

Template for Evidence(s) UI GreenMetric Questionnaire

University : IFSULDEMINAS
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[2] Energy and Climate Change (EC)

[2.13] The Number of Innovative Program(s) in Energy and Climate Change



Figure 1: IFSULDEMINAS [IFSOLAR](#) is the project for the [bidding, acquisition and installation of photovoltaic solar plants](#) for the production of solar energy in IFSULDEMINAS, used by public institutions throughout Brazil. Its main objectives are the installation of photovoltaic systems for the generation of electric energy, the follow-up via online monitoring of the performance and economy of the installed systems, the contribution to the reduction of CO2 emissions through the generation of clean energy, the increase of sustainability indices and savings on electricity costs for the network of Federal Institutes and other institutions. For more information, visit the [Energy Management Report 2019/2020](#).



Figure 2: IFSULDEMINAS [IFPLUVIAL](#) is the project for the use of rainwater, with the objective of implementing and/or adapting systems for capturing, storing and using rainwater in order to use it for cleaning external areas (patios and streets), for irrigation (gardens and plantations), in animal facilities (freestall, hospital and veterinary clinic), in the

preservation of hydro sanitary conditions, that is, health and hygiene (toilets and urinals) and for technical reserve of fire fighting. In 2021, IFPLUVIAL project was one of the winners of the [Award for Good Environmental Practices "Sanitation Beyond Basics"](#).



Figure 3: IFSD/DEMINAS [Demonstrative Forest Restoration Units \(UDs\)](#) aiming at the development of research to define the best restoration techniques for the Atlantic Forest biome and which have lower costs. With the results of research in the UD, the aim is to give scale and accessibility to the restoration for producers who need to regularize the environmental liabilities of their properties within the area of influence of the [Plano Conservador da Mantiqueira \(PCM\)](#), a program that aims to restore 1.5 million hectares. The UD were implemented in the Campi Inconfidentes, Machado and Muzambinho of IFSD/DEMINAS with technical and financial support from the non-governmental organization The Nature Conservancy (TNC) and are part of the actions of the PCM. With the first results of the research carried out in the UD, in 2021, the [1st Restaura Mantiqueira Seminar](#) was held, with the theme "Opportunities, challenges, teaching and extension in the decade of restoration", an event organized by the managers of the UD of IFSD/DEMINAS, TNC, WWF, WRI and Conservador da Mantiqueira, in addition to the support of several partners. In 2022, the Demonstration Units were featured in an edition of the TV program [Globo Rural](#).



Figure 4: Electric mobility project [“Poços + Inteligente”](#), a partnership between DME, City Hall, PUC Minas and IFSULDEMINAS, will allow residents and tourists to recharge their electric cars for free at the three charging points. The electric mobility project is a pioneer in the region and was one of 30 projects across the country, approved by the National Electric Energy Agency (ANEEL).

Description:

IFSULDEMINAS has sustainability in its own Mission, and develops several programs and projects related to energy and climate change mitigation, such as these four described.

Source: IFSULDEMINAS.