



Why does biodiversity

MATTER?

Solvay has set out to reduce its pressure on biodiversity by 30 % before 2030.

But why is biodiversity so important exactly? Let's find out!

What is biodiversity?

Biodiversity spans the spectrum of life on Earth, from microorganisms to plants, animals and entire ecosystems. Yet it's not just the sum of its parts. The concept of biodiversity actually refers to the complex interdependence of species within a defined ecosystem. It provides an array of services that all contribute to making Earth habitable.

50 +million species are thought

to exist on our planet, although only 8 million have been formally identified.

70% of biodiversity on

the Earth's surface is concentrated in just 17 countries.

3.5 billion years of trial, error

and evolution have led to the current complexity of

the world's GDP

money be the measure

How do we depend on diverse life?

We tend to forget it but we're all part of – and depend on – very complex ecosystems. Keeping these ecosystems healthy is essential to humankind's survival in the long run.

Plants and trees break down the polluting chemicals

contained in the air we

Clean air

breathe. They also limit the emission of such pollutants by cooling down the air.

Water biodiversity provides food, nutrients

Freshwater

and filtration essential to human livelihood and health. It also helps eliminate pollutants such as nitrogen dioxide.

Biodiversity

provides us

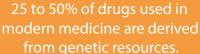
with...



Biodiversity is key to maintaining or even increasing

Food

the world's food supply. It ensures the sustainable productivity of soil and provides genetic resources for all crops, livestock and marine species harvested for food.



Maintaining biodiversity

Medicines

hotspots also protects us from infectious diseases associated with wildlife.

Shelter Biodiversity mitigates the

impact of natural disasters. **Experts suggest that better** managed mangroves, forests

or coastal wetlands could considerably lessen the loss of human lives and damage to property.



Jobs

The agricultural sector

accounts for almost 30% of

over 1.6 billion people.



All playing a part

A few concrete examples!

What's better than a long speech on the importance of biodiversity?

other mammal populations. This allows the vegetation to regenerate and feed other

essential species.

Wolves

Wolves have long proven their utility, be it in the Russian Steppe, the US or Europe where they regulate

reptiles and mammals!

Earthworms

Earthworms make our soil healthier by enhancing decomposition, nutrient cycling and soil structure. They are also the main source of food for various birds, insects,

Coral reefs shelter 25% of the marine life on our planet, including some of the species

Coral reefs

erosion and can even be used to treat conditions like

Coming together for NATURE

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