not in scope

The Oxalis community will not at the current stage provide payable services like development or support activities.

The Oxalis Community

NorStella have facilitated the establishment of an Oxalis community who is both willing and able to take responsibility for governing the maintenance and further development of the Oxalis software. The Oxalis software handed over is to be maintained and further developed under existing licensee rules:

- a. LGPL3.0 [https://tldrlegal.com/license/gnu-lesser-general-public-license-v3-\(lgpl-3\)](https://tldrlegal.com/license/gnu-lesser-general-public-license-v3-(lgpl-3))
- b. EUPL1.1 <https://tldrlegal.com/license/european-union-public-licence>

Current organization

The maintenance and development activities are organized as open-source development governed by the Oxalis Management Team (OMT), elected annually by Oxalis Community members.

The OMT is responsible for operational governance including, but not limited to, QA & Test Management, Process & Tool and Support activities. The OMT is also currently functioning as Change Management Board (CMB).

They are also responsible for strategic governance including, but not limited to, product strategy, roadmap and community management.

The team consist of one chair and four members elected from and by the Oxalis Community gold members.

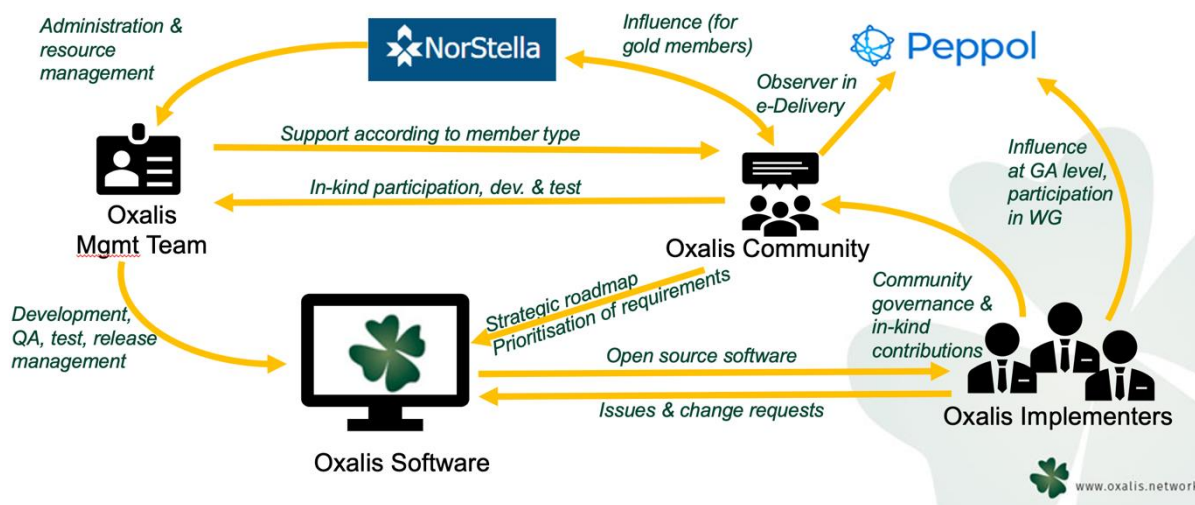


Figure 1: Oxalis ecosystem inter-relations

Strategic roadmap for sustainability of the software

Strategic roadmap for development activities is compiled and maintained by OMT, based on input from the community and surveillance of development and requirements from OpenPeppol.

The overall goal is to present value for Oxalis implementers and to secure Peppol compliance.

Peppol Compliance

Peppol compliance is the core focus for the maintenance and further development of the software components.

The Oxalis basis software and AS4 plug-in are maintained proactively to ensure that they continue to be Peppol compliant. The Peppol compliance is maintained proactively, and with a first mover attitude². Maintenance and further development of the library of Peppol specific building blocks are continued, and kept open for other software implementers, such as the European commission.

To ensure early access to information about the developments of the Peppol standards, NorStella is a member OpenPeppol on behalf of the Oxalis Community, actively participating in the eDEC community.

² This responsibility includes ensuring that the VEFA-Peppol GitHub library, as well as the Oxalis Basis and AS4 software are updated as soon as practically possible when changes are formally introduced by Peppol.

High level Governance principles

The Oxalis Community has established high level governance principles regarding decision structures, administration of the Oxalis Community, GitHub repositories and Change & Release Management.

The community is organised according to democratic not-for-profit principles and established as an independent/autonomous part of the NorStella association with independent budgets.

While most of the activities in the Oxalis community will be based on volunteer contributions from the members of the community and other users of the Oxalis software components, the Oxalis budget will give the OMT the opportunities to fund development activities that are prioritised but not picked up in the community.

Governance strategy

Oxalis Community governance strategy is based on Open Source software development principles, detailed in the following section.

These principles will be subject to a continuous improvement process in dialogue with the community.

Software development principles

The development organization is operating according to open-source principles:

- Anyone can download and use, participate and contribute to the software.
- The GitHub repositories are managed and continued high quality standards is assured by a technical expert assigned specifically to this task.
- Change requests from implementers are evaluated according to the common needs of the Oxalis Community and Peppol compliance.
- Minor releases will be managed using GitHub Milestone releases
- Major releases will be managed using GitHub projects.
- Separate projects are maintained for Change management.
- Changes to code that are necessary, but not picked up by the community will be managed in the Change Management Board (CMB)
- Members can participate in the discussions; Gold Members can vote over priority.

- The Oxalis community have some limited funds to support development.

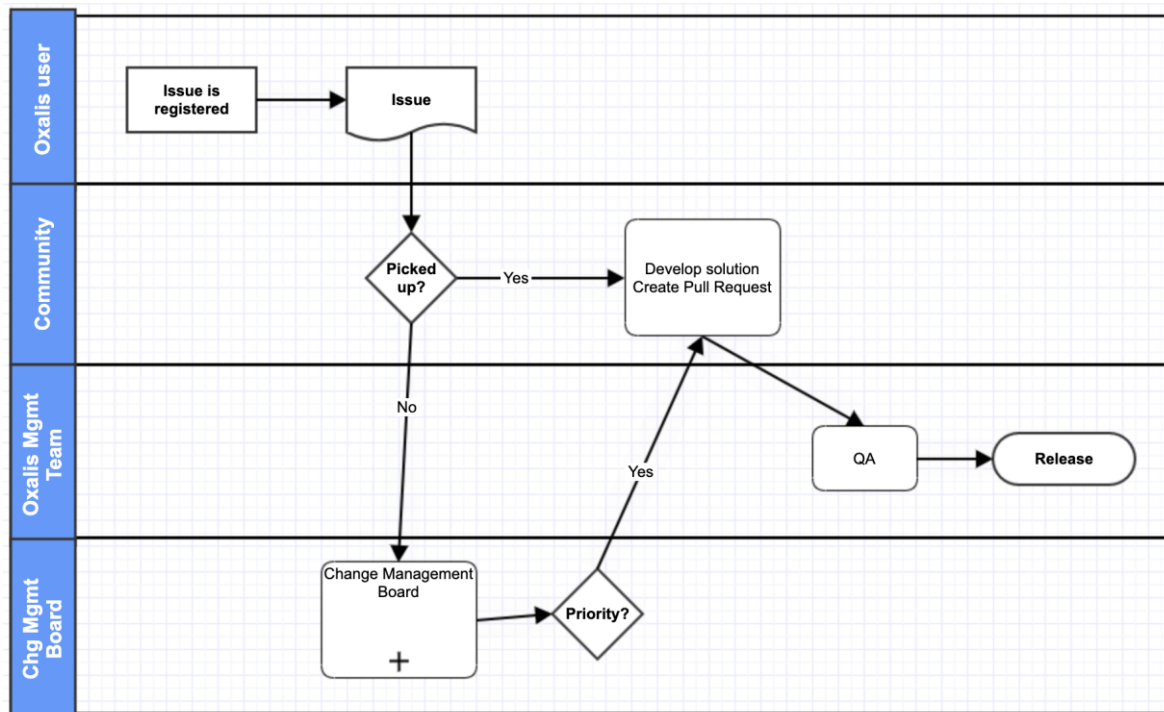


Figure 2: Issue process

Test and QA

Release candidates are made available to all members. Oxalis Community encourages and facilitates system- and interoperability testing done by members and non-members.

Oxalis Community has as its ambition that all major software releases is to facilitate and document interoperability test involving a minimum of 3 parties, along with test results for defined interoperability test scenarios.

Release management

The software is developed under a strict change- and release management regime.

A review will be performed by assigned members of the Oxalis Community before any changes are accepted into the official Oxalis code base and released. Code contributions will be managed using Pull Requests.