

## Drones in the Service of Forestry



*Single tree detection software uses drone data as the basis for estimating important tree parameters (tree position, height and diameter). Drones offer very precise terrain and inventory data and are very cost-effective.*

Drone images are commonly used today as optical support in the forestry sector. The Potential of drone data and parameters that can be generated from single tree detection software is far from exhausted. The innovative and creative aspect of the project is to crate a digital twin of the forest. This twin provides all important tree parameters for the researchers to model the forest, make estimations of interventions, plan and make predictions.

## MAIS DETALHES

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DESAFIO ABORDADO	DOMÍNIO	TIPO DE SOLUçãO
5. Melhorar o desempenho económico e ambiental das cadeias de abastecimento florestal	Inventário, avaliação e monitorização Gestão florestal, silvicultura, serviços do ecosistema, resiliencia Investigação e desenvolvimento	Sensores, eequipamentos de medição
PALAVRAS-CHAVE	SOLUçãO DIGITAL	INOVAçãO
Drones; Inventory; Management	Sim	Sim
PAÍS DE ORIGEM	ESCALA DE APLICAçãO	ANO DE INÍCIO E FIM
Suíça	Nacional	--

## DADOS DE CONTACTO

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## REFERENCES AND RESOURCES

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WEBSITE PRINCIPAL	RECURSOS
<a href="https://www.grstiftung.ch/de/search~grs-047-17~.html">https://www.grstiftung.ch/de/search~grs-047-17~.html</a>	--
WEBSITE DO PROJETO	--
REFERêNCIA AO PROJETO	--

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PROJETO NO ÂMBITO DO QUAL A FOLHA DE DIVULGAÇÃO FOI CRIADA

Rosewood 4.0

DATA DE ENTRADA

12 Ago 2021

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A TOOL FROM ROSEWOOD 4.0, DESIGNED AND DEVELOPED BY

