```
─── pyAPES
    │
    ├── pyAPES_mlm.py          # Multi-layer ecosystem model
    ├── pyAPES_blm.py          # Big-leaf ecosystem model
    ├── parallelAPES.py        # parallelized multi-layer model
    │
    ├── microclimate           # canopy flow & scalar profiles, short- and long-wave radiation
    │   ├── micromet.py
    │   └── radiation.py
    │
    ├── canopy                 # canopy model
    │   ├── forestfloor.py
    │   ├── interception.py
    │   └── mlm_canopy.py
    │
    ├── leaf                   # leaf gas-exchange, stomatal conductance, energy-balance
    │   └── photo.py
    │
    ├── planttype              # vascular plants
    │   ├── phenology.py
    │   ├── planttype.py
    │   └── rootzone.py
    │
    ├── bottomlayer            # moss / litter layer
    │   ├── baresoil.py
    │   ├── carbon.py
    │   └── organiclayer.py
    │
    ├── snow                   # snowpack
    │   └── snowpack.py
    │
    ├── soil                   # soil profile or bucket
    │   ├── heat.py
    │   ├── soil.py
    │   └── water.py
    │
    ├── utils                  # physical constants, input-output functions, solvers
    │   ├── constants.py
    │   ├── iotools.py
    │   └── utilities.py
    │
    └── parameters             # model parameters
        ├── mlm_outputs.py
        ├── mlm_parameters.py
        ├── outputs_obs.py
        ├── parametersets.py
        └── parameter_tools.py

─── forcing
    ├── forcingdata.dat
    └── demofluxes.dat

─── Results                    # model outputs

─── examples                   # IPython Notebooks to demonstrate code usage
    │
    ├── Ex1_pyAPES_mlm.ipynb
    └── Ex5_moss_photosynthesis.ipynb

─── docs                       # documentation
```