

## Automatic mapping of possible forest operations: a decision support tool for forest planning

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## ▶ To cite this version:

S. Dupire, F. Berger. Automatic mapping of possible forest operations: a decision support tool for forest planning. XXIV IUFRO World Congress, Oct 2014, Salt Lake City, United States. pp.1, 2014. hal-02600330

## HAL Id: hal-02600330 https://hal.inrae.fr/hal-02600330

Submitted on 16 May 2020

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## Automatic mapping of forest operation possibilities: a spatial decision support tool for forest planning

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A need for identifying forest accessibility according to forest operation systems



In France, in mountainous regions, most of the harvested wood is extracted using a skidder. For 50 years, forest road network and silviculture have been thought to facilitate this



Skidder operation

specific system. Today, despite these efforts, only 50% of the mountain forests are accessible with skidder. Objective methods are needed to identify the different forest operation possibilities and assist forest managers when planning operations.

A spatial decision support tool named Sylvaccess has been developed in order to identify the accessible areas according to two forest operation systems: skidder and cable yarding.

Cable yarding operation



criteria, covering 55% of the forest area



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