

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

Planned Simulator features

- Heterogeneous Advection / Diffusion
- Fields inside of Cells

Version 2.3

Scheduled release date: **Oct 2019**

Planned features

- **New** compact model **storage format** in accordance with [SED-ML](#)
- **Python scripting** bindings for rapid plugin prototyping and morpheus interactive control.
- Public **model repository**, including options to convert to other simulator frameworks (CC3D).

Last update:
10:07 development:roadmap <https://imc.zih.tu-dresden.de/wiki/morpheus/doku.php?id=development:roadmap&rev=1583744876>
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