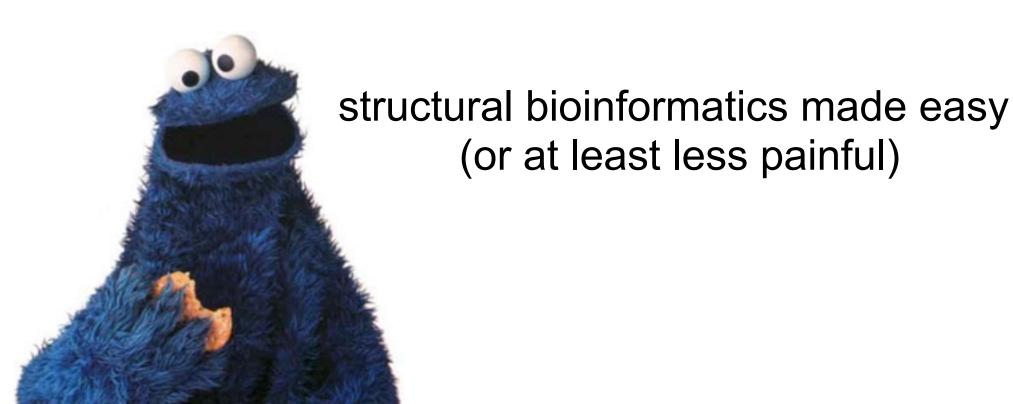
BisKit

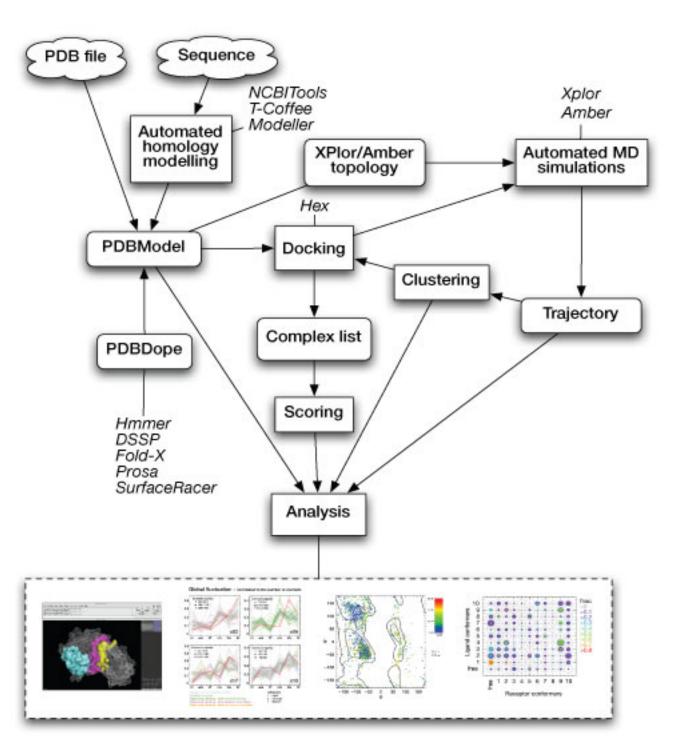


The story of Biskit



Overview

- pythonic handling of ...
 - o structures
 - o complexes
 - o trajectories
 - 0 ...
- efficient number crunching
- wrapping external programs
- data integration
- workflows
- parallelization



Content

- 1. Handling Structures (PDBModel)
 - o load, inspect, associated data (profiles)
 - o select, compress, slice, concatenate
 - o rms, fitting, comparing

C

- 2. Adding data (PDBDope)
 - o surface areas, secondary structure, conservation

C

3. Persistence & Pickling

0

- 4. Trajectories
 - o Amber tools
 - o rms, fluctuations, fitting
 - o select, compress, slice, concatenate
 - o cluster

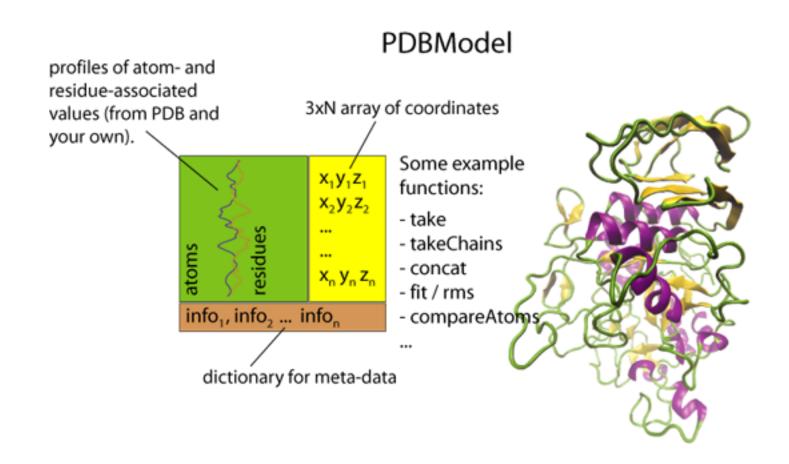
C

5. Advanced topics

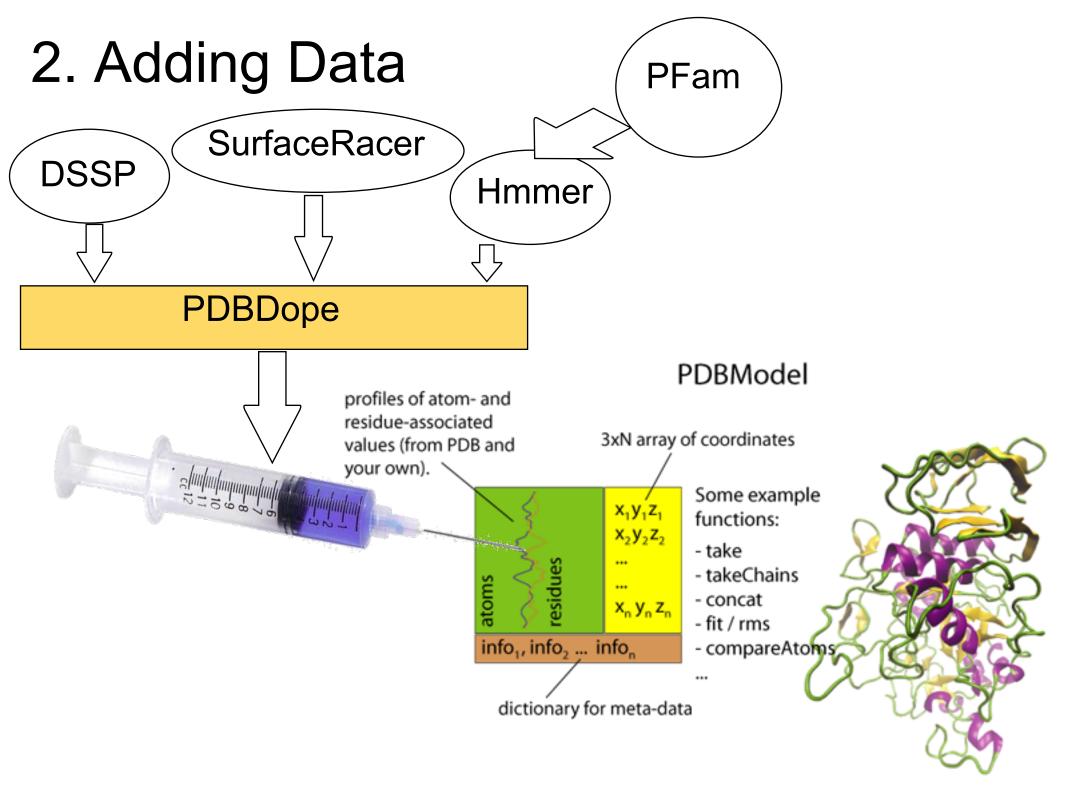
C

6. biskit 3.0

1. Handling Structures



2. Adding Data

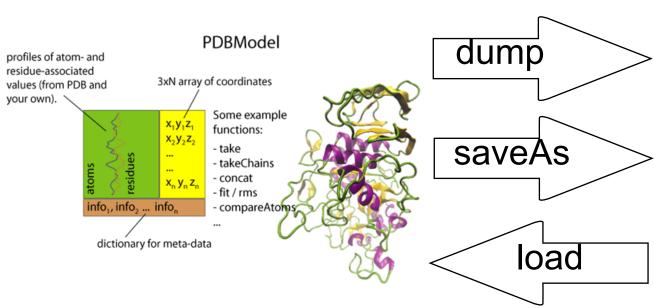


Persistence & Pickling



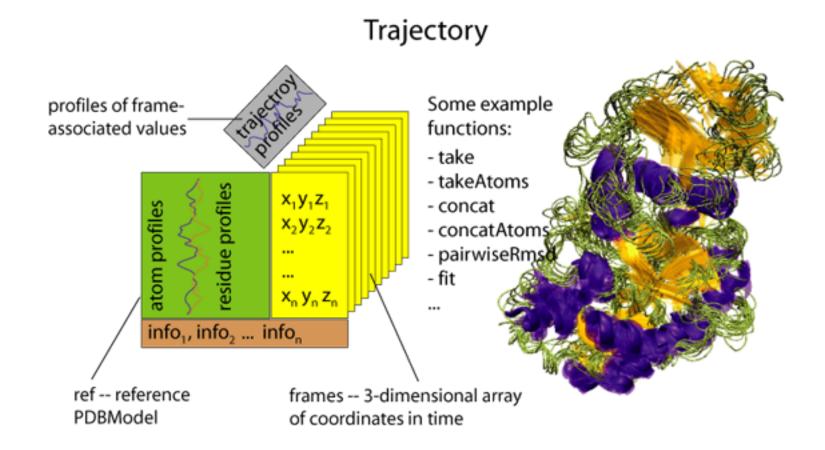
Persistence & Pickling





4. Trajectories

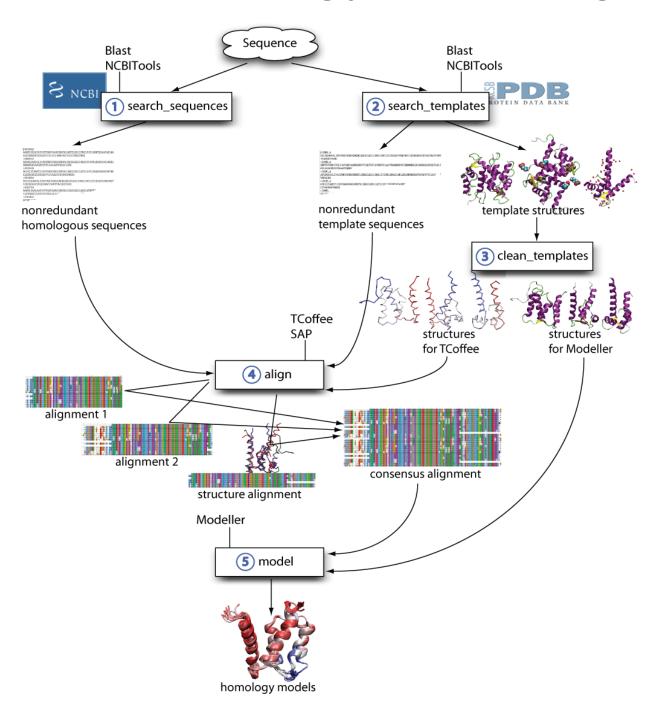
4. Trajectories



Advanced Topics

- Protein-Protein Complexes and Docking
- Homology Modeling

Automatic Homology Modeling



biskit 3.0

- Biskit -> biskit
- python 3.0 compatibility
- setup.py installer
- use python Properties
- usability -- your feedback!
- documentation -- your feedback!