How ICT Technology Enables A Greener World

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We Believe： ICT Technology Enables A Greener World

- According to Huawei’ s Global Industry Vision, in 2025, average carbon emissions per ICT connection will drop to 15kg, a massive decrease of 80% relative to 2015 levels.

- ICT-enabled power savings and carbon emission reductions will far exceed the industry's own, helping greatly conserve energy and reduce emissions worldwide.

- ICT is creating a better future for humanity, and will play a key role in achieving the UN's Sustainable Development Goals (SDGs).

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Being a responsible corporate citizen, environmental protection has been integrated into Huawei's corporate sustainable development strategy

Digital Inclusion

Making technology accessible to all

Security and Trustworthiness

Taking due responsibilities for greater trust

Environmental Protection

Contributing to a clean, efficient, low-carbon, and circular economy

Healthy and Harmonious Ecosystem

Collaborating for a common good

Huawei's Sustainability Report

https://www.huawei.com/en/about-huawei/sustainability/sustainability-report

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Based on ICT technology, Huawei takes action in four major directions

Tech. for a Better Planet

Reducing carbon emissions

Promoting renewable energy

Contributing to a circular economy

Conserving nature

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Reduce Carboon Footprint

Reduce GHG Emissions

Scope 1
Reduce direct emissions

Scope 2
Lower indirect emissions caused by purchased electricity and steam

Scope 3
Encourage indirect emissions reduction caused by supplier, logistics, product usage by customer, etc.

Key approaches for Scope 1&2

- Build photovoltaic power station on the campus
- Energy-saving operational management each year

Key approaches for Scope 3

- Technology innovation for higher product energy efficiency
- Green logistics system
- Supplier energy-saving projects

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Promoting renewable energy

Huawei Digital Power Business

170+ countries and regions **Serving 1/3 of the world´s population**

Smart PV

MET MVM enel adani ALTEO

Solar TOP supplier
175GW smart PV plant

WWF

FusionSolar smart PV solution successfully selected as 2020 - 2021 WWF Climate Solver Awarding Technology

Data center facility

Dubai Electricity & Water Authority zain M( )RO Batelco colt

Prefabricated modular DC
31% global market share

Modular UPS
41.9% global market shares

Huawei data center facility won the DCS Award from a European data center authority

Site power

stc etisalat zain ooredoo vodafone

TOP supplier

340+ Telecoms & TowerCos

ITU

Huawei green 5G power solution won ITU Global Industry Awards: Sustainable Impact

Working With Partners to Promote Renewable Energy Worldwide

482.9 billion kWh
Generate green power

14.2 billion kWh
Save power

230 million tons
Reduce carbon emissions

320 million trees
Equivalent to planting

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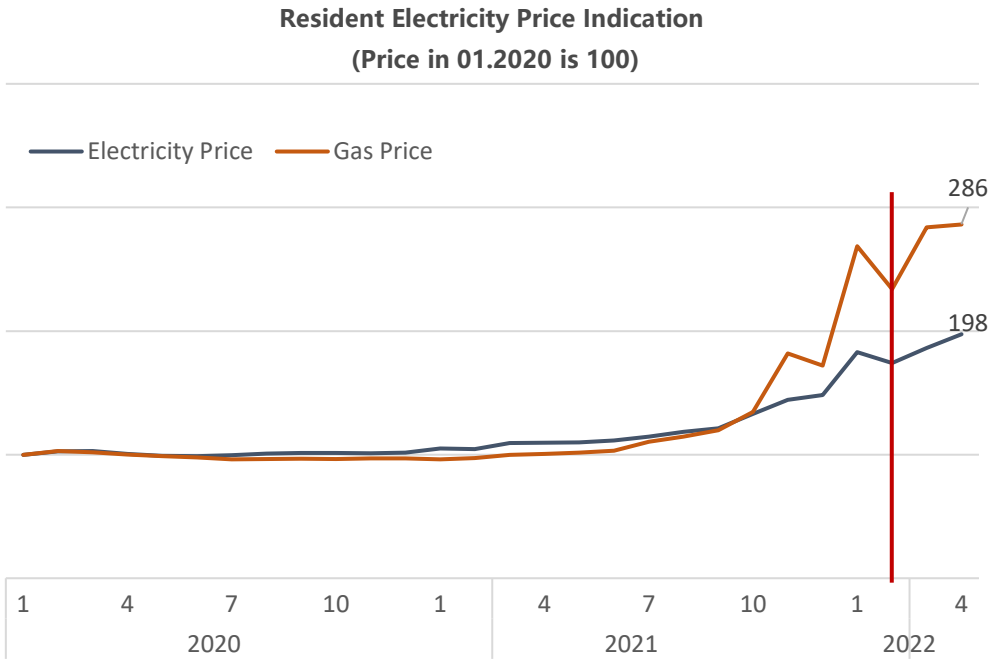
Energy Resource Challenge

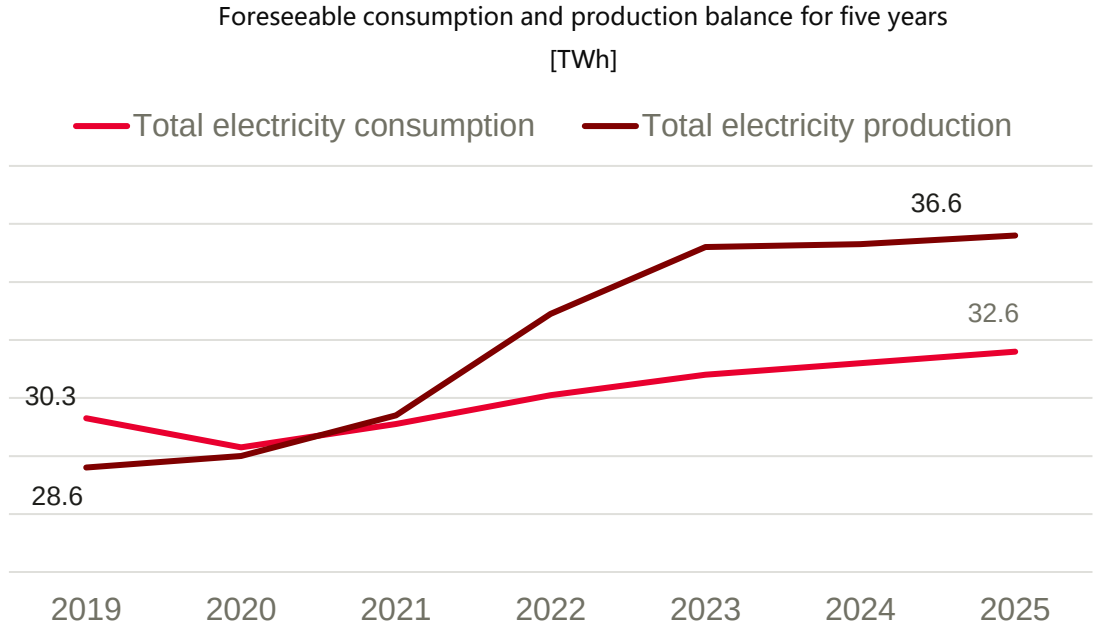
European Residential Electricity and Gas Prices Soar

- European household energy prices start to rise rapidly from the second half of 2021
- **Compared with January 2020, the electricity price of 2022.04 is 1.98 times higher than that of January 2020. Natural gas prices rose to 2.86 times**



Predicted evolution of electricity supply over the next 5 years in Slovakia

- Electricity production in the Slovakia will be affected by the interaction of the development of the Slovakia source mix, primary fuel prices, emissions and power electricity on the basis of EU climate and energy targets in the framework of the pan-European electricity market.
- The short-term outlook for electricity consumption is influenced by the expected decline in GDP creation in the national economy due to the effects of the COVID-19 pandemic.



To sustain the energy price in the long-term, it is necessary to install renewable energy sources

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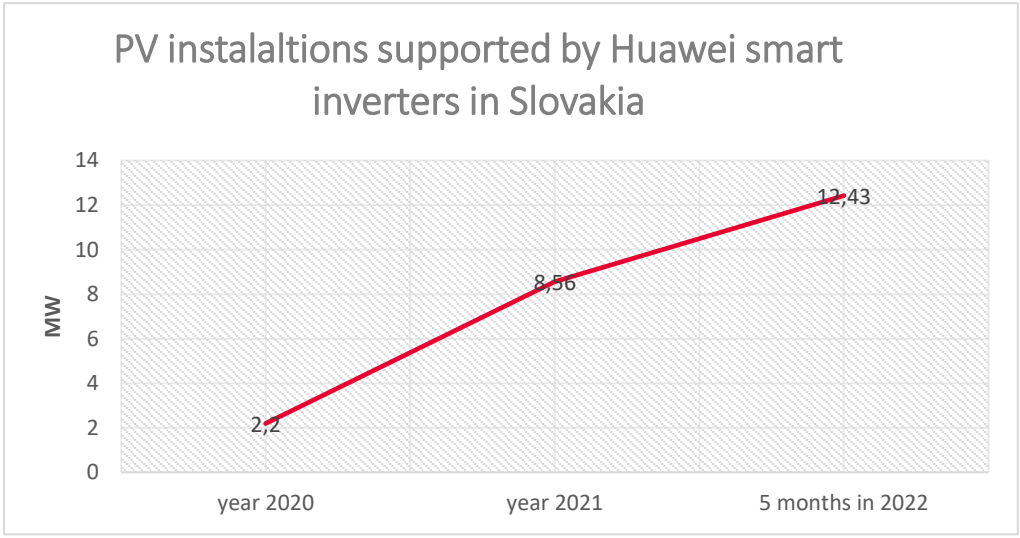
Promoting renewable energy in Slovakia

Smart PV

- **Since 2020** till these days Huawei supported PV installations in Slovakia by delivering smart inverters in **total volume bigger than 23 MW**
- **In 2030** is expected that installed capacity of solar plants should be at least **120MW** which should represent 126GWh of production
- The **share of energy from renewable sources** should reach **19.2% in 2030**, actual share by end of **2020** is **17,4%**
- In Recovery and resilience plan for Slovakia is allocated 232M EUR to support investment for green energy and energy infrastructure



Site power

- Huawei is supporting **telecom operators** in Slovakia to be more green and also save interesting amount on electricity fee with implement Huawei's iSolar solution on their sites across whole Slovakia
- Since telecom operators are quite significant electricity consumers, by implanting **PV solutions** on site can significantly contribute to reach **Slovakia green targets – zero CO2 emissions by 2050**

PV Installation in Slovakia

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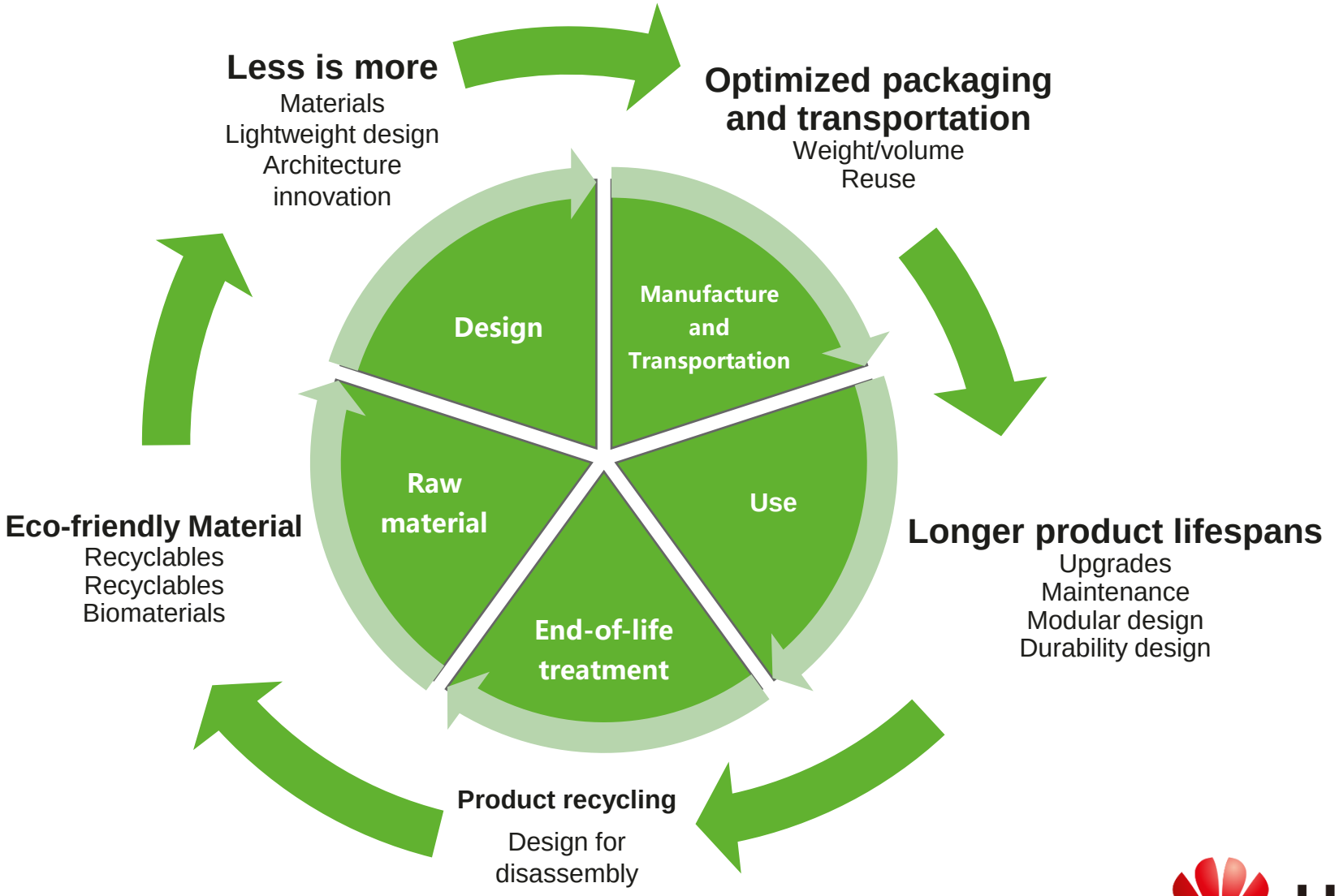
Integrate the Circular Economy Concept into the Entire Lifecycle of Products



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Conserving nature

Huawei's long-term digital inclusion Initiative
Leaving no one behind Digital World

Environment Domain

Conserving nature with technology

Target Beneficiaries

Conservationists, ecologists, rangers in the high-value conservation areas

Objective

- **Better protecting biodiversity**

  Innovative digital solutions to study biodiversity

  More targeted measures to protect biodiversity

- **Improve efficiency of conservationists**

  Digital tools to improve the management efficiency in protect area

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Natural Environment and Biodiversity Protection by Technology

Saving the Atlantic Salmon in Norway

Atlantic salmon, the local wild salmon fish species, are threatened by large invasions of humpback salmon and framed fish species

A new way to protect biodiversity

Collecting images and videos

Real-time identify based on Huawei AI

Prevent Invasion of species
Protect ecological sustainability

Battling Biodiversity Loss in Austria's Wetlands

Use smart technologies & AI to research the bird world in the reed belt and to derive suitable protective measures from the results.

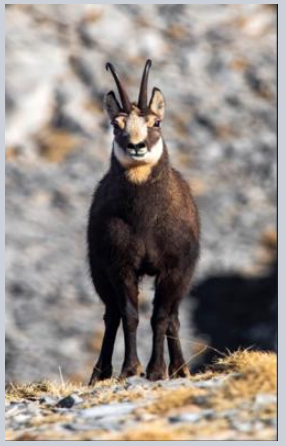
Environment sounds collection

AI Analysis

Environment research

Protect the national park ecological environments for the birds and other creatures

Protecting Wildlife in Greece with a Shield of Sound



Challenges

Rising illegal logging and poaching in Aoos Gorge threatens the survival of the Balkan chamois and other wildlife

Actions

Deploy → Record & AI Training → Identify & Alert

Hours of sound recorded
7,000+

Gunshots detected
5

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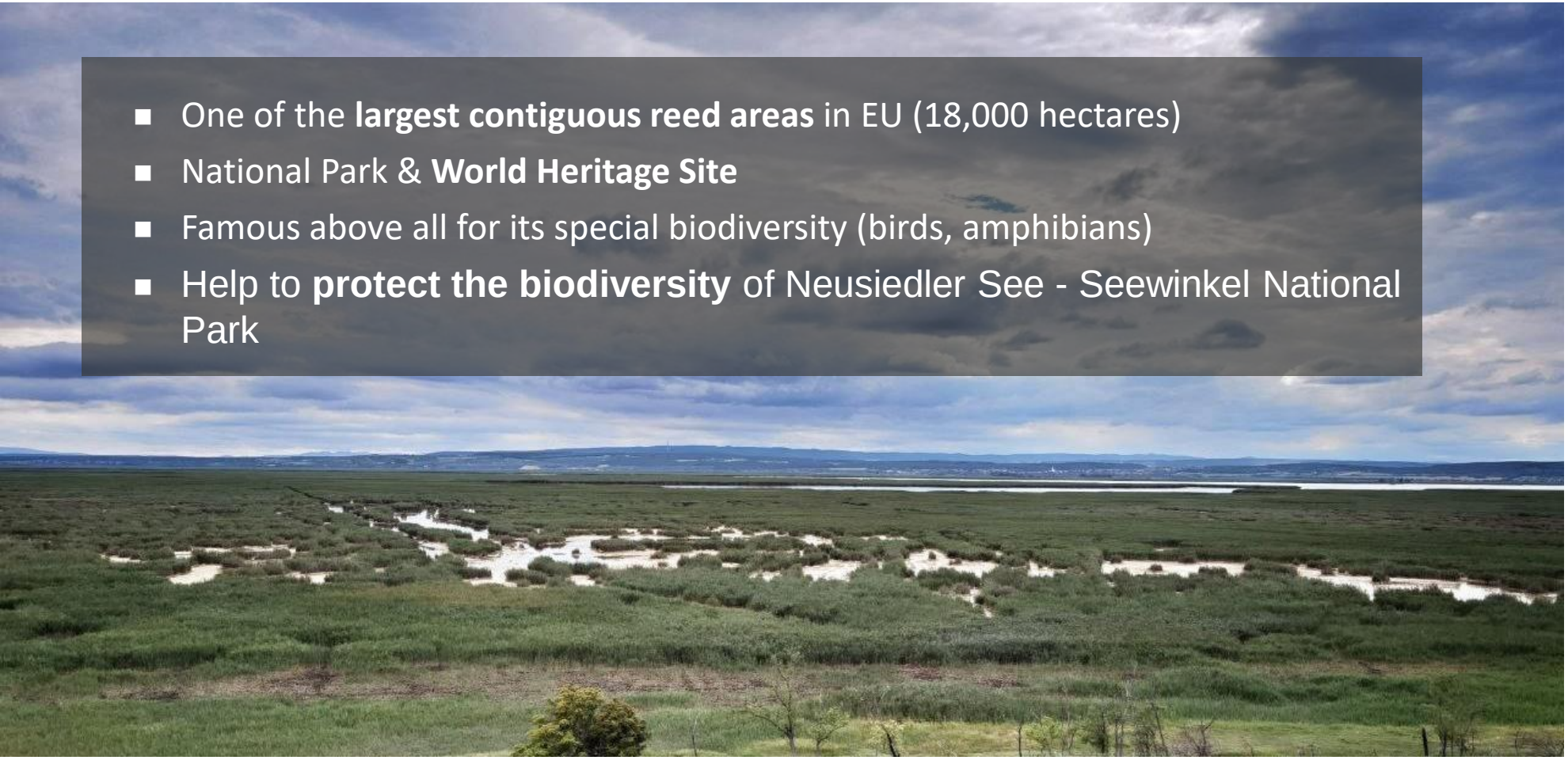
TECH4ALL Austria I Neusiedler See-Seewinkel Nationalpark



- One of the **largest contiguous reed areas** in EU (18,000 hectares)
- National Park & **World Heritage Site**
- Famous above all for its special biodiversity (birds, amphibians)
- Help to **protect the biodiversity** of Neusiedler See - Seewinkel National Park

- 2 online devices (guardians)
- 70 offline devices (edges)
- appr. 4,000 GB data collected
- appr. 11,600 hrs sound recorded
- appr. 700,000 files collected

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Thank you.