



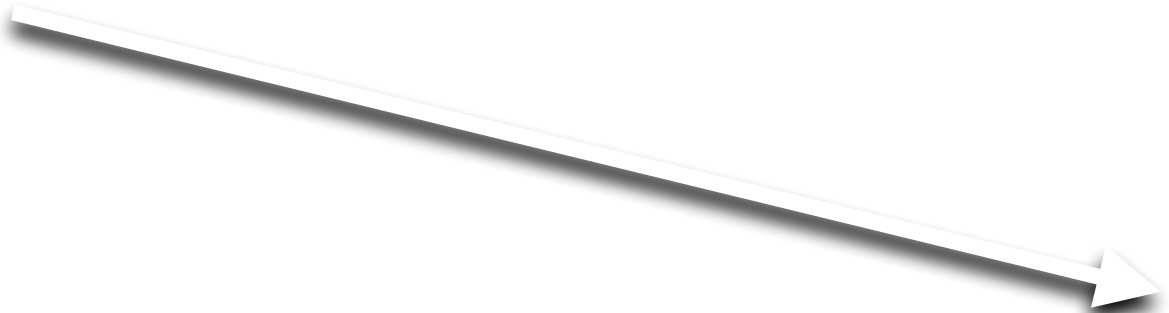




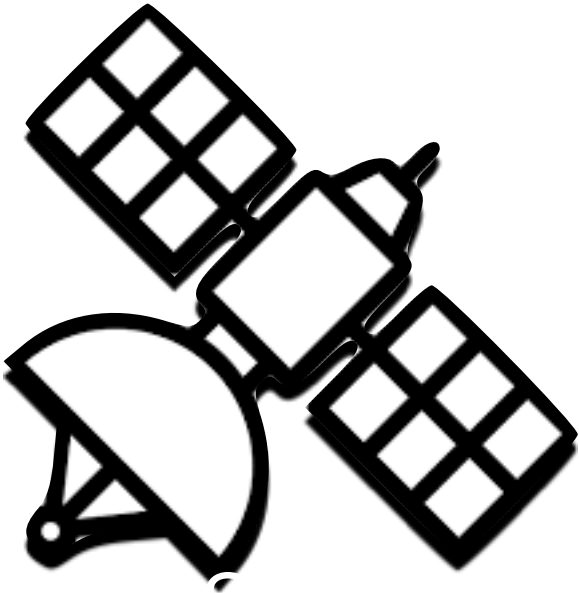


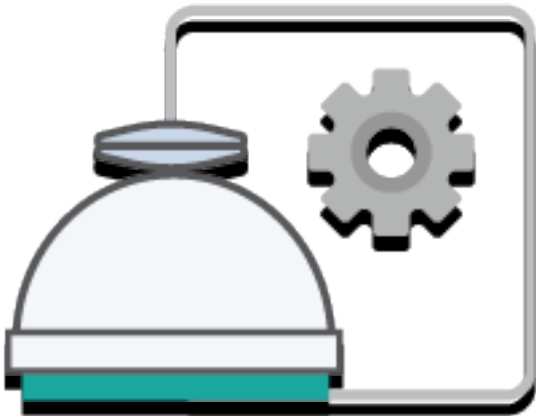
Individual-  
scale Plant  
Water Use

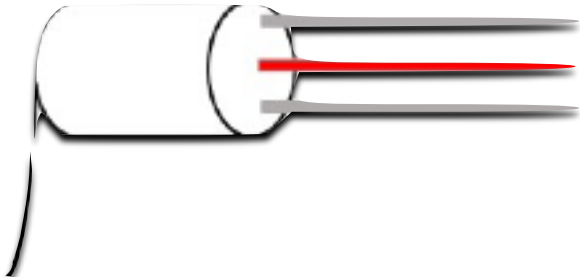
**How much  
water is this  
tree using?**















Space



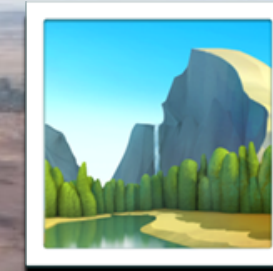
Time



# Plant Water Use Measurement Strategies



How much  
water is this  
tree using?



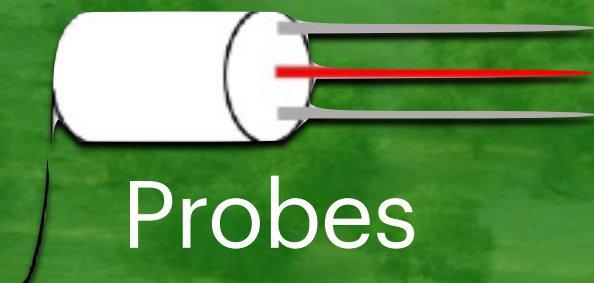
Space



Satellites

Towers

Individual-  
scale Plant  
Water Use



Probes



Chambers

Time



# Plant Water Use Measurement Strategies



# The Importance of Transpiration ( $T$ )



**LEAF WATER  
BALANCE:**

$$\frac{d\theta}{dt} = F_{in} - T - \text{X} - \text{X} - \text{X}$$

