



# Dr. Silke Bagschik

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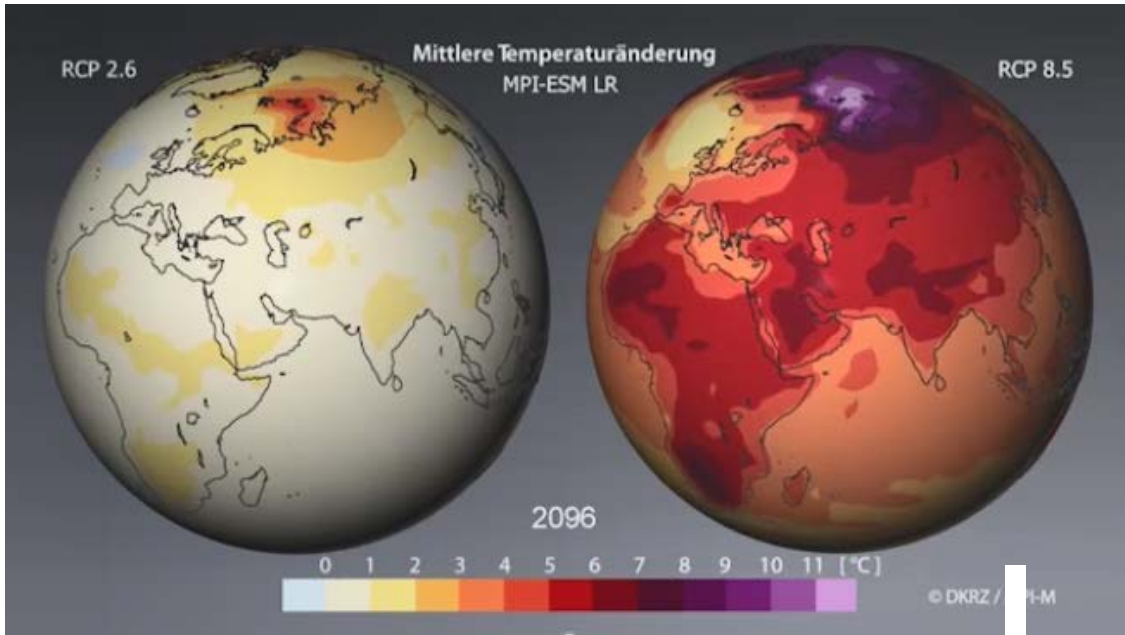
# The joy of going electric



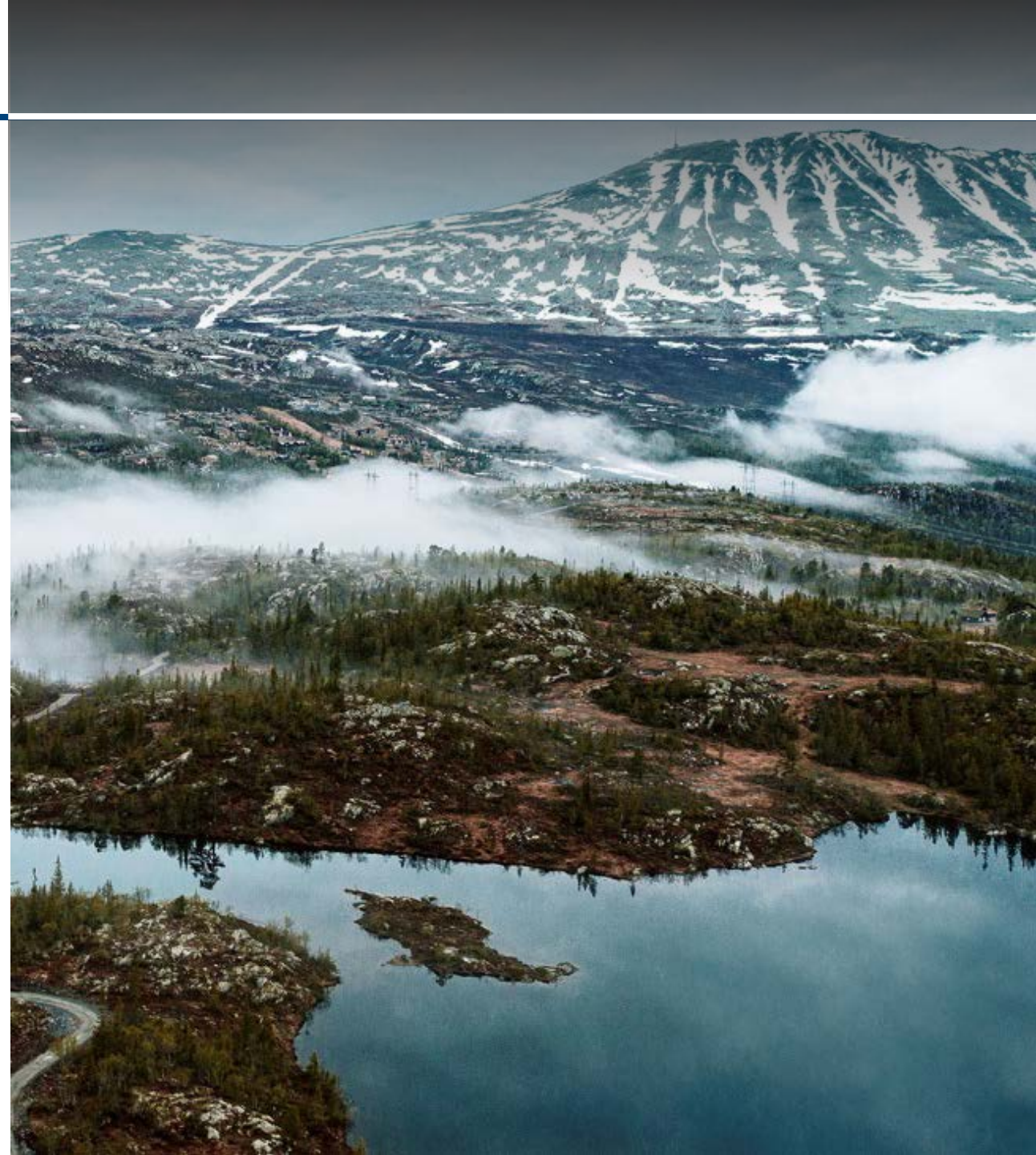


# German Climate Data Centre (DKRZ)

## Simulation of global warming



We need to limit global warming to "well below 2°C" at the end of the century compared to pre-industrial times.





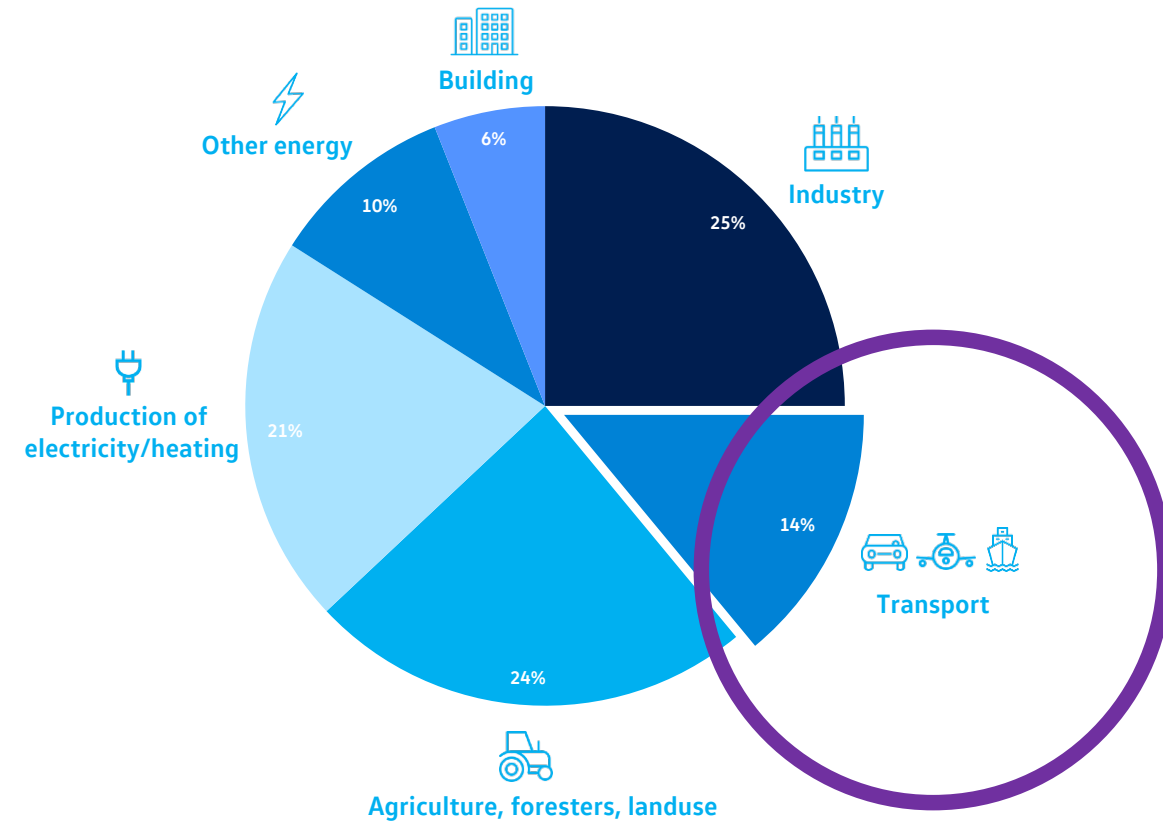
| The transport sector is responsible for 1/7 of direct global CO2 emissions.

| The Volkswagen Groups vehicles cause 1% of all CO2 emissions worldwide

| Volkswagen as first OEM to commit to Paris climate targets



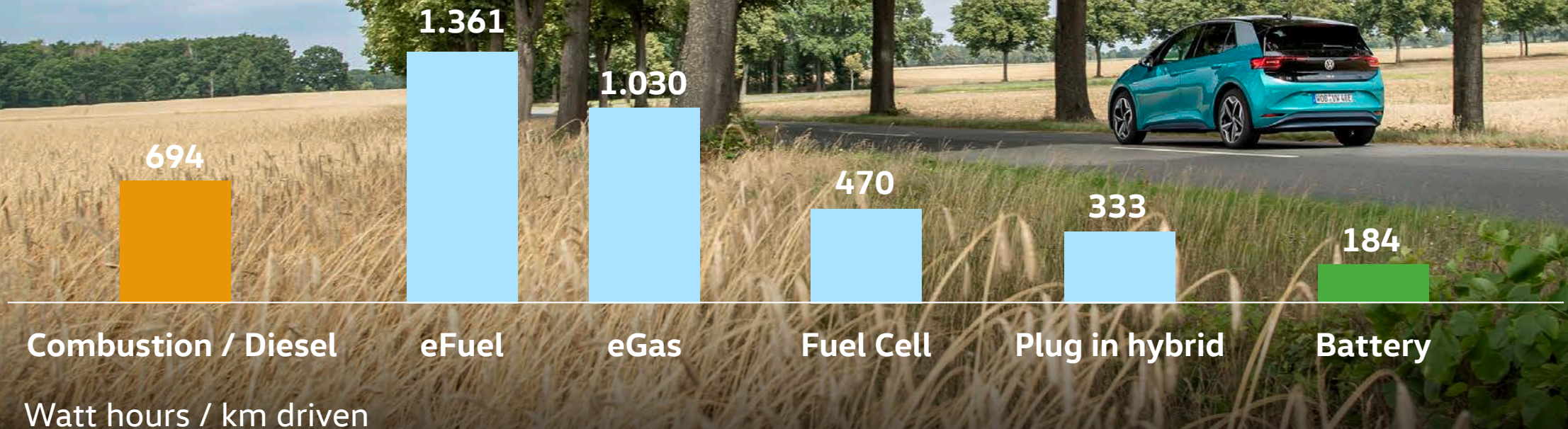
## CO2 emissions of the automotive industry





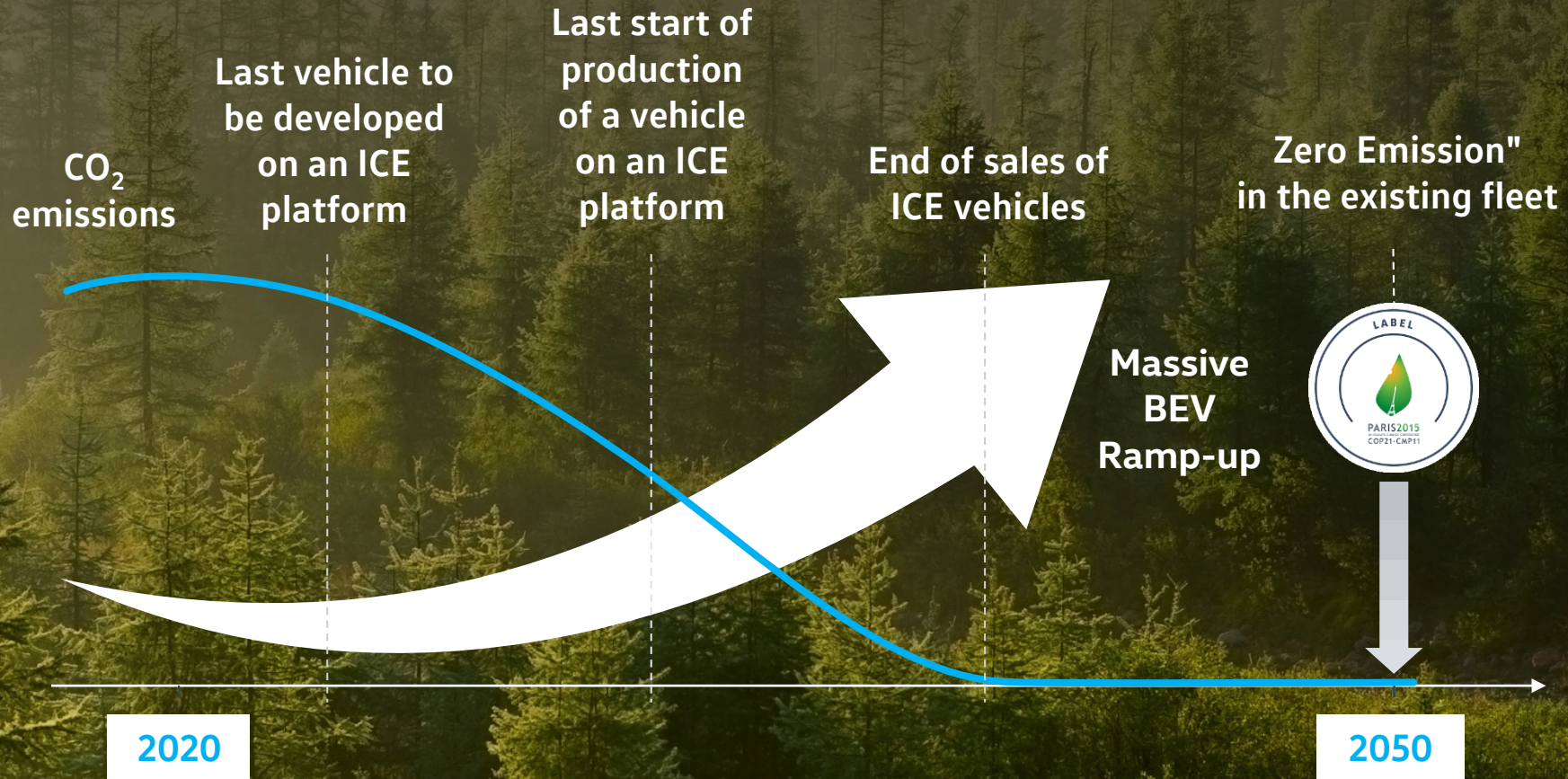
# Electric vehicles – the best solution for lowest CO2 emissions

Energy of 6l Diesel = 100 km with TDI  
= 300 km with ID.3





# The massive BEV Ramp-up happens now!





# The ID. Family



Volkswagen Design







**Next: ID.5**





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# Next: ID.BUZZ

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# To come: Long Range Business Mobility





# To come: Entry mobility





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**Beyond ID.**

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# Beyond ID:

To maximize the climate impact of our BEV technology we are open to share with other car manufactures

**1** Large range



**2** attractive costs



**3** maximum security



**4** robustness



**5** worldwide use



**6** long lifespan



**7** high performance



**8** designed for fast charging





**Beyond ID:**  
Each ID. is delivered CO2 neutral ...  
and impacts the CO2 emissions of the automotive supply chain



**0** 

**100 % green energy in battery cell production**



**Battery**

**100 % renewable green energy in the Zwickau factory**



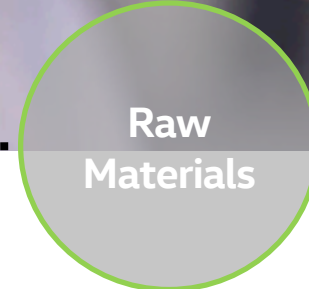
**Assembly**

**Green energy offer + green energy production to offset use phase**



**Use**

**Green steel  
Green aluminum  
-> Industry task**



**Raw  
Materials**





# Beyond ID: Becoming a mobility partner for our customers is software enabled



## Software enabled interaction

Connected Eco-System: Customer – Car – Volkswagen  
-> more speed, direct feedback, ease of interaction

## Software enabled continuous improvement

Regular Over-the-Air Updates (incl. firmware)  
-> more performance, more features, better usability



# Ramp-up of Over-the-Air Updates

Global Rollout starting  
2022 with US, CN

Continually integration  
Regular 3-4x p.a.



WAVE 1

WAVE 2

WAVE 3

Canary Release –  
not all customers at once  
but rollout in waves

Increasing Ramp-up of ID. Volume



# Direct Customer Interaction: ID.Drivers Club



ID. Drivers Club

| Direct interaction ID. Team to customer

| Special monthly events and exclusive content

| Exchange customer to customer

| Research and analytics

| Developers community





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Beyond ID: Proud to contribute every day

Mobility for generations to come

