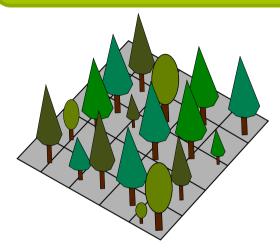
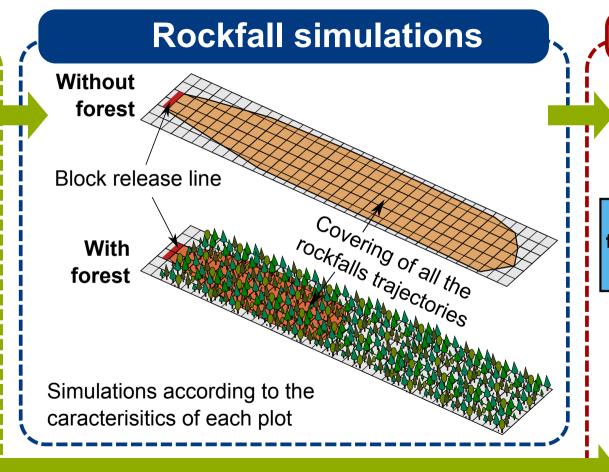
How to quantify the protective effect of forests against rockfalls?

Alpine forests



3886 plots of the French forest inventory with information about:

- Forest structure
- Forest composition
- Topography : slope



Definition of 3 indicators

Calculation of the indicators from the results of rockfall simulations



Rockfall frequency reduction











Prediction of the indicators directly from three forest characteristics:

- Mean diameter of the stems
- Basal area
- Length of the forested slope