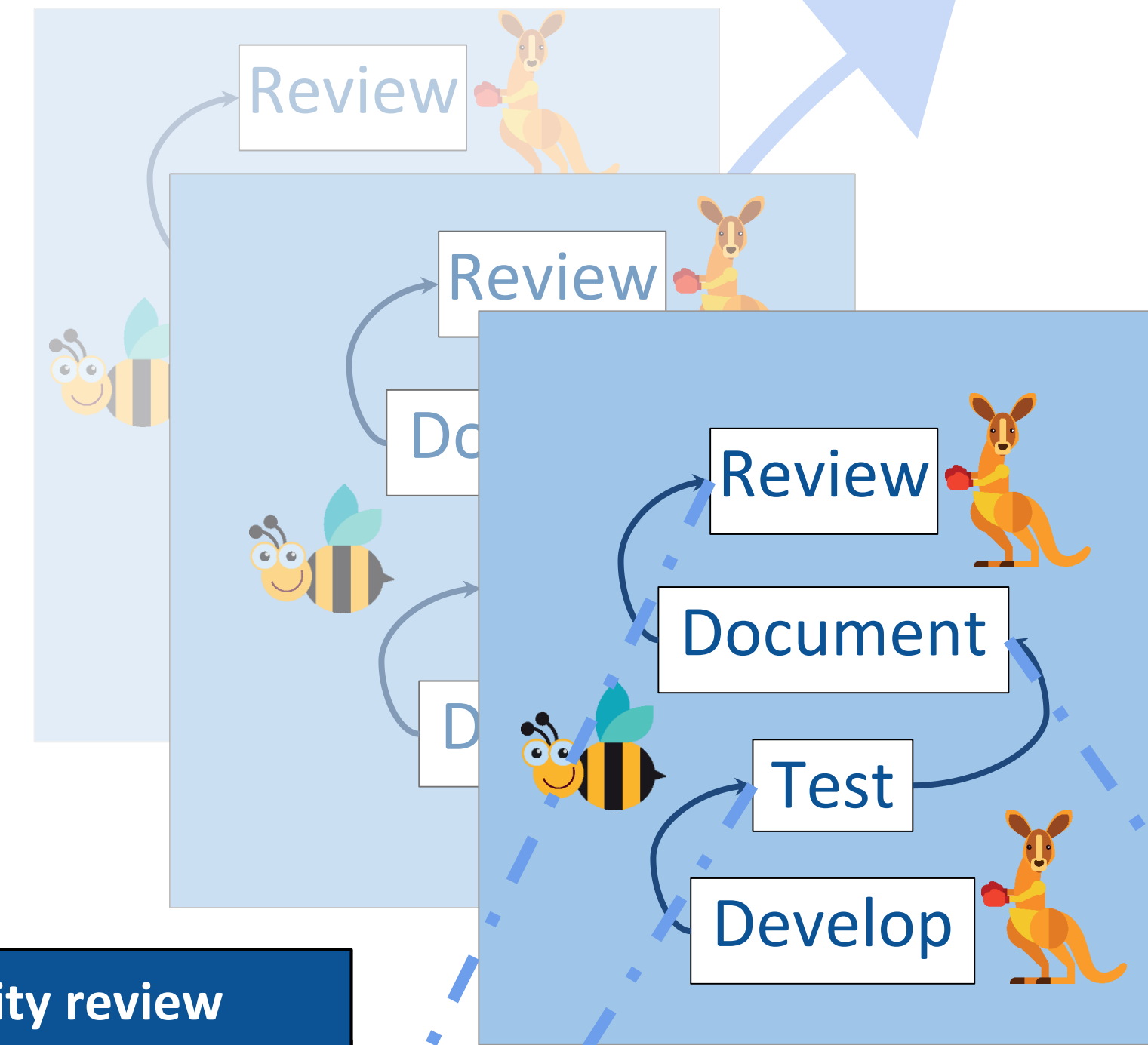


Goals

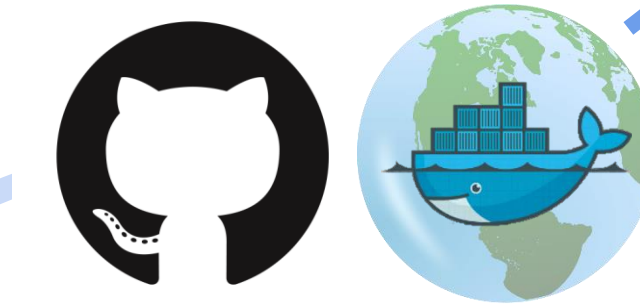
- Support developers to create high quality software**
- Modern industry-standard technologies for testing and documentation
 - Modern industry-standard processes for incorporating changes and resolving conflicts
 - Effective strategies for team communication
- Support users to perform high quality engineering**
- State of the art technology
 - High quality documentation and tutorials
 - Transparent *open-source* software development process
 - Interaction with development team and development process

Parallel development by multiple developers across all participating national laboratories and universities, coordinated through issues and pull requests in Github, as well as weekly development meetings.

Development



Release



Installation

- Multiple platforms: Linux, Windows, Mac OSX
- Instructions to install from Docker or Source code

IDAES Website



Cast of characters

- Stakeholders
- Collaborators
- Senior Developers
- Students & Junior Developers
- Project Management

*Images designed by Katemangostar / Freepik

Technologies Used

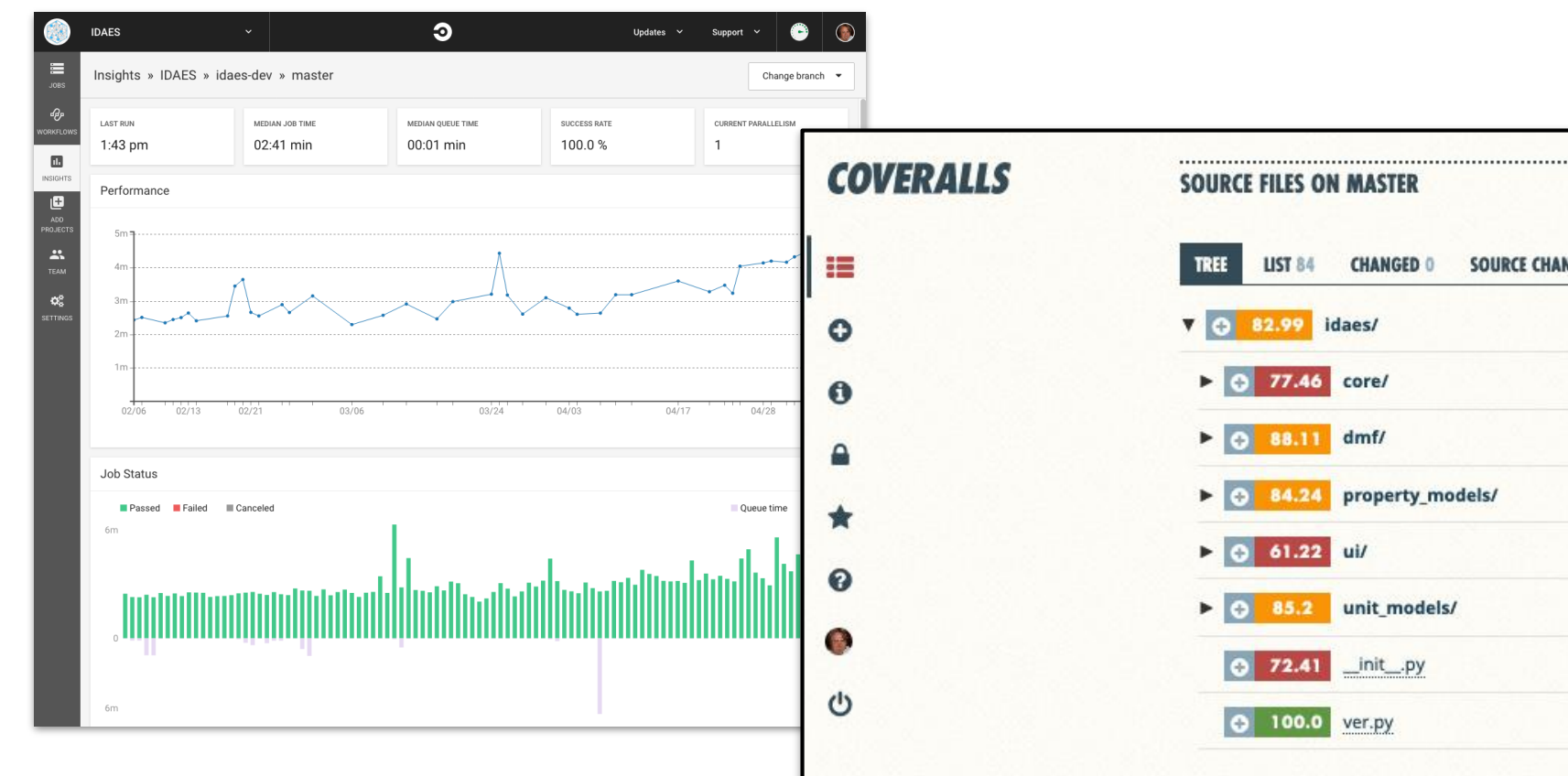
- Python: programming language
- pytest testing framework
- Anaconda virtual environments for Python
- CircleCI continuous integration
- Coveralls test coverage reporting
- Sphinx documentation generator
- ReadTheDocs online documentation hosting
- Github code hosting and issue tracking

Code quality review

All code must be reviewed by at least 2 people before it can be merged in to the main repository.

Continuous Integration

The IDAES code is continuously tested by running the Python test suite on a cloud provider, CircleCI.

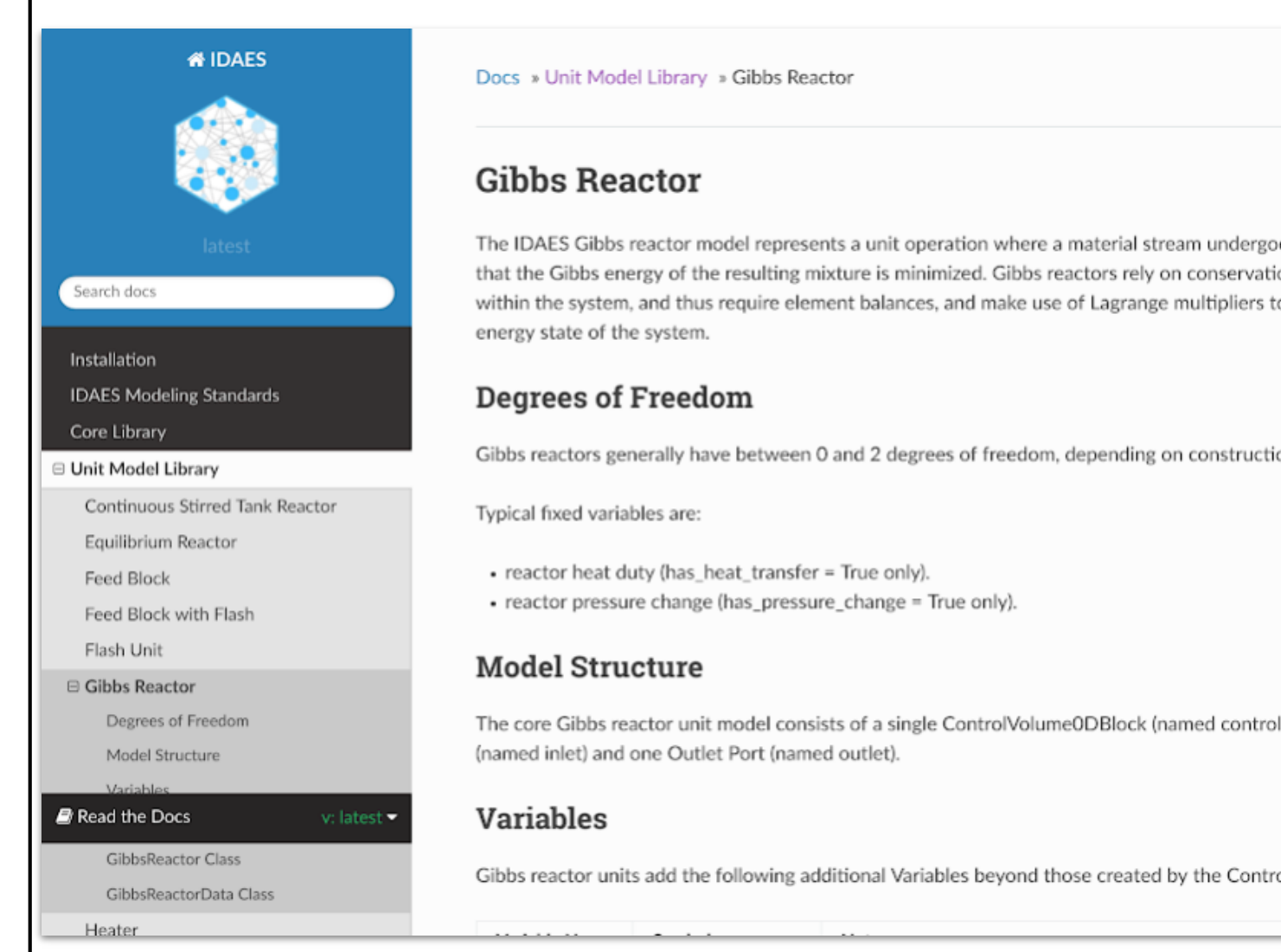


Tests are run on the "unit tests" in the code, as well as the Jupyter Notebooks, and on tests embedded in the documentation. The amount of code covered by testing is continuously updated.

Documentation

Online documentation is automatically created from the source code and source documentation. It is available online and extensively hyperlinked and indexed.

<https://idaes-pse.readthedocs.io/>



- Browse source code
- Report bugs and request features
- Submit new code and bugfixes

Requirements

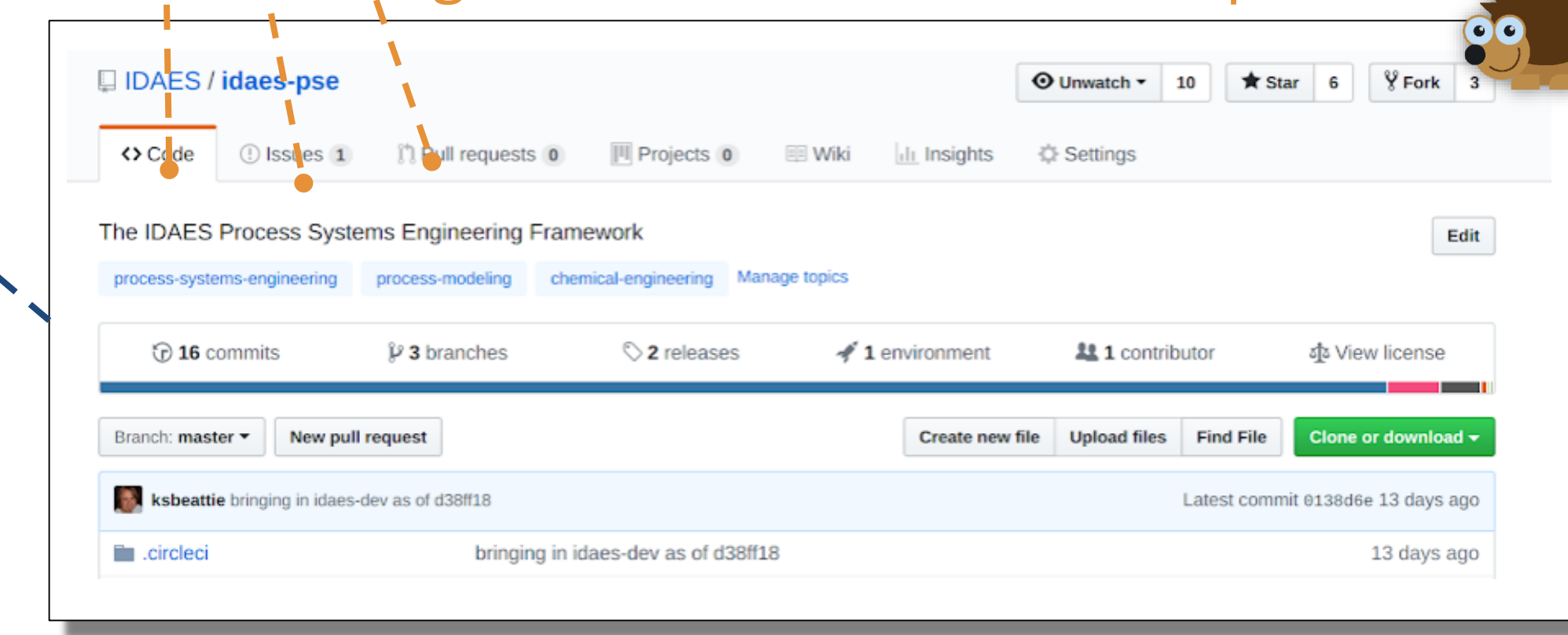
General Feedback

Bug Reports

Feature Requests

IDAES Public Github Repository

github.com/IDAES/idaes-pse



User Support & Outreach

- Interactive tutorials using Jupyter Notebooks; continuously updated based on feedback from stakeholders
- IDAES Workshops: Next one at FOCAPD meeting in July, 2019
- Periodic webinar based tutorials covering advanced features

Contact

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