

## Project title : WRICONGO - Readiness assistance to the Republic of Congo to the Green Climate Fund: feasibility of biomass-to-energy projects

Project place	Project cost	Role in the project	Technical and financial sponsors	Dates
Congo - Brazzaville	13 343 USD	International consultant	World Resources Institute, FAO	September 2019 - December 2019

### Project's goals and results

#### Main goals

The Republic of Congo expects to lose until 2020 about 500,000 hectares of forests, due to agro-industrial and mining development. As a result, the country's engagements in terms of reduction of Greenhouse Effect Gases (GEG) emissions taken through the National Determined Contribution (NDC) aim in particular the emissions coming from the Land use, land-use change, and forestry sector, source of more than two-thirds of the GEG emissions of the country. In order to reach this goal, The Republic of Congo expects to benefit from the support from the Green Climate Fund (GCF). The World Resources Institute (WRI) has been asked to help the Congolese government to identify the priorities of the country in the identification of activities to be supported by the GCF. To do this, several studies will be realised to determine technical and financial feasibility of economic activities having an effect in reducing pressure on forestry resources, generating benefits to the rural communities and improve their resilience to climate change. Nitidæ's intervention is framed in one of the components, being the study and development of biomass-to-energy projects eligible to the GCF.

#### Specific objectives

Explore technical and financial feasibility of biomass-to-energy initiatives for energy production

#### Beneficiaries

Food and Agriculture Organization of the United Nations (FAO)  
General Directorate for Sustainable Development  
Ministry of Forest Economy, Sustainable Development and Environment

#### Results

**R1.** Technical and economical feasibility study of biomass-to-energy initiatives at a national level

**R2.** Cost-benefits analysis of the selected and dimensioned projects.

#### Activities

**A1.** Mapping and evaluation of existing projects and sites : waste biomass from forestry and agro-industrial activities, wood-energy plantations, improved carbonisation

**A2.** Selection and analysis of 3 study cases

**A3.** Dimensioning of the projects to be presented to the GCF

**A4.** Estimation of social, economic and carbon mitigation impacts of the selected projects