



# The GPSC Resource Team

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## The Peer Exchange Session



## **Brasília – Federal District, Brazil**

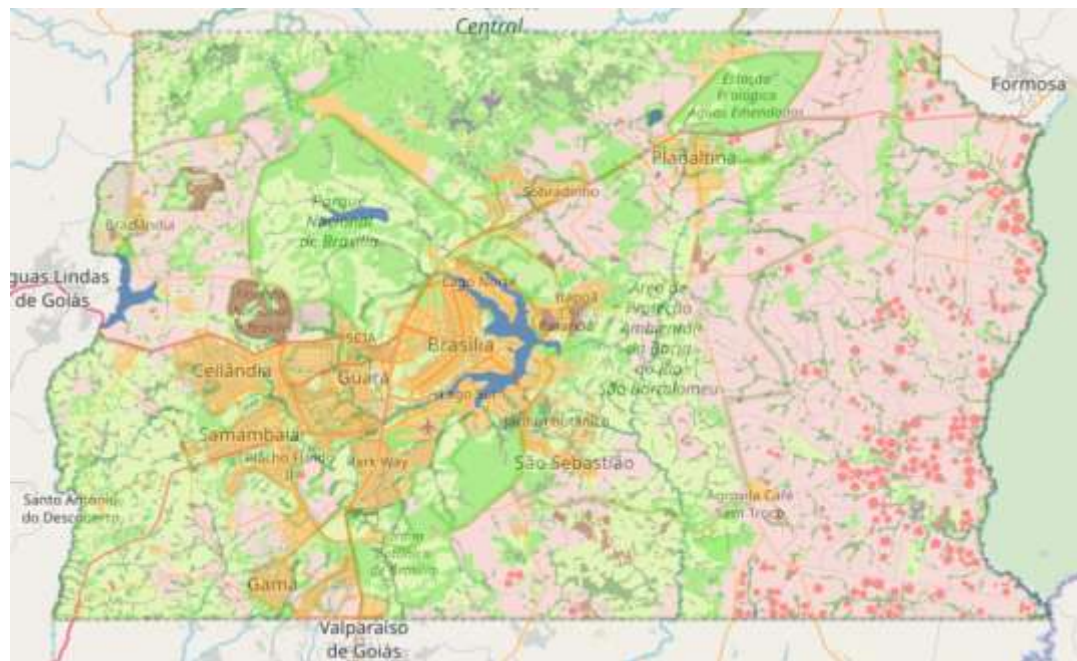
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**Role in the GPSC project:  
Co-Executing Agency - GEF CitiNova Project**



## Brasília - Capital of Brazil - The Federal District

- Created in 1960
- Cerrado Biome
- 5800 km<sup>2</sup>
- Population 2.8M (2017)
- Water – Critical Environment Issue
- Headwaters of tributaries of three major Brazilian Basin (Amazonas, São Francisco and Prata)
- Emissions – 50% Transport, 40% (Solid Waste, Cement Industry)
- Emissions neutralized until 2022





## Environmental Licensing and Payment for Ecosystem Services

- Environmental Compensation – Comes from Environmental Licensing, can only be used in protected areas. Agreement between the environmental public agency and the entrepreneur.
- Payment for Ecosystem Services – the Federal District Law no. 5955 created in August, 2nd 2017, waiting for implementation regulations.



## Sharing Experiences on Financing



### **CITinova - US\$ 6M (non-refundable) - Executing**

- Development of the Environmental Information System-Sisdia (Including Ecosystem Services Map)
- Climate Governance (Including Climate Change Adaptation Plan)
- Recovery of spring areas using Mechanized Agroforestry Systems
- Dump's soil, surface and groundwater contamination diagnosis
- Implementation of photovoltaic energy plants in public buildings (around 5 pilots)



### **Technical Cooperation – US\$ 150k (non-refundable) – Approved**

- Protected Areas and Environmental Compensation Assessment



**Financing – U\$ 150M (refundable) – *Project Preparation***

- Biodiversity preservation - Protected areas infrastructure implementing and management
- Basin recovery - Maranhão River, Preto River, Descoberto River



**Financial Development Fund of the Plata Basin**

**Financing – U\$ 41M (refundable) – *Approved (waiting to sign)***

- Sustainable Agriculture System Implementation (using AFS)
- Recovery of degraded areas on Paranoa Lake border/lip



**€\$ 1.2M (non-refundable) – *Preselected project***

- Water resources integrated management in an urban resilience perspective



## Innovative Solutions on Financing (negotiations started)



In partnership with Brasília Local Bank – BRB to provide low cost financing for the private sector on climate adaptation:

- Public transport - bus fleet replacement (electric/photovoltaic energy)
- Photovoltaic plants for companies and private buildings (residential and commercial)



Financing and PPP

- Bus Rapid Transit (BRT) expansion
- Light Rail implementation



## Challenges

### **Environmental Compensation**

- Low inspection to understand these investments effectiveness and impact

### **Payment for Ecosystem Services**

- Political interest to be implemented

### **Non-refundable financing**

- Huge effort for little money
- There is not much information about the availability of these resources and where they can be accessed

### **Refundable Financing**

- Bureaucracy to be approved
- Sovereign guarantee (in case of international financing with MDB and BDB)

### **Financing and PPP**

- Institutional Arrangement
- High- risk operation