

## Introduction

While extensive research has investigated tree cover distributions in the tropics [1,2], a notable gap exists in understanding the response of tree cover to environmental variables and the underlying mechanisms in Indonesian ecosystems, with its vast peatland areas.



Mean annual precipitation (mm)

### **Tree cover response to MAP** [1]

The understanding is important to assess the system behavior and the resilience of the ecosystems to changing environmental conditions.



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# **Resistant high tree cover mode with increasing fire** in Indonesian peatland ecosystems

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(red). The color darkness increases with the increasing tree cover.



precipitation (2001-2021) in mm/year (C, D) in non-peatland (left) and peatland (right).

\*\*HFI 0-0.1: dark green, 0.1-0.2: light green, 0.2-0.3: light orange, 0.3-1: dark orange



