

# 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.



## PLUS DE DÉTAILS

---

### DÉFI CONCERNÉ

2. Améliorer les infrastructures et les capacités des acteurs publics

### DOMAINE

Inventaire, diagnostic, monitoring  
Gestion forestière, sylviculture, services écosystémiques, résilience  
Education et formation

### TYPE DE SOLUTION

Capteurs, équipement de mesure

### MOTS-CLÉS

App; Inventory

### SOLUTION DIGITALE

Oui

### INNOVATION

Oui

### PAYS D'ORIGINE

Suisse

### ECHELLE D'APPLICATION

Nationale

### DÉBUT ET FIN D'ANNÉE

--

## INFORMATIONS DE CONTACT

---

### PROPRIÉTAIRE OU AUTEUR

BFH Berne University of Applied Sciences

Christian Rosset

christian.rosset@bfh.ch

www.moti.ch

### RAPPORTEUR

BFH Bern University of Applied Sciences

Moritz Dreher

moritzkaspar.dreher@bfh.ch

## REFERENCES AND RESOURCES

---

### SITE WEB PRINCIPAL

<https://www.moti.ch>

### SITE WEB DU PROJET

--

### RÉFÉRENCE DU PROJET

--

### RESSOURCES

--

---

**PROJET SOUS LEQUEL CETTE FICHE D'INFORMATION A été CRÉÉE**

Rosewood 4.0

**DATE DE PUBLICATION**

12 août 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**

