360 DRONES

INFOGRAPHICS

DRONES360

Fostering innovation and Better skills match with the GREEN and DIGITAL sectors through the integration of emerging technologies (DRONES, VR, AR)in VET

Use of drones in the State Forests

- production of cartographic materials (orthophotos)
- assessment of tree health and inventory of trees damaged
- surveying areas for restoration
- crop spraying and control of forest pests
- monitoring land use changes
- inventorying wild animals and estimating hunting damage
- detection of forest fires (intersectoral)
- search and rescue (intersectoral)

Essential Skills for Success in the Drone Industry

- advanced drone pilots' skills
- environmental analysts including drone surveying mapping and monitoring
- knowledge of drone regulations
- ability to extract relevant information from acquired data, for instance to feed GIS (Geographic Information Systems)
- emerging technologies such as AI and GIS

Looking Ahead: Exciting Drone Innovations

- better and more efficient equipment covering the larger area on one charge
- advanced environmental data collection
- AI and machine learning integration

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