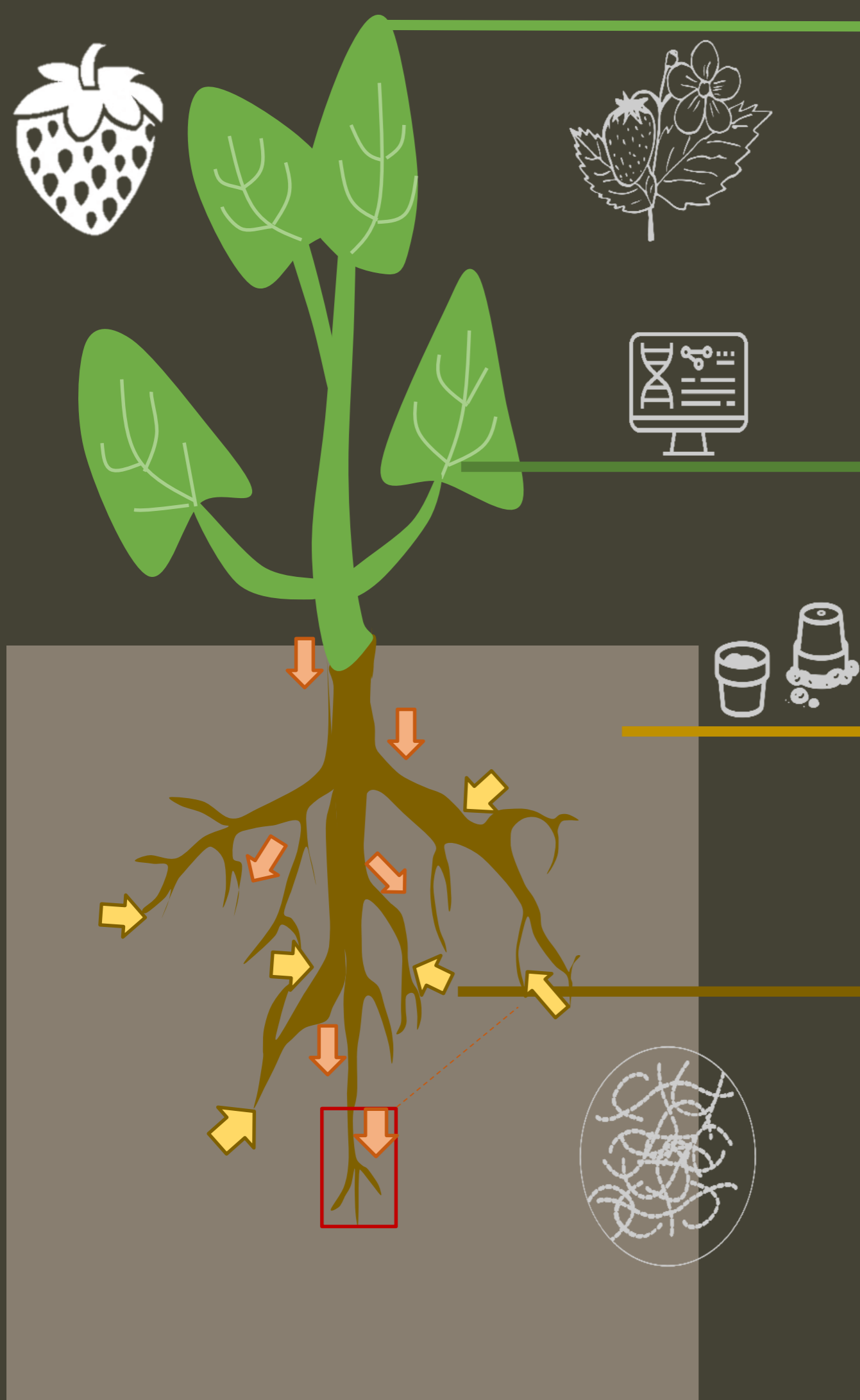




The plant measurements in the demo-trial

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Plant parameters

- ✓ fresh weight, dry weight, fruit yield, root growth
- ✓ plant health
 - *Botrytis cinerea* on the fruits
 - *Phytophthora cactorum* on the roots
- ✓ nutriënt content
- ✓ antioxidant capacity

Gene expression for plant defense

- ✓ RNA sequencing & qPCR

Chemical & physical parameters

- ✓ macroelements (ammonium acetate extraction)
- ✓ pH, EC, N-, C-, K-content (water-extractable)

Rhizosphere microbiome

- ✓ colonization bij *Trichoderma* → plating and qPCR
- ✓ microbial biomass measurement → PFLA & HWC
- ✓ shift in microbial taxonomy (relative)
 - amplicon sequencing
- ✓ shift in genetic functions → WGS
- ✓ shift in gene expression → metatranscriptomics