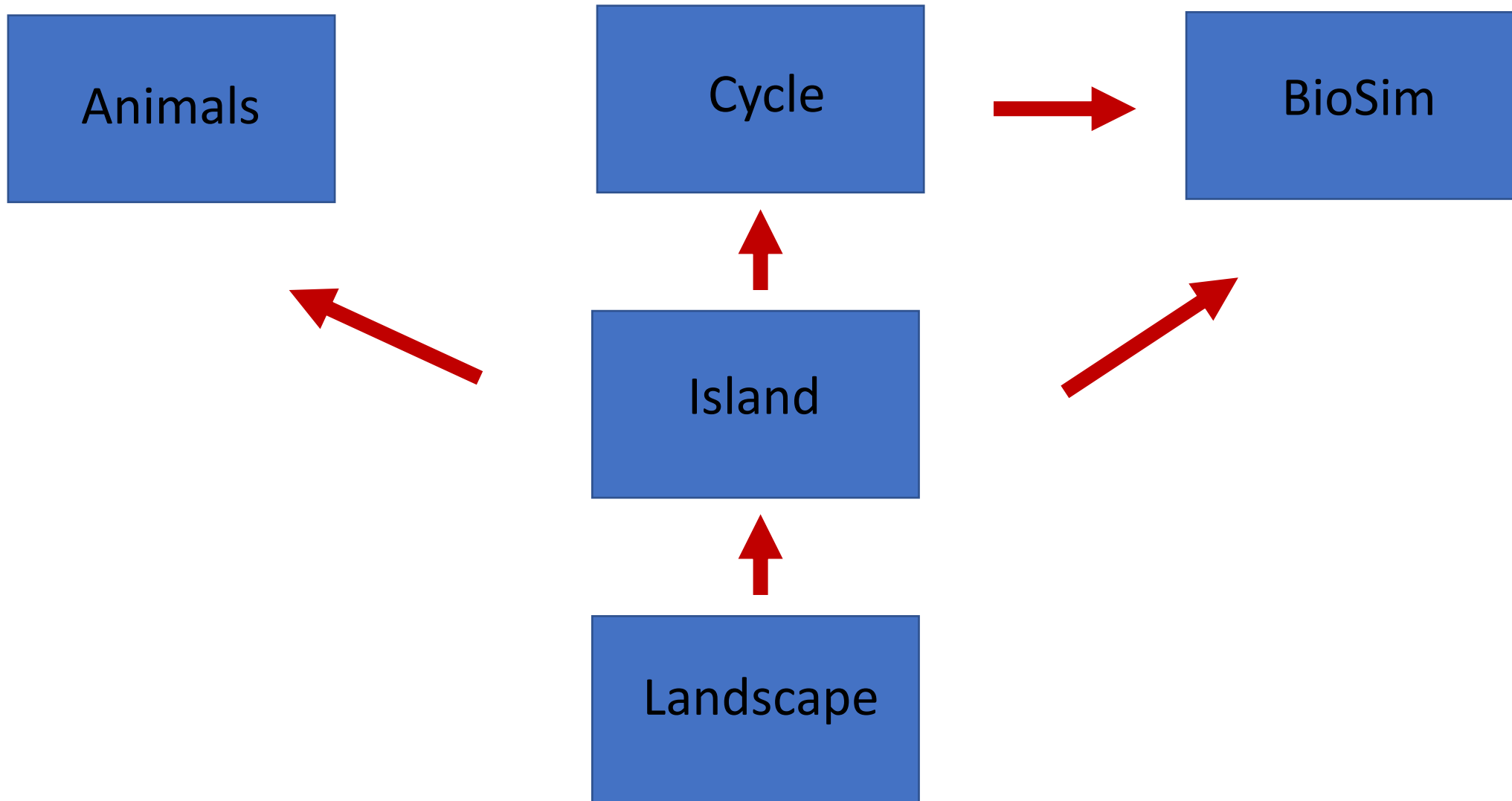


# INF200 – Videregående programmering

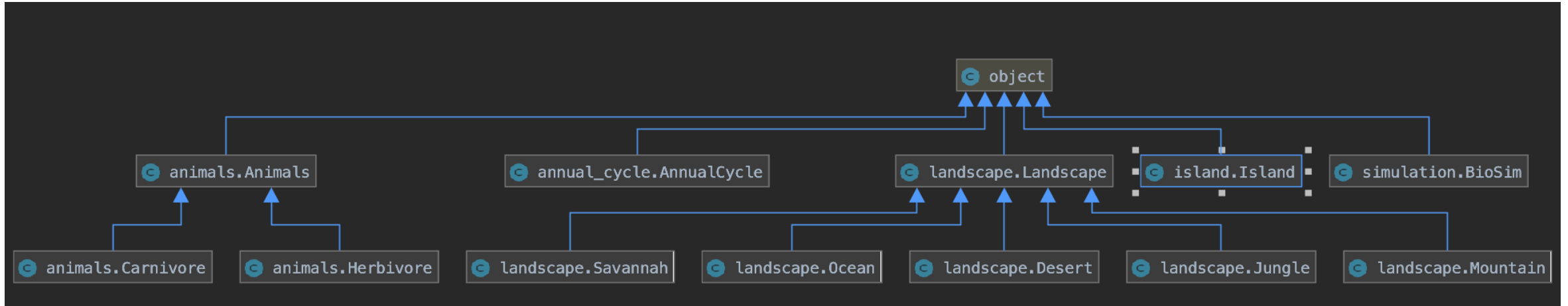
Daniil Efremov og Sigurd Grøtan



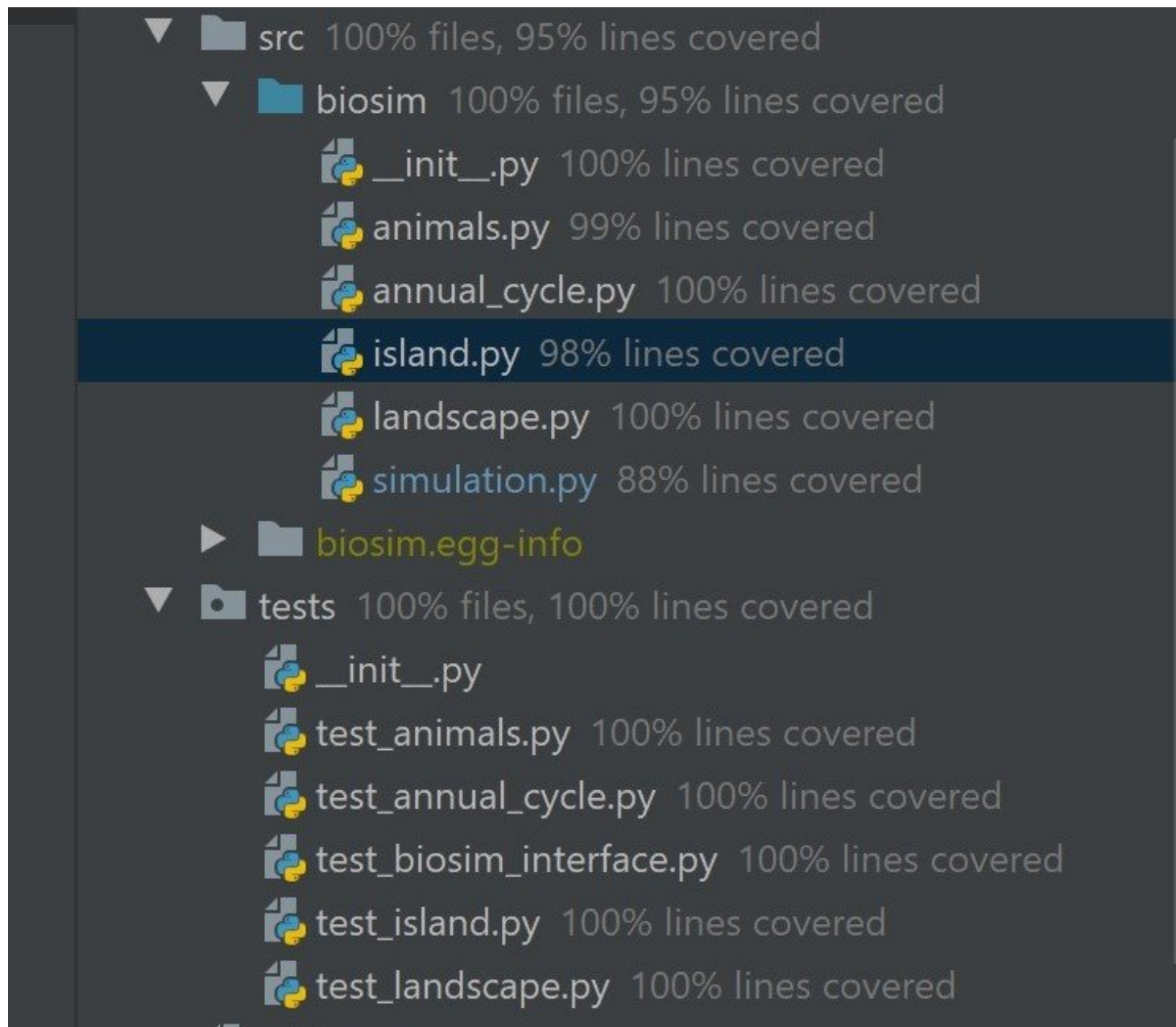
# Kodestruktur



# Kodestruktur



# Kvalitetssikring

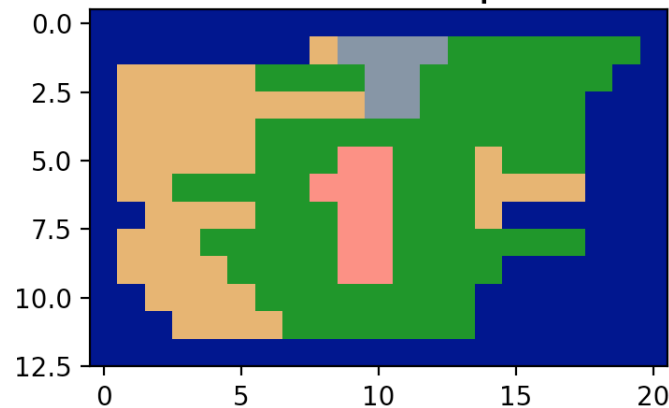


# Forbedringspotensial

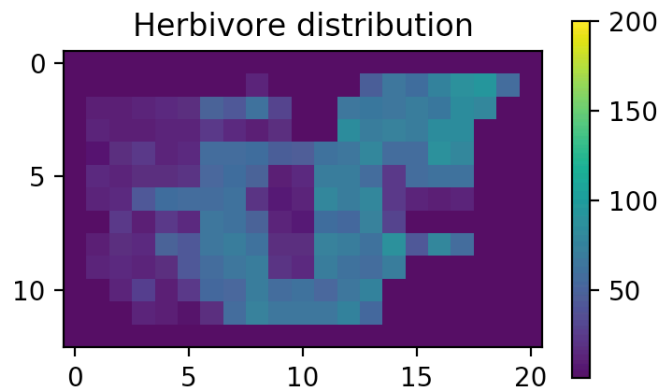
- PEP 8
- Property
- Flere methods
- Statistical tests
- Sphinx
- Vis-years NaN
- Birth-method

```
birth(self):  
    """Creates an instance of either class Herbivore or Carnivore.  
    If the birth does not occur, the class instance gets removed from  
    """  
    xi = self.parameters["xi"]  
  
    if self.can_birth_occur():  
        if self.__class__.__name__ == "Herbivore":  
            baby_animal = Herbivore(self.island, self.loc)  
        elif self.__class__.__name__ == "Carnivore":  
            baby_animal = Carnivore(self.island, self.loc)  
  
        weight_loss_by_birth = baby_animal.weight * xi  
  
        if weight_loss_by_birth >= self.weight:  
            self.island.remove_pop_on_loc(self.loc, baby_animal)  
        else:  
            self.weight -= weight_loss_by_birth  
            self.fitness_change()
```

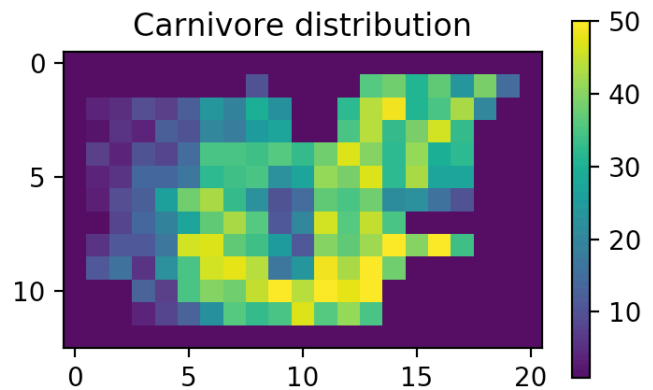
### Island map



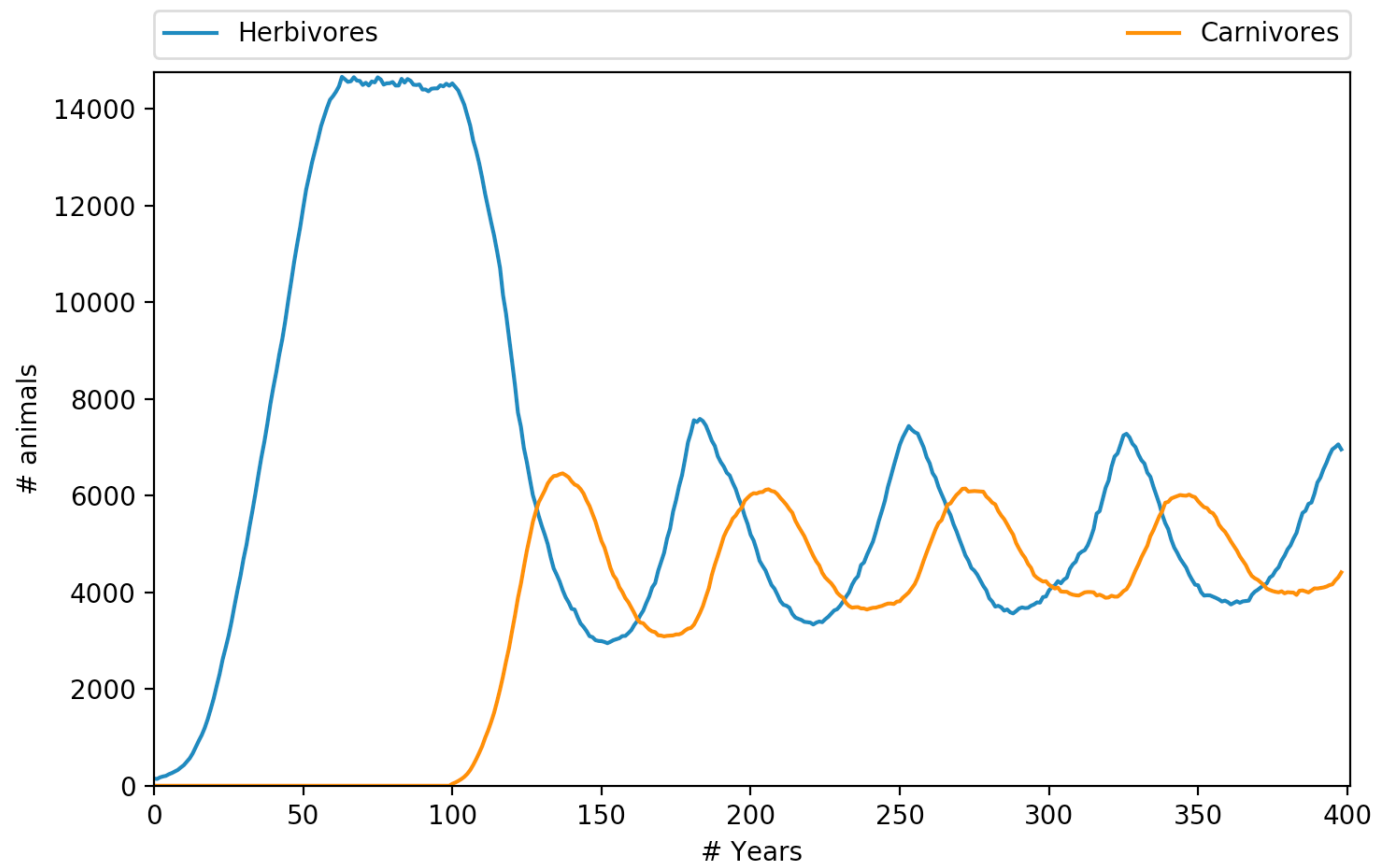
### Herbivore distribution



### Carnivore distribution



### Population



Pause/Run

Interrupt