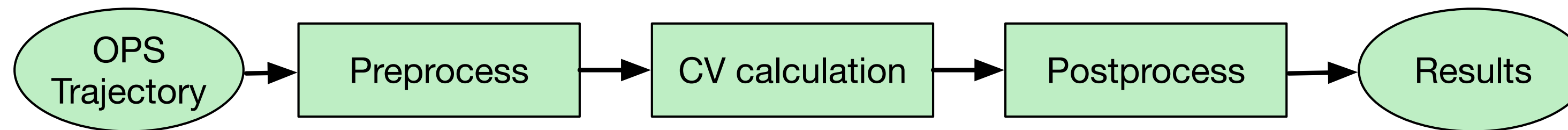


# Collective Variable API (2.0)

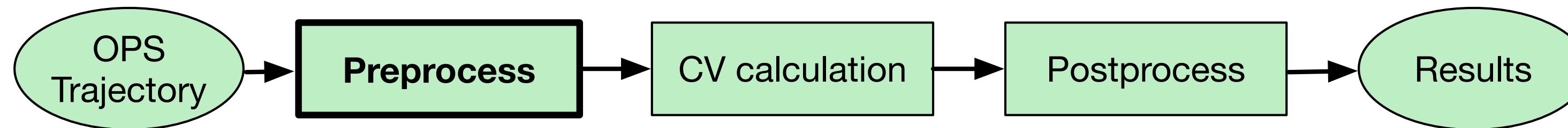
A pipeline with several points where you can create functions to restructure data.



Pre-/post-processing have per-snapshot and per-trajectory stages

*OPS wraps CVs for storage and serialization, and to ensure that expensive CVs are only calculated once.*

# Collective Variable API (2.0)



```
class MDTrajProcessor(Processor):
    def __init__(self, topology):
        """
        Parameters
        -----
        topology : :class:`.MDTrajTopology`
            an OPS MDTraj topology wrapper
        """
        super(MDTrajProcessor, self).__init__(name='mdtraj',
                                              stage='list-pre',
                                              func=self)

        self.topology = topology

    def __call__(self, values):
        top = self.topology.mdtraj
        return paths.Trajectory(values).to_mdtraj(topology=top)
```