

Improve openSTEF documentation

Currently available documentation for openSTEF:

- Background documentation via [github.io](https://openstef.github.io/openstef/index.html): <https://openstef.github.io/openstef/index.html>
- LFE wiki: <https://wiki.lfenergy.org/display/OS/OpenSTEF>

Other projects for inspiration:

- Compas (LFE)
 - Almost no on LFE wiki
 - Most of documentation on <https://com-pas.github.io/contributing/>
- Operator Fabric (LFE)
 - Limited content on LFE wiki, mostly links to github.io docs
 - Documentation on <https://opfab.github.io/>
- SKforecast (very similar project)
 - Nice interface based on <https://squidfunk.github.io/mkdocs-material/>
- Numpy (major python open source project)
 - Dedicated website

Common content found in above projects

- Quick start on front page (numpy, skforecast, operatorfabric)
- Link to API reference (autogenerated docstrings) (numpy, skforecast, operatorfabric)
- Documentation pages for architecture/ high level concepts (all)
- Examples/tutorials (numpy, skforecast)
- Information about community (numpy, operatorfabric, compas)
- Information about latest releases including release notes (skforecast, operatorfabric, numpy(not on main page))

Desired documentation for openSTEF:

- Single website with:
 - Home page
 - How to obtain/install
 - Use cases
 - Quick start/getting started
 - User guide/documentation
 - Use cases
 - Concepts/Architecture
 - Description/manual how to run tasks
 - More complex manuals than quick start
 - Guide to develop/run locally
 - Document datamodel
 - Add definition of modelspec
 - Examples/Tutorials
 - Jupyter notebooks with examples and tutorials
 - API/reference
 - Auto generated API reference from docstrings
 - Community:
 - TSC
 - Roadmap
 - What are we going to do and when?
 - Sponsors
 - How to contribute/Contributors guide
 - Style guides
 - Project governance
 - Special part for companies
 - Releases
 - Automatically generated from GitHub release notes

Suggestion to use this instead of sphynx: <https://squidfunk.github.io/mkdocs-material/>

Overall conclusion

It seems many projects have many different ways of documenting. Most projects have a single webpage for all project information. Investigated LFE projects have the LFE wiki and a separate code documentation via github.io. Operatorfabric has done this nicely, they keep the content of the LFE wiki at a minimum and link to their github.io docs page. This is a nice way of organizing documentation as it minimizes maintenance to a single place which could be largely auto generated.

TODO

- Expand tutorial section with description and links to notebooks in openSTEF/offline-examples
- Rename Code modules to API reference
- Add releases page, preferably auto generated
- Rename concepts section to User guide
- Add Community page
 - Link to TSC minutes on LFE page
- Minimize LFE wiki info and link where possible to [github.io](https://github.com) page
- Link to documentation from readmes