python-ihm
library updates
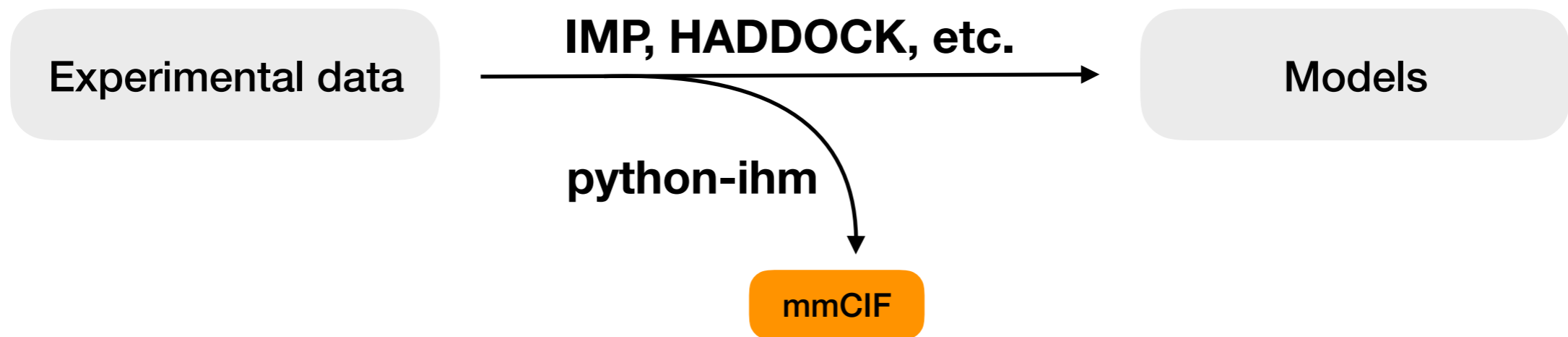
https://github.com/ihmwg/python-ihm
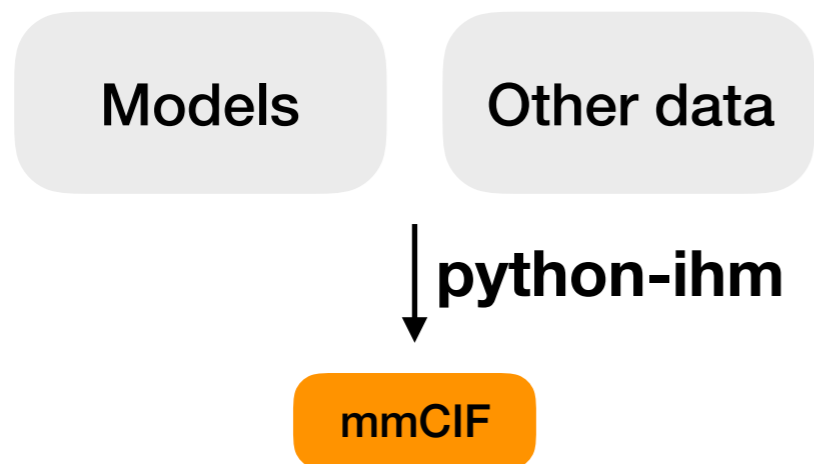
python-ihm overview

- Represents an IHM system as a set of Python classes

- Provides a mechanism to write these classes to an mmCIF file, or to read classes from mmCIF

- Intended to be used as a translation layer within modeling or visualization software, or standalone
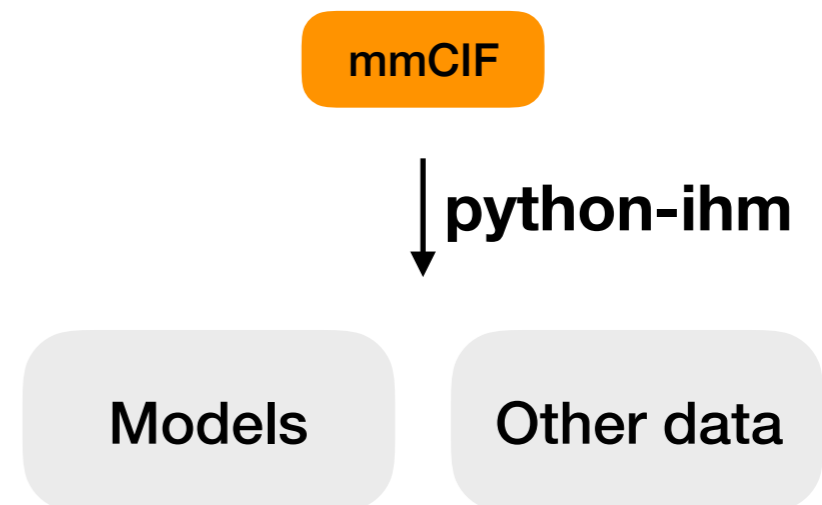
Usage

1. As part of existing modeling software

Experimental data → **IMP, HADDOCK, etc.** → Models

python-ihm

mmCIF

2. Standalone

Models   Other data

python-ihm

mmCIF

3. Input

mmCIF

python-ihm

Models   Other data

New features

- Full mmCIF read support

  - Reasonably fast mmCIF parsing (C accelerated)

- Full read/write support for BinaryCIF,
  https://github.com/dsehnal/BinaryCIF

  - Same data, categories as mmCIF, but a binary
    (msgpack) file

Availability

- Open source at GitHub:
  https://github.com/ihmwg/python-ihm

- Or install via pip:

```
pip install ihm
```