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 (m2/ha) with or without the distinction of different tree species. Trunk rate (#/ha), stand height (m/ha), reserve of rough wood (m3/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

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REFERENCES AND RESOURCES

MAIN WEBSITE

https://www.moti.ch

PROJECT WEBSITE

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PROJECT REFERENCE

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RESOURCES

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PROJECT UNDER WHICH THIS FACTSHEET HAS BEEN CREATED

Rosewood 4.0

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY