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Salle 201, Bâtiment PS2, CIRAD-UMR AMAP,  
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# Interpretability of distribution models of plant species communities learned through deep learning

*presented by*

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## ABSTRACT

Very recently, plant species distribution models based on convolutional neural networks have appeared. Although they have proven to be more efficient than state-of-the-art models (such as MaxEnt, Random forest, boosted trees, etc.), especially on poorly represented species, they are often criticized for their lack of interpretability. We present here the first results of a study that aims to clarify the predictive power of these new methods by linking the information contained in the input data to the quality of the response using ablation experiments.

## KEY WORDS

Species Distribution Models (SDM); Convolutional Neural Networks (CNN); Interpretability

Invited and animated by:

Pierre Bonnet (UMR AMAP)

Type:

Research results

Oral language:

français

Language of PPT:

english

