

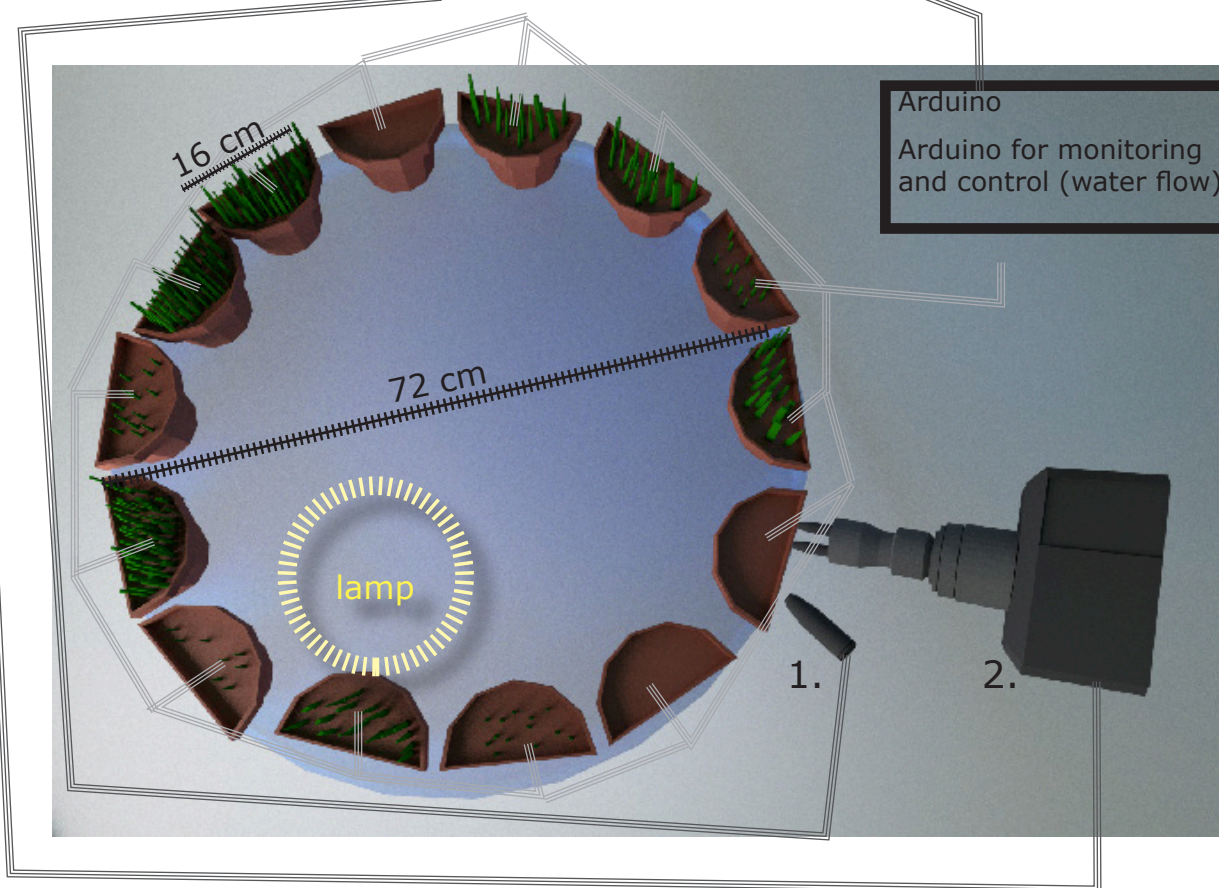
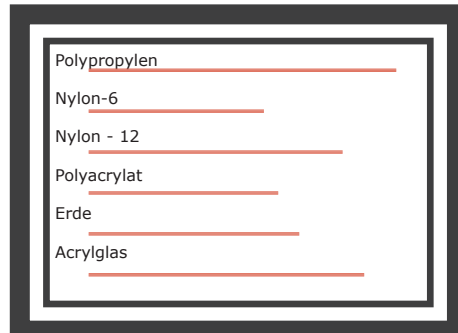
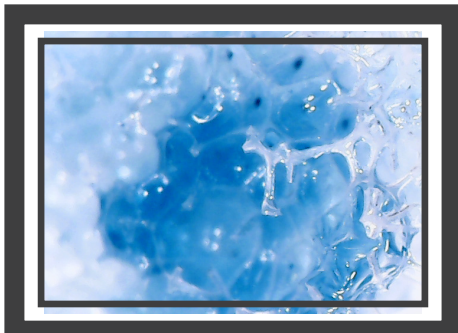
# Summaery 2018

## Building plan technical part

1. Monitor  
Live microscopy –  
observation of cell  
structure in root system

2. Monitor  
Live digital macro lens  
Plastics and root interaction  
observation

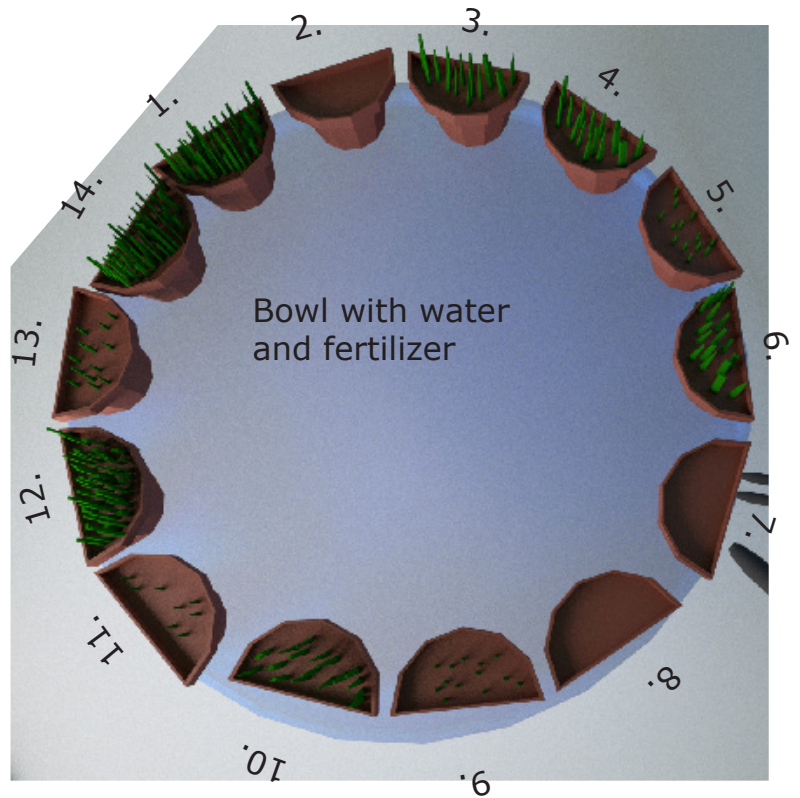
3. Monitor  
Data from Arduino for  
 $\mu$ Siemens (conductivity)  
and PH value



1. Digital macrolense (connected to Arduino/ monitor)
2. Microscope with camera tubus, camera and hdmi-kable to monitor

# Summaery 2018 Plant plan

1. Polypropylen
2. Polyethylen
3. Polyethylenteephthalat (PET)
4. Nylon-12
5. Nylon-6
6. Polyurethan
7. Acylates Copolymer
8. Acylates Crosspolymer
9. Polyacrylat
10. Polymethylmethacrylat
11. Polystylen
12. SAP Superabsorber as Hydrogel
13. Coconut soil
14. Coconut soil with Superabsorber as shown in Aqua Gel fertilizer (USA)

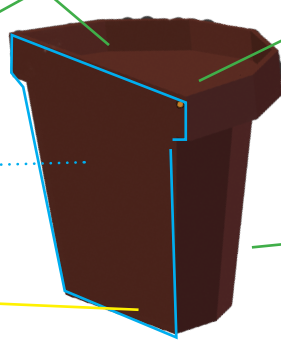


## Construction of the pots

Waterflow by Arduino or manually

Glas for root growth observation

hole for water supply



Growth substrate as described above

half a terracotta pot

## expected plant growth plant graph expectation

