

TALKING TREE

Systems

TTree public

suitable for everyone



TTree education

for scientifically interested



TTree science

for scientific projects



Focus:

climate change, health, urban climate, well-being

Visualization:

simple and pictorial, with vivid comparisons and thermal images

Measurement technology:

sap flow and stem water content, stem circumference, soil temperature and soil moisture, soil water tension up to pF4.2 (permanent wilting point), thermal camera, data logger, database system and data visualization

Focus:

growth, water use, cooling capacity, climate change, urban climate

Visualization:

simple and pictorial, with vivid comparisons and thermal images
+ additional statistics and info on sensor technology

Measurement technology:

sap flow and stem water content, stem circumference, soil temperature and soil moisture, soil water tension up to pF4.2 (permanent wilting point), thermal camera, data logger, database system and data visualization

+ weather station (humidity and temperature, wind direction and strength, radiation, opt. expandable)

Focus:

physiological processes like growth and water transport, water potential, cooling capacity, climate change, urban climate

Visualization:

scientific standards according to tabular data, advanced statistics

Measurement technology:

sap flow and stem water content, stem circumference, soil temperature and soil moisture, soil water tension up to pF4.2 (permanent wilting point), data logger and database system

+ weather station (humidity and temperature, wind direction and strength, radiation, opt. expandable)

+ stem psychrometer

Our Talking Tree partners:



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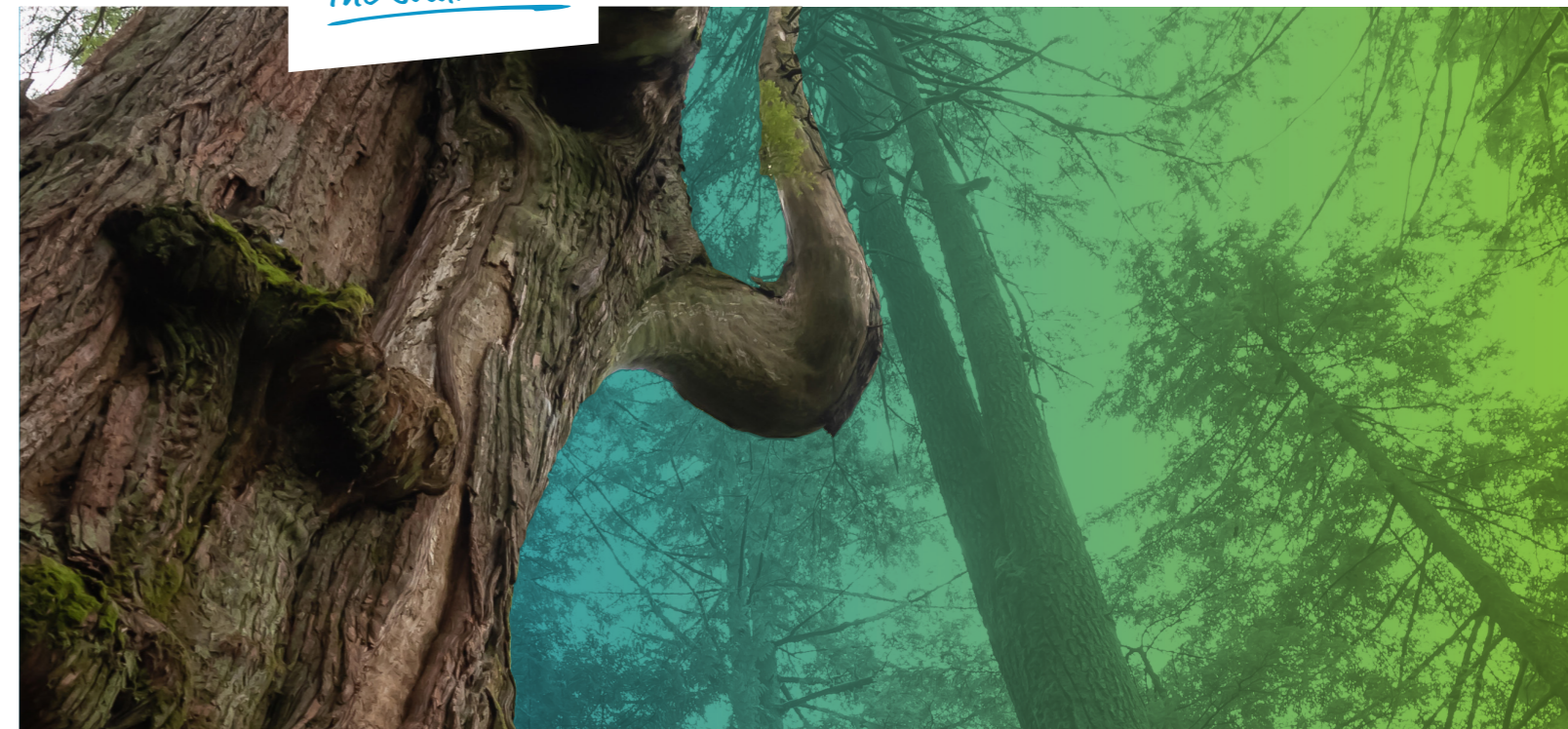
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The Solutionists

MORE THAN
STANDARD



TALKING TREE

TTree public
TTree education
TTree science

Let the trees speak -
this is possible with our
measurement technology

For an insightful
interaction with nature



Even more info at:
www.ugt-online.de

TALKING TREE

The access for a sustainable environment!

Trees and forests are not only beautiful, but also very useful. Even a single tree makes a big contribution to our eco-balance. With UGT's TTree systems, the daily performance of a tree is easily visible and illustrates, how valuable a tree is for our environment!

How does a TTree work?

A TTree is a tree equipped with sensors and a thermal imaging camera. It collects, stores and analyzes measurement data. The results are translated into an easy-to-understand language and visualized on various end devices.

Why TTree?

- ✓ environmental education for any generation
- ✓ example of climate change adaptation and mitigation measure
- ✓ recognize, understand and experience connections between nature and humans
- ✓ understanding the needs and benefits of a tree or plant
- ✓ arouse interest for the native plant world also in connection with regional workshops
- ✓ get to know scientific work
- ✓ positive benefits of plants on environment and people
- ✓ ecophysiological correlations easily understandable

What makes the TTree so special?

The tree „speaks“ and tells us its mood. Through these human qualities we create a contact with the tree. At any time, observers can experience the condition of the tree and see its contribution to climate protection live.



TTREE

Which tree services are visualized?

Depending on your intention / project:
Cooling capacity, CO₂ storage, growth, water consumption and much more.

