



HYDROLIB

Deltares

HYDROLIB | WP1-OSC





After-lunch mini-lecture series

Maarten Pronk, Ruben Dahm

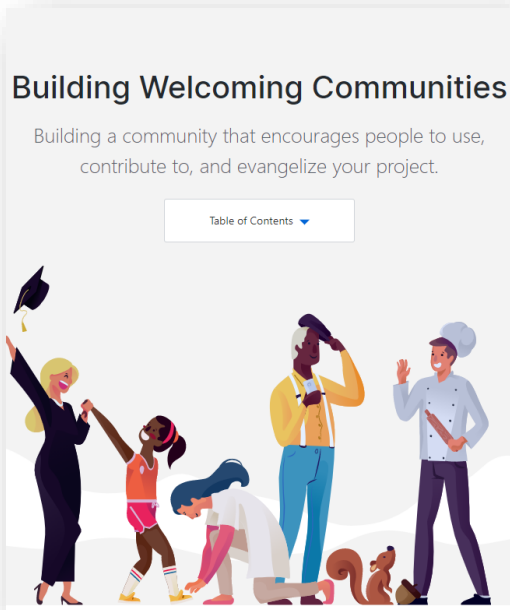
19 mei 2021



OSC | code of conduct 'After-lunch mini-lecture series'

-  **GoTo**Meeting
- De presentatie wordt opgenomen. Zolang alleen Deltares collega's spreken, mogen we de video delen.
- GoToMeeting neemt de deelnemers of het pop-up scherm van late binnenkomers niet op (fyi)
- Disclaimer → door deel te nemen geef je toestemming voor opname en verspreiding van de video aan de HYDROLIB consortium partners 
- Voor en tijdens de presentatie: demp je geluid en zet je camera uit 
- Vragen na afloop van de presentatie. Deltares beëindigt de opname voorafgaand aan de Q&A 

After-lunch mini-lectures



HYDROLIB als 'Open source community'

26 april

	 MIT	 GPLv3 Free as in Freedom
Type	Permissive	Copyleft
Provides copyright protection	✓ TRUE	✓ TRUE
Can be used in commercial applications	✓ TRUE	✓ TRUE
Provides an explicit patent license	✗ FALSE	✗ FALSE
Can be used in proprietary (closed source) projects	✓ TRUE	✗ FALSE

Licenties en IP

05 mei



Samen ontwikkelen op een platform

12 mei



Documentatie

19 mei



OSC | open source community

Building Welcoming Communities

Building a community that encourages people to use, contribute to, and evangelize your project.

Table of Contents ▾



HYDROLIB als 'Open source community'

```
master delft3dfmpy / delft3dfmpy / core / dfm.py / <> Jump to - Go to file ...
RuudHurkmans - structure time series in *.bc format; start of time series independ... Latest commit 53503b4 on 15 Mar History
3 contributors
1561 lines (1286 sloc) | 63 KB Raw Blame
1 import itertools
2 import logging
3 import os
4
5 import geopandas as gpd
6 import numpy as np
7 import pandas as pd
8 from tqdm.auto import tqdm
9 from scipy.spatial import KDTree
10 from shapely.geometry import LineString, Point, Polygon
11
12 from delft3dfmpy.converters import hydamo_to_dflowfm
13 from delft3dfmpy.core import checks, geometry
14 from delft3dfmpy.datamodels.common import ExtendedGeoDataFrame
15 from delft3dfmpy.datamodels.cstructures import meshgeom, meshgeomind
16 from delft3dfmpy.io import dfmreader
17 logger = logging.getLogger(__name__)
18
19 class DFlowFMModel:
20     """Main data structure for dflowfm model. Contains subclasses
21     for network, structures, cross sections, observation points
22     and external forcings.
23     """
24
25     def __init__(self):
26
27         self.mdu_parameters = {}
28
29         self.network = Network(self)
30
31         self.structures = Structures(self)
32
33         self.crosssections = CrossSections(self)
34
35         self.observation_points = ObservationPoints(self)
```




HYDROLIB

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HYDROLIB

Documentatie

Maarten Pronk



Context



**SAMEN AAN HYDROLIB
ONTWIKKELEN**



**BESTAANDE KEUZES
TOELICHTEN**



Documentatie

Keuzes

- Platform: mkdocs / sphinx, atlassian, wiki, ...
- Taal van documentatie: Engels, Nederlands
- Per repository

HYDROLIB

HYDROLIB-core



Documentatie: HYDROLIB-core

Keuze HYDROLIB-core

- Mkdocs
- Github
- Engels

hydrolib-core documentation

Introduction Changelog Guides Reference Topics Tutorials

Introduction

chat on gitter code style black ci passing

HYDROLIB-core is the core library of Python wrappers around the D-HYDRO model files (input and output) and model engines (kernel libraries).

Next Changelog →

Copyright © 2021 Deltares
Made with Material for MkDocs

<https://deltares.github.io/HYDROLIB-core/>



Documentatie: HYDROLIB

Keuze HYDROLIB

- Mkdocs
- Github
- Engels

Maar voor deelapplicatie indien wenselijk/bestaand

- extern
- Nederlands
- Wel introductie + verwijzing

<https://deltares.github.io/HYDROLIB/>



Documentatie: HYDROLIB

deltares.github.io/HYDROLIB/

HYDROLIB documentation

Introduction Changelog Guides Reference Topics Tutorials

Introduction

chat on gitter code style black ci failing

HYDROLIB is a Python package with tools for preprocessing, postprocessing and analysis of hydrodynamical data and simulation results, currently focused on (but not restricted to the D-HYDRO Suite for hydrodynamical simulations). HYDROLIB builds upon the basic D-HYDRO I/O functionality provided by the [HYDROLIB-core](#) package.

- Deelapplicatie 1
- Deelapplicatie 2
- Deelapplicatie 3
- ...

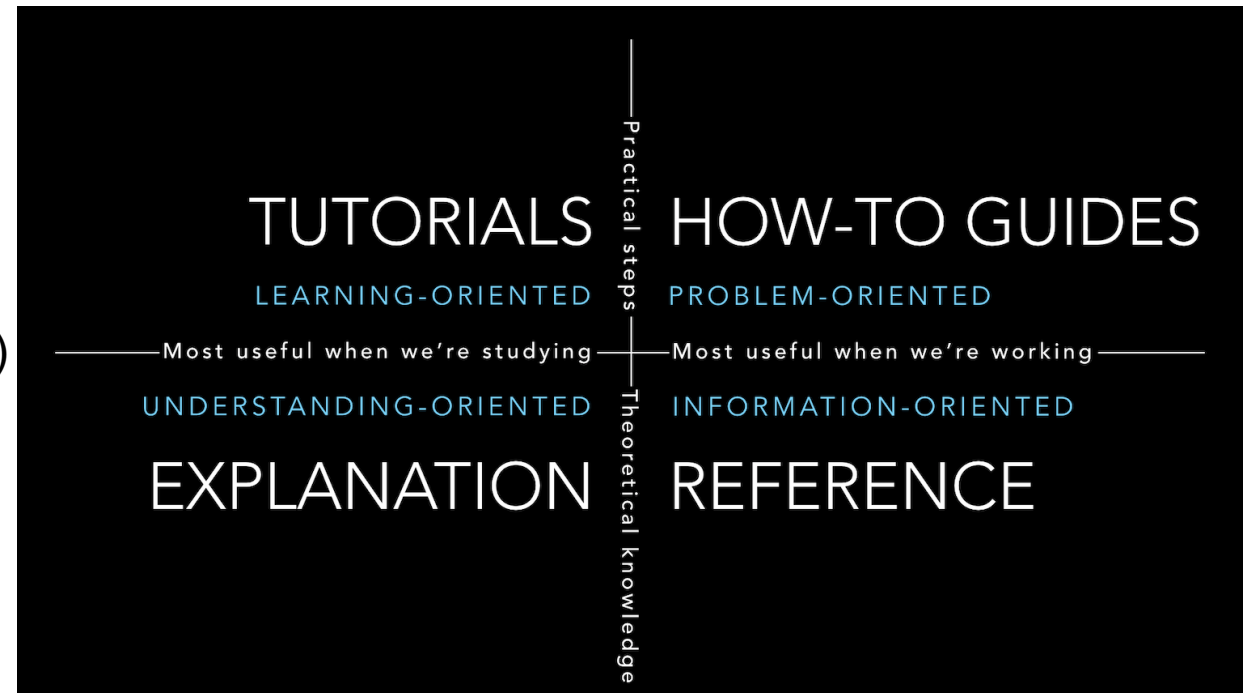


Documentatie: HYDROLIB

Types documentatie

- Tutorial (maak je eerste model)
- How-to (hoe installeer je hydrolib)
- Explanation/Topics (architectuur keuzes)
- Reference (API/functie documentatie)

<https://documentation.divio.com/>





GitHub

- Centrale git opslag server
- Project management
- Sociaal platform
- Open source community

Deltares















The screenshot shows the GitHub interface for the repository 'Deltares / HYDROLIB'. At the top, there is a search bar and navigation links for Pulls, Issues, Marketplace, and Explore. Below this, the repository name is displayed along with statistics: 5 watchers, 1 star, and 1 fork. A navigation bar includes links for Code, Issues, Pull requests, Actions, Projects (1), and Wiki. The main content area shows a file browser for the 'main' branch. A red box highlights the 'docs' folder, which was last updated 14 days ago with the commit message 'Added badges. Exclude venv from bla...'. Other files and folders listed include '.github/workflows', 'hydrolib', 'tests', '.gitignore', 'LICENSE', 'README.md', 'mkdocs.yml', and 'pyproject.toml'. On the right side, there is an 'About' section describing the project as 'Python wrappers around D-HYDRO Suite', a 'Releases' section with no published releases, a 'Packages' section with no published packages, and a 'Contributors' section listing 4 contributors: evetion, arthurvd, gitter-badger, and michalkleczeck.



Start

- Maak een Github account
- Stuur ons je @handle

- Stel je wil bijdragen aan de documentatie van een van de deelapplicaties:
 - Informeer de ‘trekker’ van die deelapplicatie
 - Indien die organisatie bijdragen van externen wil, dan kunnen ze je toegang geven tot het documentatieplatform.

<input type="checkbox"/>		Arjon Buijert Awaiting ABuijert's response	Pending Invite 
<input type="checkbox"/>		Arthur van Dam arthurvd	
<input type="checkbox"/>		Daniel Tollenaar d2hydro • Outside Collaborator	
<input type="checkbox"/>		Maarten Pronk evetion	
<input type="checkbox"/>		grongen Awaiting grongen's response	Pending Invite 
<input type="checkbox"/>		mattijn Outside Collaborator	
<input type="checkbox"/>		rhutten	
<input type="checkbox"/>		RuudHurkmans Outside Collaborator	
<input type="checkbox"/>		stefandevriesarcadis Awaiting stefandevriesarcadis's response	Pending Invite 
<input type="checkbox"/>		WSRL-HVG Awaiting WSRL-HVG's response	Pending Invite 



Documentatie: Markdown

Markdown

Opmaaktaal zoals gebruikt in mkdocs.

Alternatieven:

- RST
- Jira
- LaTeX

Zo **simpel** mogelijk.

Wordt overal op Github gebruikt, ook in `issues` en `PRs`.

Voor meer informatie zie de

[Guide](<https://guides.github.com/features/mastering-markdown/>).

Deltares

Markdown

Opmaaktaal zoals gebruikt in mkdocs.

Alternatieven:

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Voor meer informatie zie de [Guide](#).

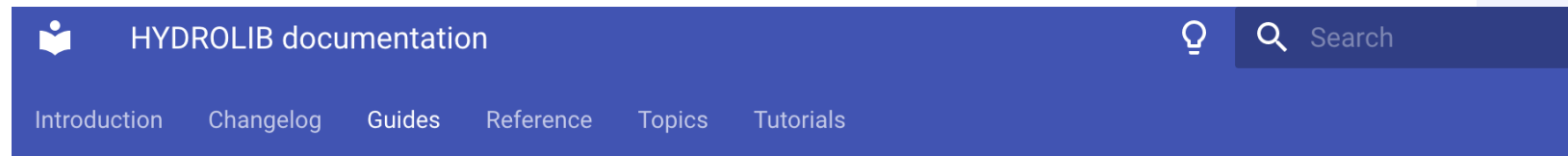


Documentatie: mkdocs

Demo

- Local, with editor and mkdocs
- Online on Github

<https://deltares.github.io/HYDROLIB/guides/documentation/>



Guides

Contributing

[Documentation](#)

Installation

Documentation

We use MKdocs for documentation. For full documentation visit mkdocs.org.

Commands

- `mkdocs new [dir-name]` - Create a new project.
- `mkdocs serve` - Start the live-reloading docs server.
- `mkdocs build` - Build the documentation site.
- `mkdocs -h` - Print help message and exit.

Project layout



OSC | meer weten?

The screenshot shows the GitHub repository page for 'deltares/HYDROLIB'. The page title is 'HYDROLIB documentation'. The navigation menu includes 'Introduction', 'Changelog', 'Guides', 'Reference', 'Topics', and 'Tutorials'. The main content area is titled 'Introduction' and contains the following text: 'HYDROLIB is a Python package with tools for preprocessing, postprocessing and analysis of hydrodynamical data and simulation results, currently focused on (but not restricted to the D-HYDRO Suite for hydrodynamical simulations). HYDROLIB builds upon the basic D-HYDRO I/O functionality provided by the HYDROLIB-core package.' There are also links for 'chat on gitter', 'code style black', and a 'failing' status indicator.

The screenshot shows the MkDocs website. The page title is 'MkDocs' with the subtitle 'Project documentation with Markdown.' The navigation menu includes 'MkDocs', 'Home', 'User Guide', and 'About'. The main content area is titled 'Overview' and contains the following text: 'MkDocs is a **fast simple** and **downright gorgeous** static site generator that's geared towards building project documentation. Documentation source files are written in Markdown, and configured with a single YAML configuration file. Start by reading the introduction below, then check the User Guide for more info.' There are also sections for 'Host anywhere', 'Great themes available', 'Preview your site as you work', and 'Easy to customize'.

<https://deltares.github.io/HYDROLIB-core/>

<https://deltares.github.io/HYDROLIB/>

<https://www.mkdocs.org/>

<https://guides.github.com/features/wikis/>

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Wil je meer weten over een onderdeel van HYDROLIB?
Wil je zelf iets delen met onze community?

Suggesties zijn welkom!

HYDROLIB als 'Open source community'

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Documentatie

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05 mei

12 mei

19 mei



Vragen? Reacties?

HYDROLIB Samen ontwikkelen op een platform

HYDROLIB Contact



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