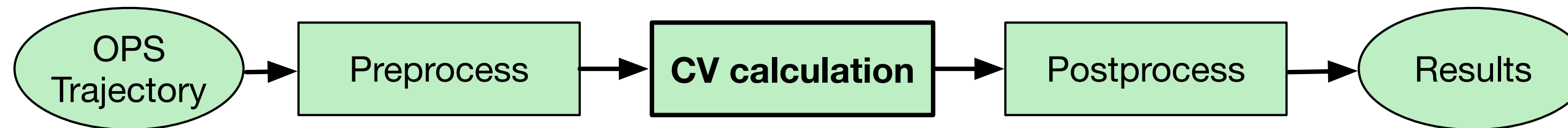# Collective Variable API (2.0)


```python
class MDTrajFunctionCV(CoordinateFunctionCV):
    def __init__(self, func, topology, func_config=None, period_min=None,
                 period_max=None, **kwargs):
        if func_config is None:
            func_config = StorableFunctionConfig([
                MDTrajProcessor(topology), wrap_numpy, scalarize_singletons,
            ])
        super(MDTrajFunctionCV, self).__init__(
            func,
            func_config=func_config,
            period_min=period_min,
            period_max=period_max,
            **kwargs
        )
        self.topology = topology
        self.mdtraj_topology = topology.mdtraj

    def _eval_preprocessed_list(self, preprocessed):
        return self.func(preprocessed, **self.kwargs)

    def to_dict(self):
        dct = super().to_dict()
        dct['topology'] = self.topology
        return dct
```

How can you interface with OPS?

- Add support for your MD engine!

- Add CV wrappers for your analysis library!

- **Add a new CLI plugin to do anything you want!**