

Environmental responsibility on the WIPO Campus



Foreword



Climate change is one of the greatest threats ever faced by society. Human activity, including decades of industrial development, has damaged our planet. Widespread pollution and spiralling consumption of the world's mineral and biological reserves have put unprecedented stress on the environment.

As human activity caused the problem, so too can human activity find the solutions. Green innovation – the development and diffusion of technological means to tackle climate change – is key to halting the depletion of the earth's resources. The race has started to develop accessible alternative sources of energy.

A balanced IP system has an extremely important role to play in fostering the creation, diffusion and application of clean technologies. The power of human ingenuity is our best hope for restoring the delicate balance between ourselves and our environment. It is our greatest asset in finding solutions to this global challenge, enabling us to move forward from the carbon-based, gray technologies of the past to the carbon-neutral, green innovation of the future. This brochure presents a selection of highlights of WIPO's commitment and implementation on the WIPO Campus.

Francis Gurry
Director General



WIPO has been carbon neutral since 2014



2014

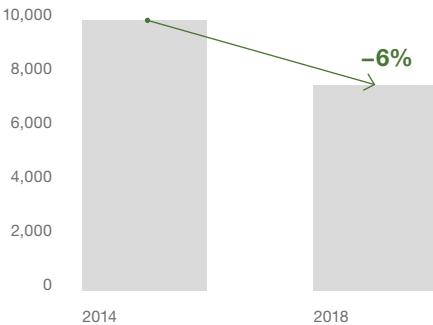
First edition of WIPO Green House Gas (GHG) calculation

2015-20

WIPO commits to Climate Neutrality until 2020 and purchases Certified Emission Reduction through the framework of UNFCCC to offset 2014 to 2020 expected unavoidable GHG emissions

GHG emissions trend, 2018 v. 2014

(in tonnes of CO₂ equivalent)



-6% = 2,422 tonnes of CO₂ equivalent saved since 2014

≈

2,400 Geneva-NY roundtrip flights (per passenger)

Total emissions from WIPO offices worldwide include facilities (25%) and travel (75%).

Facilities include electricity, cooling, heating, water, etc.

Travel includes air, train and taxi travel, for staff and third parties, based on number of miles and class of travel.

2014 share of some air travel components were based on estimates since actuals were not available.

Yearly compensation of unavoidable emissions



Certificate

presented to

the World Intellectual Property Organization

To confirm the voluntary cancellation of 5,996 Adaptation Fund Certified Emission Reductions from the Clean Development Mechanism for the purpose of compensating the unavoidable greenhouse gas emissions from the facility and travel operations in 2017 of the World Intellectual Property Organization while supporting mitigation and adaptation projects.

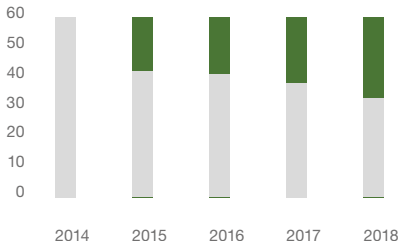
Patricia Espinosa
Patricia Espinosa
Executive Secretary

Climate Neutral Now
27 December 2018
Serial No. 10114-017

Reduced energy consumption generated by facilities operations

Water consumption

(amounts in thousands of m³)

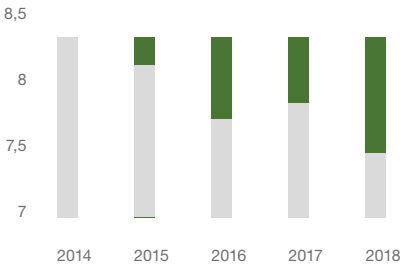


Minimum of 84,000 m³ water saved in 4 years – the equivalent of 28 Olympic-size swimming pools

Main sources of reduced consumption: renovation of water pipes of the main WIPO building, optimization of the programming of the outside irrigation system, and leakage detection and corrective measures

Electricity consumption*

(amounts in millions of Kwh)



* Varies with the weather conditions.

At least 2,199,451 Kwh saved in 4 years – the equivalent of 109 trips around the world with an electric car

Main sources of reduced consumption:

- Optimization of the lighting installations, i.e. decrease in the number of traditional light bulbs or tubes, installation of presence detectors, installation of low-energy LED lights
- Automatic switching off of office lights at 12.30 p.m. and 7.00 p.m. in several buildings



Strategic choices in favor of innovative renewable energy sources

Photos: WIPO / © Berrod



WIPO Conference Hall

- Structure in Swiss wood
- Interior paneling and exterior cladding in European wood
- Innovative concept of hybrid ventilation combining natural and mechanical methods
- Natural light



1,800 m² of living roofs

- NB building and access center roofs planted with more than 40 varieties of flowering plants and grasses
- Supports biodiversity
- Improves thermal insulation of the roof
- Saves energy
- Better drainage



Hydroelectricity

- Hydroelectricity is required by WIPO in its contract with the electricity supplier
- Local energy
- 100% renewable

Since end 2015, six of the WIPO campus buildings are cooled by Lake Geneva water, allowing for energy and water savings

Non-motorized travel initiatives

Inter-agency initiative

Since 2015, WIPO has been working with UNOG, ITU and GenèveRoule to loan electric bikes to staff of international organizations, Geneva residents and tourists

- 20 e-bikes available from May to October
- 5,200 loans of e-bikes, 84,000 km travelled and 18 tonnes of CO₂ equivalent avoided in 2018

Supporting sustainable transport

609 **free public transport day passes** distributed to WIPO staff in 2018

1,600 **trips made on e-bikes** by WIPO staff in 2018 (WIPO and GenèveRoule e-bikes)

250 **WIPO staff personal bicycles repaired** since 2014 thanks to periodic bike repair stands



Environmental initiatives to reduce plastic waste

Use of an **eco-friendly take-away re-usable food container** reduces consumption of single-use containers in WIPO cafeterias*

Biodegradable water cups are available on office floors and in meeting rooms

20% of drinking water fountains are **connected to the main water supply**, resulting in 24,000 liters of bottled water avoided each year

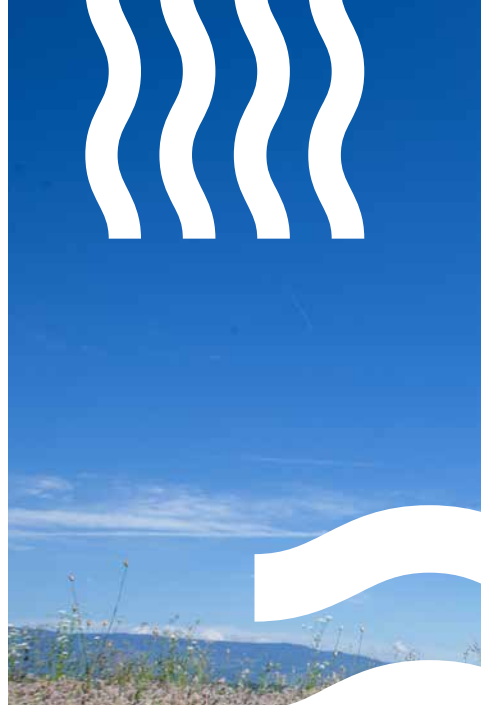
94% reduction of coffee cup consumption in one year. All cups made from vegetable fiber since 2017*



* Coffee cups and container initiatives set up in partnership with the caterer under contract.



For information and suggestions related to WIPO and climate action, please write to carbon.neutrality@wipo.int



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Cover: View from the roof of the
New Building, WIPO / © Berrod

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