



## **Biodiversity and climate change: the importance of ecosystem conservation to generate clean and renewable energy for all SIDE EVENT- IN PERSON**

**COP 26 – Glasgow**

**09 November 2021  
14:00- 15:00 (Glasgow Time)  
Venue**

### **Concept Note**

#### **Background**

Biodiversity and climate change are closely interlinked. Alterations in weather patterns add pressure on ecosystems that already are under the impacts of human activities, like deforestation, overfishing, and pollution. On the other hand, fauna and flora play an essential role in climate regulation and other ecosystem services, such as water production, pollination, soil conservation, among others.

That's why it is vital to address biodiversity and climate change together. This side event will explore the close interconnections between ecosystem conservation, climate regulation, and water security, with an integrated approach to Sustainable Development Goals (SDGs) 6, 7, 13, and 15.

The event will bring together case studies with a special focus on hydropower, showing that green infrastructures around bodies of water are essential to ensuring quantity and quality of water in the long term, not only for energy generation, but for multiple uses, including human consumption, agriculture, fish production, and tourism.

In this context, biodiversity conservation goes beyond planting and protecting trees; it allows fauna species to inhabit the natural landscape. By ensuring rich biodiversity, it is possible to increase the resilience of water and energy infrastructures, with social, environmental, and economic benefits in the long term.

The event organized by ITAIPU Binacional with the support of UNFCCC will bring together multi-stakeholders to discuss and showcase the importance of ecosystem conservation for the energy sector.

#### **Objectives**

1. Provide a space for the exchange and dissemination of knowledge and experiences.



2. Discuss challenges and possible solutions and showcase successful practices in biodiversity conservation as an important factor to build up climate change adaptation and water security.
3. Allow information exchange and the opportunity to learn and discuss the synergies obtained with integrated approaches.
4. Encourage companies to include biodiversity conservation into their planning and operations, considering its long-term benefits.
5. Discuss how technological initiatives and knowledge management support climate action.

### **Participants**

Participants will include representatives from:

Itaipu Binacional, The Nature Conservancy (TNC), Global Environment Facility (GEF), Intergovernmental Panel on Climate Change, United Nations Department on Economic and Social Affairs (UNDESA), United Nations Framework Convention on Climate Change (UNFCCC), and climate leaders.

### **The panel will include:**

1. Opening remarks
2. Presentation of cases by panelists.
3. Discussion and Q&A
4. Summary and closing remarks.

### **Time**

This event will be held at the UNFCCC Pavilion on 9 November, 14:00 to 15:00 (Glasgow Time).

### **Anticipated number of attendances:**

25 to 35 delegates at COP26 plus participants attending virtually. The main audience includes Parties and non-Party stakeholders representing the subnational representatives, private sector, foundations, academia, and NGOs..