

# ForestAtRisk: A Python package for spatial modelling and forecasting of tropical deforestation

Ghislain Vieilledent<sup>1, 2, 3, 4</sup>

**1** CIRAD, UMR AMAP, F-34398 Montpellier, France **2** CIRAD, Forêts et Sociétés, F-34398 Montpellier, France. **3** AMAP, Univ Montpellier, CIRAD, CNRS, INRAE, IRD, Montpellier, France. **4** European Commission, Joint Research Centre, Via E. Fermi 2749 – TP 261, I-21027 Ispra (VA), Italy.

DOI: [DOIunavailable](#)

## Software

- [Review](#) ↗
- [Repository](#) ↗
- [Archive](#) ↗

Editor: [Pending Editor](#) ↗

## Reviewers:

- [@Pending Reviewers](#)

Submitted: N/A

Published: N/A

## License

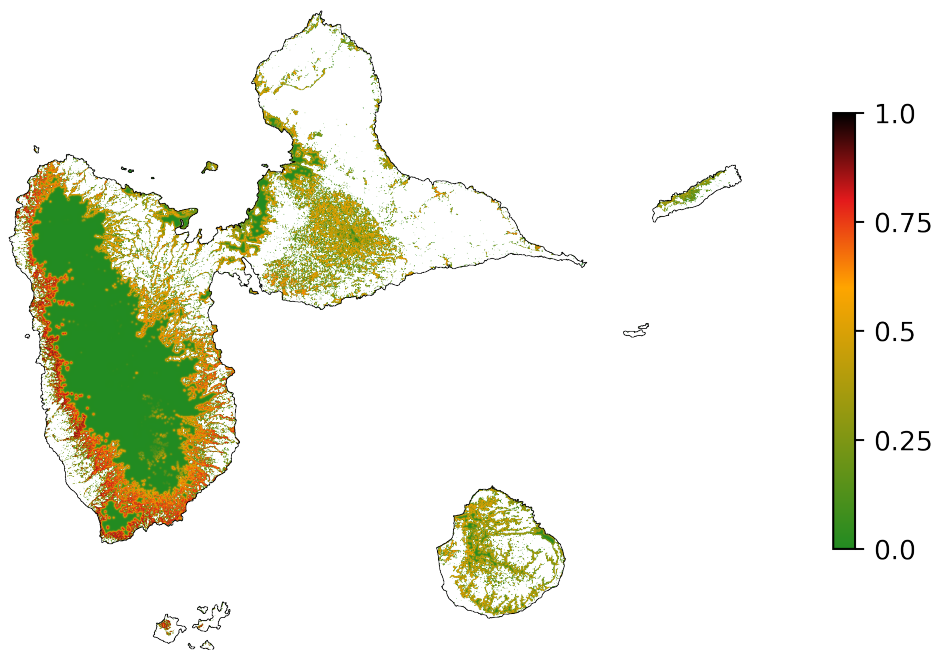
Authors of papers retain copyright and release the work under a Creative Commons Attribution 4.0 International License ([CC BY 4.0](#)).

## Summary

## Statement of Need

test (Vieilledent et al., 2013). See [Figure 1](#).

## Figures



**Figure 1:** Spatial probability of deforestation in the Guadeloupe archipelago at 30 m resolution in 2020.

## Acknowledgements

I am grateful to Clovis Grinand, Romuald Vaudry and Matthieu Tiberghien who gave me the opportunity to work on deforestation modeling when we were leading forest conservation projects in Madagascar. I also warmly thank Frédéric Achard and all the members of the JRC IFORCE group for their invaluable support during the first phase of development of the package while I was seconded to the JRC in Ispra. This work benefited from funding from the FRB-FFEM (BioSceneMada project, AAP-SCEN-2013 I), the European Commission (Roadless Forest project) and the CNRT (RELIQUES project).

## References

Vieilledent, G., Grinand, C., & Vaudry, R. (2013). Forecasting deforestation and carbon emissions in tropical developing countries facing demographic expansion: A case study in madagascar. *Ecology and Evolution*, 3(6), 1702–1716. <https://doi.org/10.1002/ece3.550>