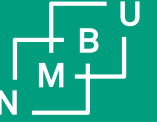


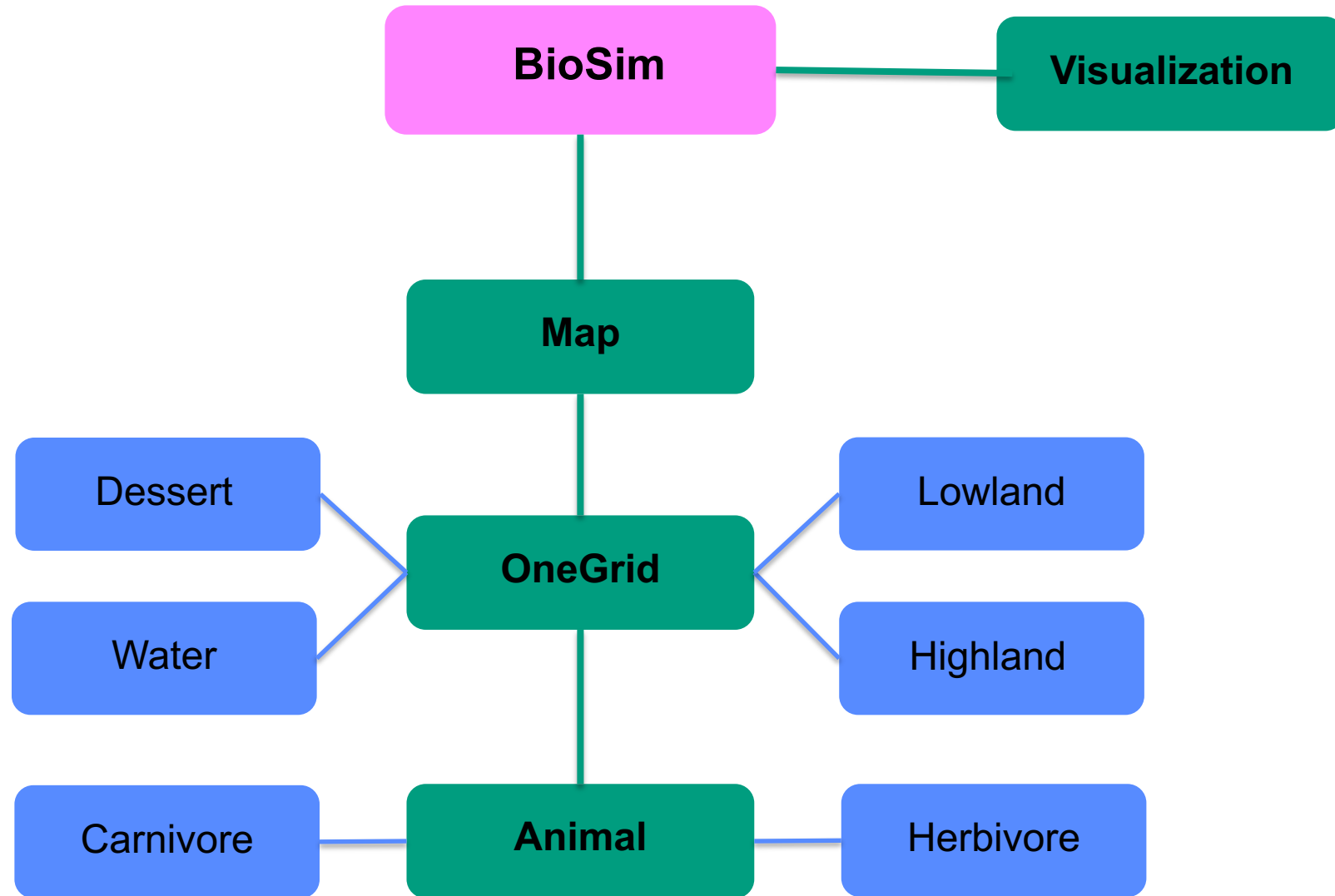
Norwegian University  
of Life Sciences



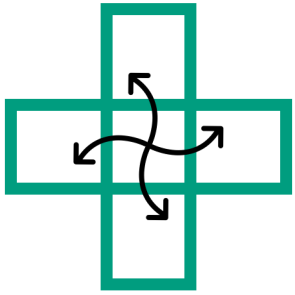
# Modelling the Ecosystem of Rossumøya

Made by Peder Bukaasen and Bård Pedersen

# Layout



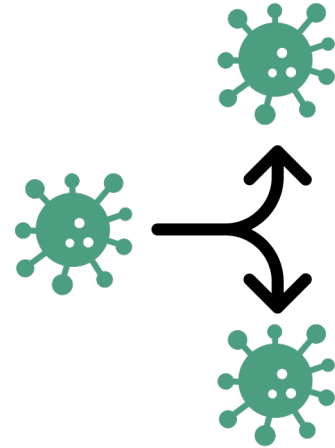
# Problems



Migration



Herbivore weight loss



Duplicating cells



Build (textwrap)

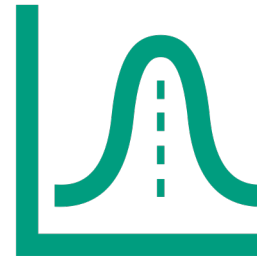
# Testing



Simulation testing



Parameterize<sup>1</sup>



Mocker

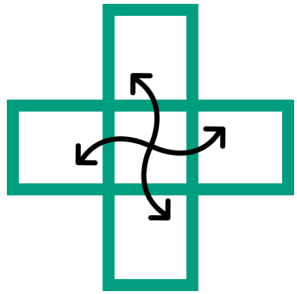


Not always testing

| Coverage                                  |                    |
|---|--------------------|
| 100% files, 90% lines covered in 'biosim' |                    |
| Element                                   | Statistics, %      |
| __init__.py                               | 100% lines covered |
| animals.py                                | 88% lines covered  |
| island_map.py                             | 96% lines covered  |
| landscapes.py                             | 94% lines covered  |
| simulation.py                             | 84% lines covered  |
| visualization.py                          | 83% lines covered  |

1. Pytest logo, accessed 20 January 2022.  
<https://pypi.org/project/pytest/>

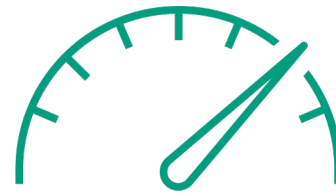
# Further development



Migration, DRY



Visualization



Optimize



Calculate fitness

# Discussion

