

PRO - EDEN

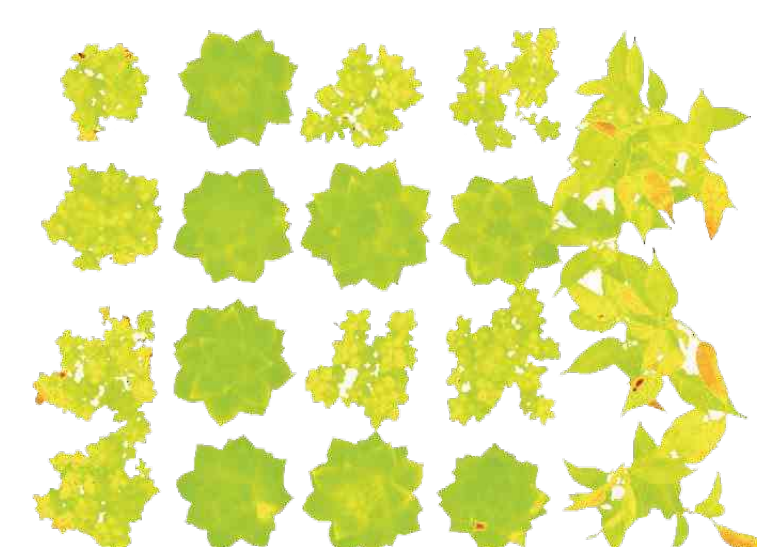
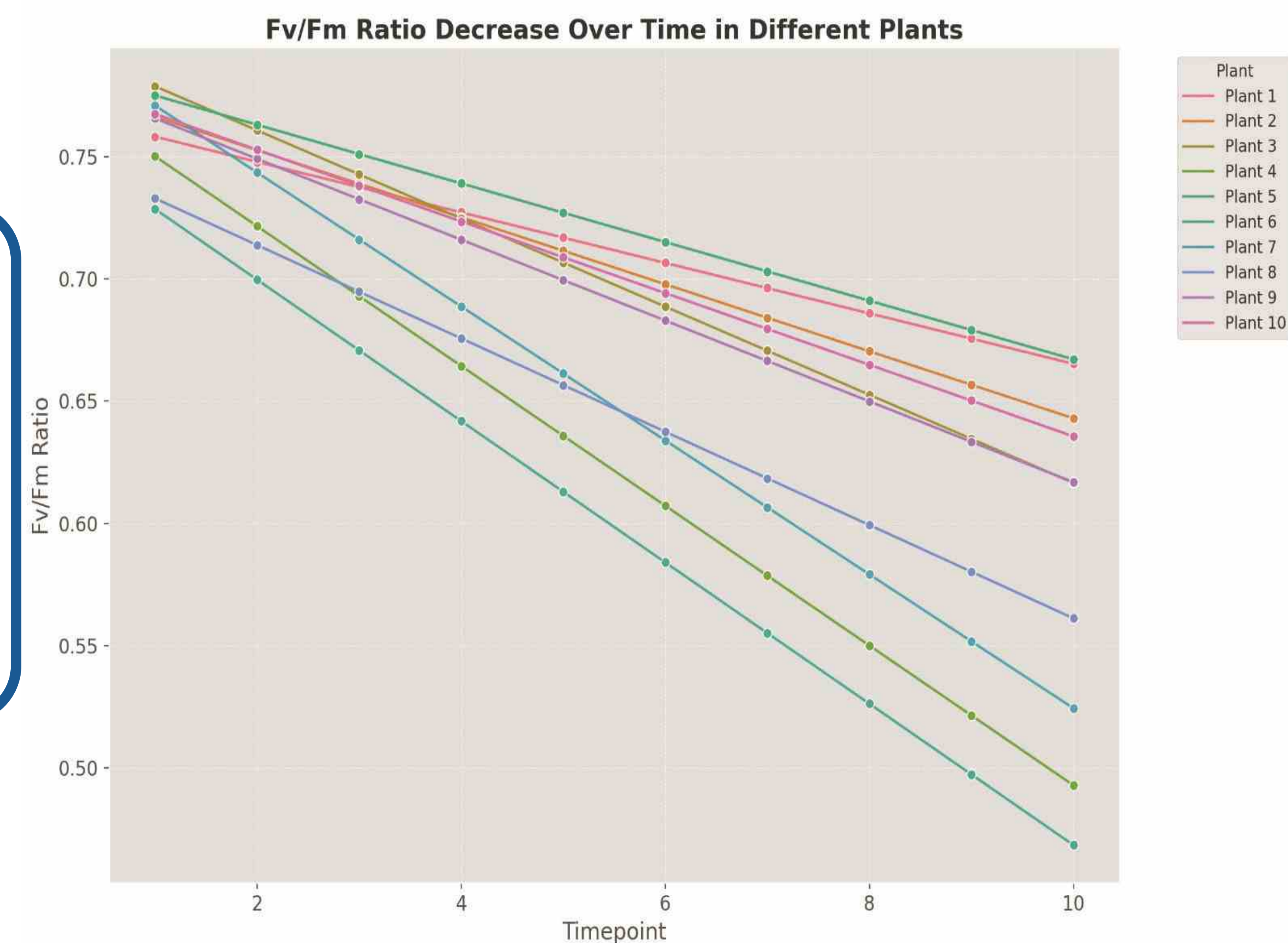


The best of both worlds!

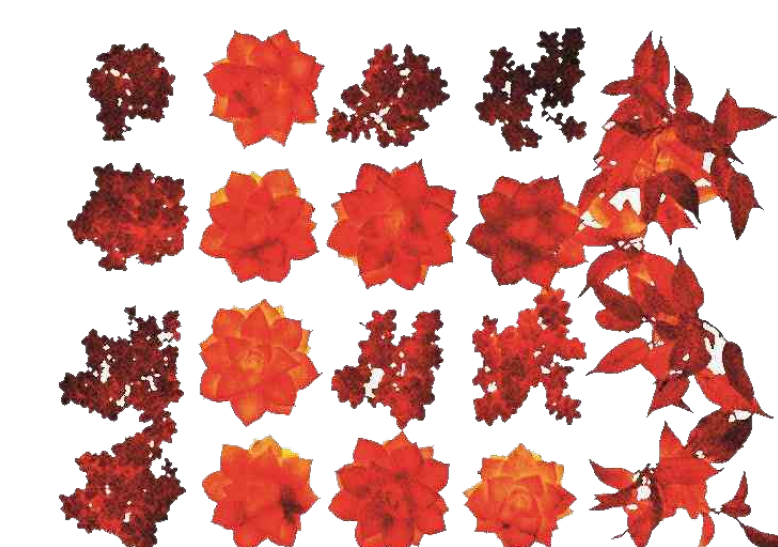
The PhenoVation PlantExplorer is designed to measure efficiency of photosynthesis in combination with multispectral data of plants. Combining this capability with the Bronson Climate plant growth cabinet, makes environmental simulations possible while imaging the plant in real time. The advantage of measuring this in real time is to get more insight in the behaviour of plants during fluctuating climates and increased temperatures or drought conditions. All the plant health parameters are automatically calculated by the analysis software.

Climate:

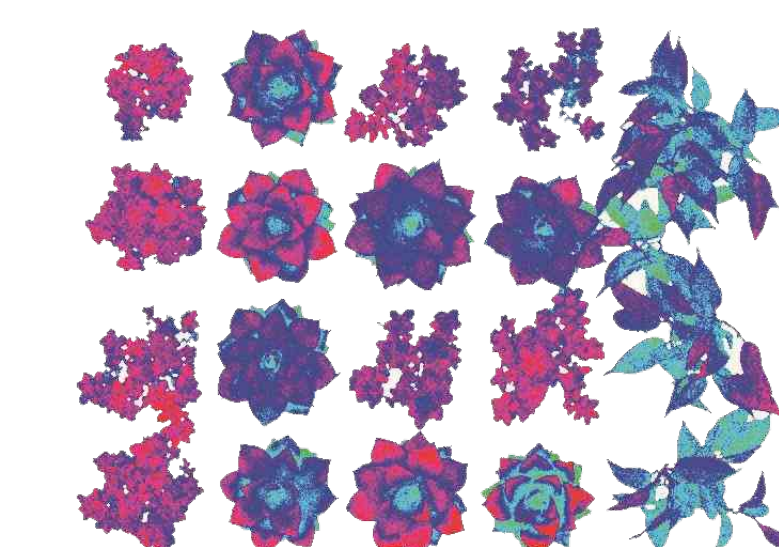
- Temperature +10 °C to +45 °C
- Humidity 30% to 85%
- Light 50 to 1000 $\mu\text{mol/s/m}^2$
- CO2 450 to 2000 ppm
- Control 96 steps per day



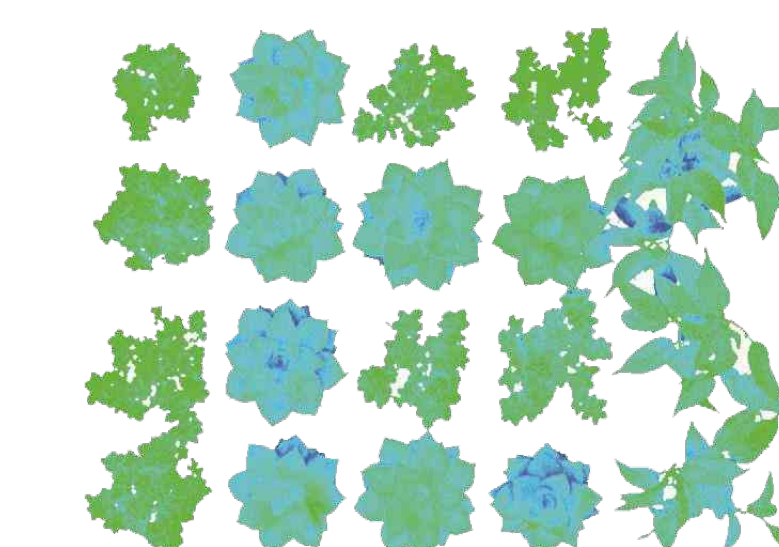
Fv/Fm



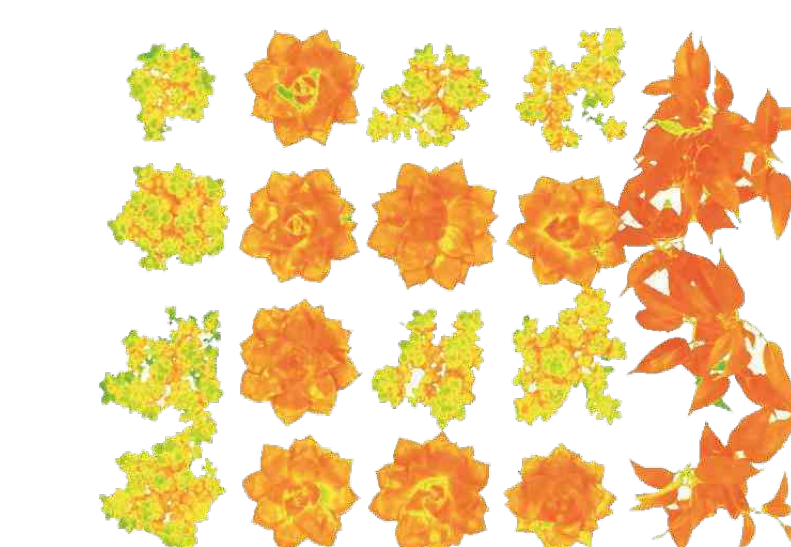
Fq'/Fm'



NPQ



ETR



NDVI