

Morpheus Development Roadmap

Version 2.1

Scheduled release date: **June 2019:**

Features

- Improved SBML support
- New adaptive step size ODE solver (RK45)
- Provide local scope access in NeighborhoodReporters
- Bug fixes ...

Version 2.2

Scheduled release date: **March 2020**

Planned GUI features

- **QT5** version upgrade
- **3D simulations preview** using VTK
- Interactive dependency graph

Version 2.3

Scheduled release date: **June 2020**

Planned features

- Public **model repository**, including options to convert to other simulator frameworks (CC3D).
- Heterogeneous Advection / Diffusion
- Fields inside of Cells

Version 3.0

- **New** compact model **storage format**
- **Python scripting** bindings for rapid plugin prototyping and morpheus interactive control.

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