

# Sustainability at the DPZ -Report for the 1<sup>st</sup> half of 2021

## Introduction

The German Primate Center - Leibniz Institute for Primate Research aims to use all used resources in a sustainable manner.

The sustainability concept is to essentially focus on reducing CO<sub>2</sub> emissions at the DPZ. In so doing, processes are to be analyzed and optimized and operational efficiency increased from the sustainability point of view. Currently, relevant key figures for sustainability management still have to be systematically recorded in order to create the basis for more binding aims. This first sustainability report documents measures taken in recent years, describes measures that are currently initiated and lists measures already in the planning stage that provide a forecast for the future. In cooperation with the respective departments, the report is updated every six months.

## Already implemented measures

### *Consumables*

- **Feed for the animals** at the DPZ is obtained from a wholesaler who operates sustainably and has proven this with a sustainability certificate. In 2020, for example, it was able to show CO<sub>2</sub> savings of 171.9 tons.
- A summary of the **waste** generated at the DPZ and its disposal was created in 2020. About 20 different types of waste are currently collected separately and disposed of accordingly in a professional manner.
- At the DPZ, attention is already being paid to recyclable materials (cardboard containers for food-to-go in the cafeteria).
- For several years, the following consumables have been purchased in a network with other Leibniz Institutes under aspects of sustainability:
  - a) **Office supplies** and FSC-certified paper for printers and copiers
  - b) Since 2016 green electricity from 100% renewable energy (Energie Potsdam)

### *Buildings and energy*

1. The first energy audit was carried out in 2015. The result is a very high savings potential in energy and heat.
2. Measures derived from the energy audits are as follows:
  - Ongoing modernization of the **central building control system** since 2020.
  - Separate **recording of consumption** data of heat, electricity, cooling, steam and water of all buildings (see below).
  - Cost estimate for the construction of a **combined heat and power plant** in 2017. This was not pursued - mainly due to the very high supply costs for the gas pipeline.

### *Information Technology*

- Energy-efficient cooling of the server and storage systems through direct cooling of the air in the server rack.
- Power-saving settings for standby times of Cisco VoIP phones during off-hours and weekends; disabling the display.

### *Mobility*

- In 2020, the DPZ started to evaluate the annual mobility data for **business trips**.
- At the DPZ head of department meeting it was discussed to following the recommendation of the Junge Akademie (Leopoldina) and to generally **travel by train** within Germany or to fly only for distances of 1000 km or more. A formal decision is pending.

## Already initiated measures

### *Buildings and energy*

- **Consumption data** for electricity, water and cooling supply will be recorded for the first time in 2020 through the purchasing and installation of metering devices for the following building units:
  - o MRI building, breeding extension, modules G4/G5, octagon, animal house 1 and 2, main building (sanitary center), steam supply and large refrigeration.
- Renewed cost estimate for the construction of a **CHP unit** and review of various financing models was commissioned in May 2020. Results are expected in 07/21.
- Annual audit of **steam generation** in order to improve monitoring of consumption
- In cooperation with the HAWK, an MA thesis to determine the **carbon footprint** of the DPZ was offered by the DPZ. The implementation is planned for the fall and results are expected at the end of 2021.
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### *Information Technology*

- Standardization, renewal and reduction of printers and multifunction devices at the DPZ. This is expected to reduce energy and toner consumption, printing and paper consumption. All system devices have sustainable default settings for device standby times and duplex printing.

### *Biodiversity*

- Strengthening biodiversity at the DPZ: the creation of a biotope to support the biodiversity of flora and fauna is being planned on a section of the DPZ. Funding has been applied for and a contribution from the DPZ has been promised. It is planned to start sometime this year (2021).

### *Project structure of sustainability management at the DPZ*

- In order to make sustainability a topic for the entire company, a steering group has been established to develop the project structure for a sustainability concept.

## Planned measures

### *Sustainability management*

- Sustainability goals at the DPZ are integrated in the DPZ guiding principles
- In September 2021 we will have a climate day
- Quantified CO2 savings targets are to be developed as part of a master's thesis; the proposal has been issued.
- Reduction of oil consumption through optimization of the steam generating plant
- Sustainability is used as a standard criterion in procurement procedures

Göttingen, June 2021