



Dolores Armenteras is currently a Full Professor at Universidad Nacional de Colombia, Bogota, Colombia. Working on landscape ecology, fire ecology and biodiversity conservation, she is interested on understanding ecological processes and human impacts on biodiversity across various organizational levels and scales, using applied knowledge and problem-solving approaches.

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11 JAN 2024
10h00 – 11h30

Salle 201, Bâtiment PS2, CIRAD-UMR AMAP,
Boulevard de la Lironde
Teams : [[CLICK HERE](#)]

Understanding Landscape Changes: A 25-Year Journey in Landscape Research from Colombia

presented by

Prof. Dolores ARMENTERAS

ECOLMOD, Universidad Nacional de Colombia, Colombia

ABSTRACT

This presentation encapsulates a quarter-century of extensive research on landscape changes, focusing on deforestation, land use, and fire impacts in South America. It begins with an overview of tropical forests and the Andes, setting the stage for a deeper analysis of deforestation patterns and rates, drivers of land use and land cover changes, and the multifaceted impacts of fire on forest loss. The study meticulously dissects regional deforestation trends from 1990 to 2020, highlighting the diverse direct and indirect drivers, including agricultural expansion, cattle grazing, infrastructure development, and more. Intriguingly, it also delves into the socio-environmental dynamics, presenting local case studies that illustrate the complex interplay between human activities and landscape changes. The presentation further discusses the challenges of fire management in tropical forests, emphasizing traditional practices and the role of indigenous knowledge. A key aspect of the study is its focus on public engagement, policy implications, and the need for inclusive, equitable scientific collaborations, especially in the context of the global south. She will discuss forward-looking perspectives, advocating for science communication and policy advocacy to foster climate and fire-resilient biodiversity corridors in multifunctional landscapes.

KEY WORDS : Deforestation, wildfires, South America

Invited and animated by:

Dr. Imma OLIVERAS MENOR (UMR AMAP)

Type:

Research results

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English

Language of PPT:

English

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