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# **geowatch Documentation**

***Release 0.14.2***

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The GEOWATCH module

The GEOWATCH Gitlab Repo	<a href="https://gitlab.kitware.com/computer-vision/geowatch/">https://gitlab.kitware.com/computer-vision/geowatch/</a>
Pypi	<a href="https://pypi.org/project/geowatch/">https://pypi.org/project/geowatch/</a>
Read the docs	<a href="https://geowatch.readthedocs.io">https://geowatch.readthedocs.io</a>
Slides	Software Overview Slides and KHQ Demo Slides

Main modules of interest are:

- `geowatch.cli`
- `geowatch.mlops`
- `geowatch.tasks`

Main Tasks:

- `geowatch.tasks.fusion`
- `geowatch.tasks.tracking`

Supported Feature Tasks:

- `geowatch.tasks.cold`
- `geowatch.tasks.depth`
- `geowatch.tasks.depth_pcd`
- `geowatch.tasks.dino_detector`
- `geowatch.tasks.invariants`
- `geowatch.tasks.landcover`
- `geowatch.tasks.mae`
- `geowatch.tasks.rutgers_material_seg_v2`
- `geowatch.tasks.sam`

Also see:

- `geowatch.gis`
- `geowatch.geoannots`
- `geowatch.demo`
- `geowatch.stac`
- `geowatch.utils`
- `geowatch.utils.lightning_ext`
- `geowatch.utils.lightning_ext.callbacks`

You probably wont need:

- `geowatch.rc`
- `geowatch.monkey`

```
# Useful environs

DVC_DATA_DPATH=$(geowatch_dvc --tags='phase2_data' --hardware=auto)
DVC_EXPT_DPATH=$(geowatch_dvc --tags='phase2_expt' --hardware=auto)
HIGHRES_DVC_EXPT_DPATH=$(geowatch_dvc --tags='smart_drop7' --hardware=auto)
DATA_DVC_DPATH=$DVC_DATA_DPATH
EXPT_DVC_DPATH=$DVC_EXPT_DPATH

# To get the above make sure you have run:
geowatch_dvc add my_phase2_data_repo --path=<path-to-your-phase2-data-dvc-repo> --
↳hardware=hdd --priority=100 --tags=phase2_data
geowatch_dvc add my_phase2_expt_repo --path=<path-to-your-phase2-expt-dvc-repo> --
↳hardware=hdd --priority=100 --tags=phase2_expt
```

See Also:

- [Onboarding](#)
- [Contribution Instructions](#)
- [Rebasing Procedure](#)
- [Testing Practices](#)
- [Coding Conventions](#)
- [Supporting Projects](#)

Manual Docs:

- [algorithms/fusion\\_overview](#)
- [algorithms/sensorchan\\_specs](#)
- [algorithms/ta2\\_deep\\_dive\\_info](#)
- [baselines/baseline-2023-06-22-bas](#)
- [baselines/baseline-2023-06-22-joint\\_bas\\_sc](#)
- [baselines/baseline-2023-06-22-sc\\_truth](#)
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- `modindex`



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