Research Associate: Basic Grade
Selection No.: CRN11CSS3

Sectoral Scientific Commission (CSS):
CSS3: “Science of Ecological Systems”

Title
Biodiversity dynamics in disturbed and restored ecosystems

Keywords / disciplines
Biodiversity, protected areas, disturbance, restoration, operating strategies, modelling, scenarios, climate change, global change, systems approach.

Context and Issues of the Global South

The worldwide evaluation of biodiversity and ecosystem services conducted by the IPBES in 2019 provides alarming reports of environmental damage and the associated consequences on biodiversity and ecosystem services, particularly in countries of the Global South.

Current practices and needs

IRD is recruiting a research associate in biodiversity dynamics in disturbed ecosystems (e.g. by fishing, forestry, acidification, global warming, extreme weather events, etc.) and restored ecosystems (e.g. in the wake of regulatory measures such as protected areas, etc.).

The role will entail developing research which could address for example:

• Understanding and quantifying temporal and spatial trajectories of biodiversity loss post-disturbance, and recovery after protective and/or restorative measures.
• Proposing model biodiversity responses, and calibrating and/or confirming those models with empirical data.
• Developing/building participative science strategies to monitor and find out more about marine and/or terrestrial biodiversity.
• Exploring forward-looking scenarios for the impacts of human activities (or climate change) on biodiversity.

Exploring solutions ensuring sustainable use of biodiversity and the preservation of ecosystem services, including protected areas.

Desired skills / abilities

Biodiversity, ecology, database preparation and analysis, mathematical modelling; some cross-disciplinary experience is desirable.

The IRD Hiring Policy Promotes Gender Equality in the Workplace