

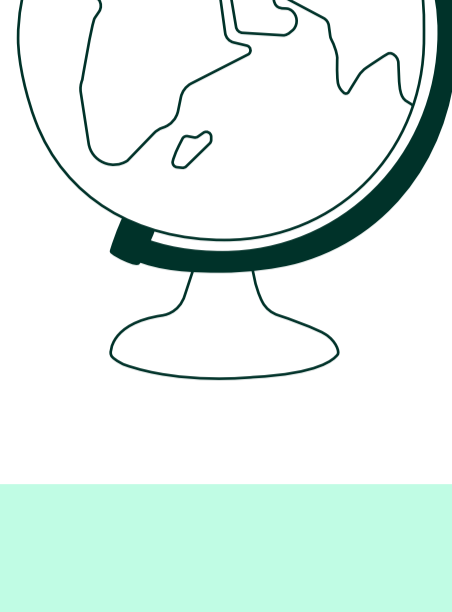
# Sustainable Development for Generations

# MORE GREEN



## A healthy planet is a prerequisite for healthy people, animals and communities

Environmental pollution (whether in air, soil or water), global warming, water scarcity, biodiversity loss, increasing waste, plastics in the oceans and food chains, antimicrobial resistances, etc. all impact our health. Addressing environmental challenges and contributing towards making our planet healthier, means that not only are we acting on environmental needs, but also human, animal and societal healthcare needs.



### Did you know...



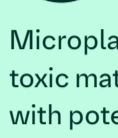
Between 2030 and 2050, climate change is expected to cause ca. 250,000 deaths per year. Correlated direct damage costs to health is estimated to be between USD 2–4 billion per year by 2030.<sup>1</sup>



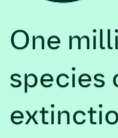
An estimated 1.27 million people die annually from drug-resistant infections that can originate in contaminated waterways.<sup>2</sup>



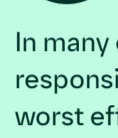
Climate change and extreme weather events can lead to increased respiratory and heart diseases, injuries, premature deaths, alterations in the occurrence of food and waterborne illnesses, and can impact mental health.<sup>3</sup>



Microplastics introduce toxic materials associated with potential health risks into human and animal food chains.

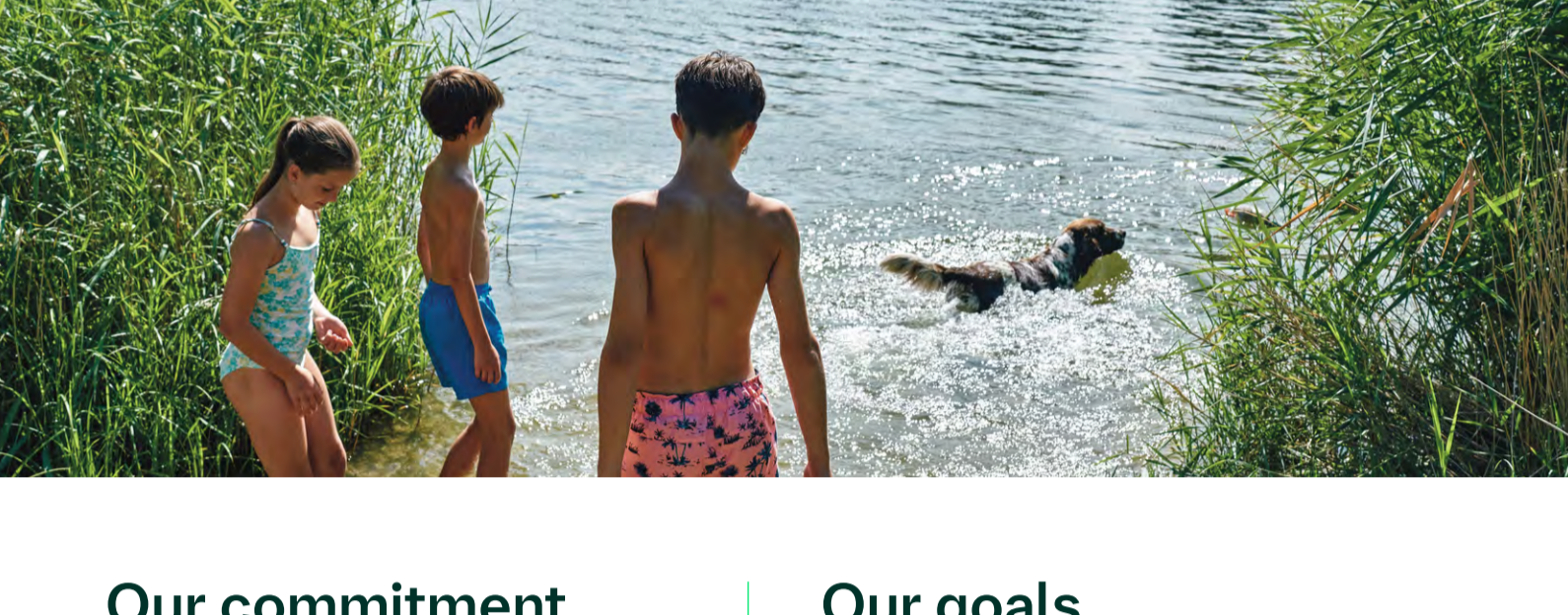


One million animal and plant species currently risk extinction<sup>4</sup>, creating a significant threat to biodiversity, eco-systems and food security.



In many cases, those least responsible suffer the worst effects on their health and livelihoods.<sup>5</sup>

<sup>1</sup>WHO, <sup>2</sup>UICC, <sup>3</sup>CDC, <sup>4</sup>UN, <sup>5</sup>WHO



## Our commitment

Through our MORE GREEN pillar, we strive to become even more environmentally sustainable, by continuously working towards minimizing our environmental footprint.

Our mission is to protect the health of people, animals and communities by investing and implementing environmentally sustainable solutions, emphasizing collaboration with our partners and ensuring alignment with the UN Sustainable Development Goals.

## Our goals

By 2030, we aim to:

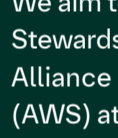
- be carbon neutral in our business operations (Scope 1 and 2)<sup>6</sup>
- cut our resource footprint by half across the value chain and
- continue to create best practices in a range of areas, from water stewardship and waste-to-landfill to tackling anti-microbial resistance.

<sup>6</sup>Scope 1 – All direct emissions from activities of the company and under the control of Boehringer Ingelheim.

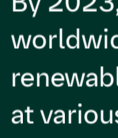
<sup>7</sup>Scope 2 – Indirect emissions created through purchased energy and used by Boehringer Ingelheim for company operations.

## Significant milestones accomplished:

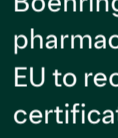
Our commitment to environmental stewardship is underscored by numerous programs and initiatives, many of which have been active for over a decade.



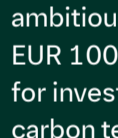
In 2023 our ambitious greenhouse gas emission reduction targets (Scope 1, 2 and 3<sup>7</sup>) were validated and approved by the Science Based Target initiative (SBTI)<sup>8</sup>.



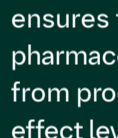
Eight of our sites worldwide have now been certified as carbon-neutral.



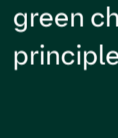
In 2021, our production site in Shanghai, China, was the first to achieve a "Zero Waste to Landfill" certification, followed in 2023 by Sant Cugat (Spain) and Dortmund (Germany).



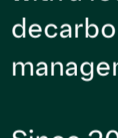
We aim to implement a "Water Stewardship" certification by the Alliance for Water Stewardship (AWS) at all sites affected by water scarcity. To date, our production sites in Fremont (USA), and Promeco (Mexico) are AWS certified.



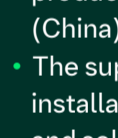
By 2023, over 70% of our worldwide electricity was renewable, thanks to transitions at various sites and the launch of a 1.2 MW solar plant at our corporate headquarters. A new biomass power plant is set to begin operations there in 2024.



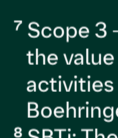
Boehringer was the first pharmaceutical company in the EU to receive the "GreenCanteen" certification for its catering concept in Ingelheim in 2021 – followed by our canteen in Dortmund in 2022. Ingelheim was recertified in 2024, meeting the most stringent standards in the industry.



We have implemented an ambitious internal carbon price of EUR 100 per ton CO<sub>2</sub> emissions for investments to foster low carbon technologies and solutions.



Our 'Clean Water Initiative' ensures traces of pharmaceuticals in wastewater from production remain below effect level; and aims to drive levels down even further in collaboration with suppliers.



We made it mandatory to apply green chemistry and eco-design principles to all new products.



The 'MORE GREEN Fund' provides an additional 130 million EUR to promote sustainable technologies and solutions for internal projects, with a focus on circular economy, decarbonization, water management, and biodiversity.

Recent examples include:

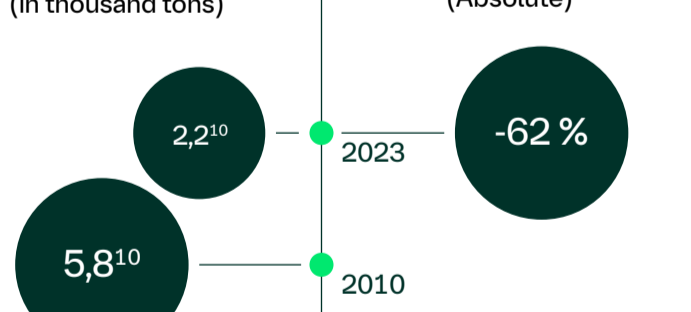
- Increase of on-site renewable energy generation through a solar panel system at our production site in Shanghai (China).
- The support of the installation of biogas plants and solar panels in our Making More Health supported community in Webuye (Kenya). This also help to ensure that vaccines and medications are stored safely and environmentally sustainably.

<sup>7</sup> Scope 3 – All other emissions along the value chain, resulting from activities or sources outside of Boehringer control.

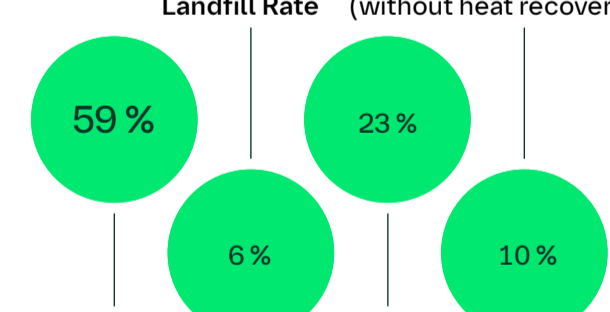
<sup>8</sup> SBTi: The SBTi a collaboration between CDP, the UN Global Compact, WRI, and WWF, empowers businesses to set robust emissions reduction targets. As part of the We Mean Business Coalition, it aims to help companies globally align their climate goals with science, aiming for halving emissions by 2030 and achieving net-zero by 2050. More info at <https://sciencebasedtargets.org/>.

## Where we stand (2023)<sup>9</sup>:

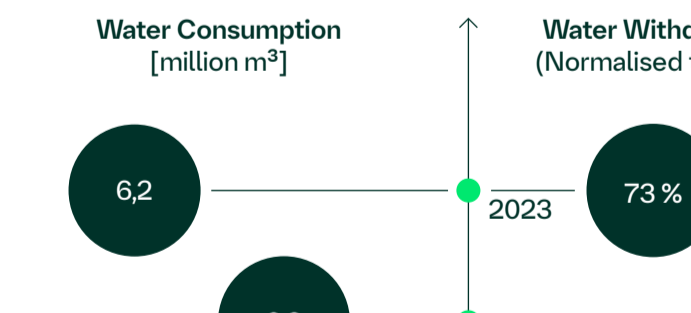
### Renewable energy



### Greenhouse gas emissions



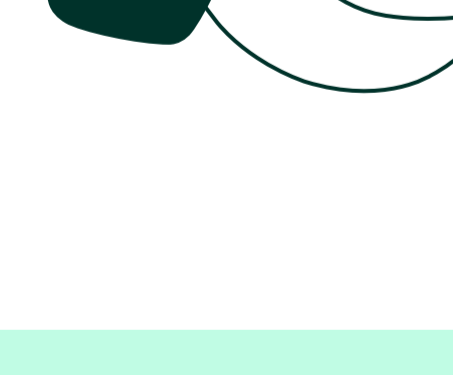
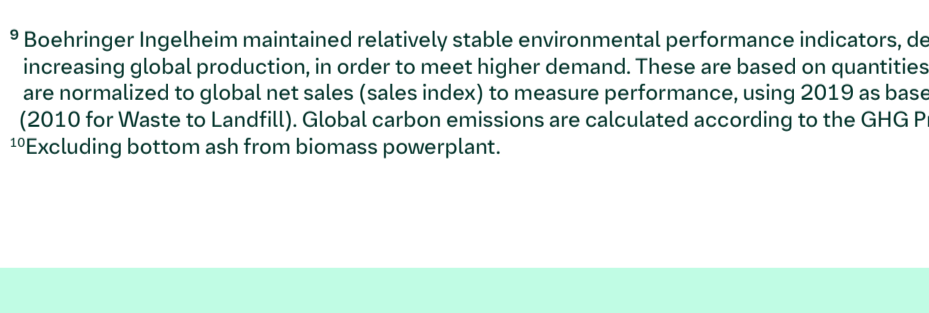
### Waste reduction



### Waste rates



### Water use reduction



<sup>9</sup> Boehringer Ingelheim maintained relatively stable environmental performance indicators, despite increasing global production, in order to meet higher demand. These are based on quantities and are normalized to global net sales (sales index) to measure performance, using 2019 as base year (2010 for Waste to Landfill). Global carbon emissions are calculated according to the GHG Protocol.

<sup>10</sup> Excluding bottom ash from biomass powerplant.

## Impact through collaboration

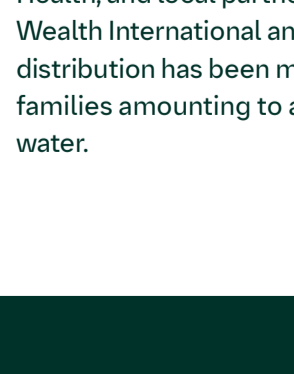
Through our holistic approach, we address correlated environmental and healthcare challenges, to improve the health for both humans and animals. By enabling collaboration with other partners and initiatives, we aim to create greater shared value for all.



### Examples include:



Since 2019, we have increased climate contributions beyond our value chain to 15 carbon reduction projects in 11 countries worldwide, together with our partner ClimateSeed – with more than 230,000 tCO<sub>2</sub>e captured or avoided. Whether in areas of reforestation, biodiversity or clean energy, these environmental projects also add social value by providing economic, educational and health opportunities for impacted communities, such as in Canada, China, Malawi and Peru.



Solar powered water towers are built and WADI devices were provided in Bungoma County, Kenya, where about 1.3 million residents have an average distance of 1.5 km to the closest water source. This is a collaboration between MORE GREEN, Making More Health, and local partners like Core Health and Wealth International and Helioz. In 2023, this water distribution has been made accessible to 1,100 families amounting to a total of 956,400 liters of water.

"Through our MORE GREEN pillar, we channel our commitment to environmental stewardship, a crucial element in our pursuit of pioneering therapies that have the power to transform lives. We know that a healthier planet lays the foundation for healthier humans and animals, and this understanding guides us in developing more sustainable therapies while addressing both existing and emerging health challenges."



Dr. Paola Casarosa  
Member of the Board of Managing Directors of Boehringer Ingelheim, Head of Innovation Unit