

# Mobile Timber Cruise (MOTI)



## MOTI

*Forest stand inventory with the aid of the Smartphones capabilities (App). Easy, cheap and reliable tool for determining the most important dendrometer indicators (key figures of tree stands). Suitable for single tree measurement or stand inventories.*

Forest stand inventory with the aid of the Smartphones capabilities (App). Easy, cheap and reliable tool for determining the most important dendrometer indicators (key figures of tree stands). Suitable for single tree measurement or stand inventories. Easy and fast implementation of forest inventories and single tree measurement.

Possible determination of the base area (m<sup>2</sup>/ha) with or without the distinction of different tree species. Trunk rate (#/ha), stand height (m/ha), reserve of rough wood (m<sup>3</sup>/ha). Smartphones can be used as a good referencing tool for forest inventories and forest operation planning. Many further application developments and integrations thinkable.



## MORE DETAILS

---

### CHALLENGE ADDRESSED

2.- Improve infrastructures and capacity of public actors

### DOMAIN

Inventory, monitoring  
Forest management, ecosystem, resilience  
Education and training

### TYPE OF SOLUTION

Sensors, measurement equipment

### KEYWORDS

App; Inventory

### DIGITAL SOLUTION

Yes

### INNOVATION

Yes

### COUNTRY OF ORIGIN

Switzerland

### SCALE OF APPLICATION

National

### START AND END YEAR

--

## CONTACT DATA

---

### OWNER OR AUTHOR

BFH Berne University of Applied Sciences

Christian Rosset

christian.rosset@bfh.ch

www.moti.ch

### REPORTER

BFH Bern University of Applied Sciences

Moritz Dreher

moritzkaspar.dreher@bfh.ch

## REFERENCES AND RESOURCES

---

### MAIN WEBSITE

<https://www.moti.ch>

### RESOURCES

--

### PROJECT WEBSITE

--

### PROJECT REFERENCE

--

---

**PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED**

Rosewood 4.0

**POST DATE**

12 Aug 2021

---



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 862681

---

**A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY**

