



PROGRAMME

11.00 – 11.15 KEYNOTE

Dr. Lothar Rieth, Head of Sustainability, EnBW Energie Baden-Württemberg AG

11.20 – 11.30 INNOVATION PITCH

Linda Tissen, Country Lead, Ecobio Manager DACH, Ecobio

11.35 – 11.45 INNOVATION PITCH

Helmut Scherer, Managing Director & **Mary Jackson**, Senior UX Designer, Futurice

11.50 – 12.00 KEYNOTE

Michael Hanf, CEO, Taival Advisory

12.00 – 12.15 KEYNOTE

Petri Kokko, Managing Director Client Solution, Google Germany


12.15 – 13.15 NETWORKING LUNCH

Dr. Lothar Rieth

Head of Sustainability, EnBW Energie Baden-Württemberg AG



EnBW's sustainability agenda

A thick orange horizontal bar with rounded ends.

Input "Deutsch-Finnisches Businessforum 2022"
EnBW – Head of Sustainability– Dr. Lothar Rieth
Hamburg, November 3, 2022

Agenda



1. EnBW – who we are
2. EnBW – our sustainability agenda
3. Contact

1

EnBW – who we are

From an energy company to an infrastructure partner

Transition from a conventional energy company to an innovative and sustainable infrastructure partner.

- **Vertically integrated utility:** Production, trading & trans-mission of electricity, gas, water and heating for our customers
- **Growth as an infrastructure provider** via
 - broadband/telecommunications infrastructure
 - charging infrastructure for e-mobility
 - urban infrastructure
 - security infrastructure
- **Transformation through the EnBW 2020 strategy** (2013 to 2020)
- **Profitable growth thorough the EnBW 2025 strategy** (2021 to 2025)
- **Sustainability is an integral part of our corporate strategy. Target: climate neutrality by 2035**



Our strategic business fields



Sustainable Generation Infrastructure

Generation of electricity from

- renewable energies
- conventional power plants, generation of heating, storage of gas, electricity and gas trading and system services



System critical infrastructure

- Transmission of electricity, gas and water and the provision of grid-related services



Smart Infrastructure for Customers

- Sales of electricity and gas and billing services
- Installation and sales of critical infrastructure such as broadband, charging and urban infrastructure



Performance indicators of the EnBW Group



Revenue
€ **32,147.9** million



Adjusted EBITDA¹
€ **2,959.3** million



Employees
26,064



Number of B2C and
B2B customers
Around **5.5** million



Installed power
plant output
12,722 MW



of which
renewable energies
5,100 MW



Length of electricity grid
146,000 km



Length of gas grid
26,000 km

¹ Earnings before the investment and financial results, income taxes and amortization, adjusted for non-operating effects.

We operate on the market with a multi-brand portfolio



Baden-Württemberg



37 shareholdings in municipal utilities

41 leased grid companies

Germany



International

Austria



Turkey



Switzerland



Czech Republic



Denmark



Sweden



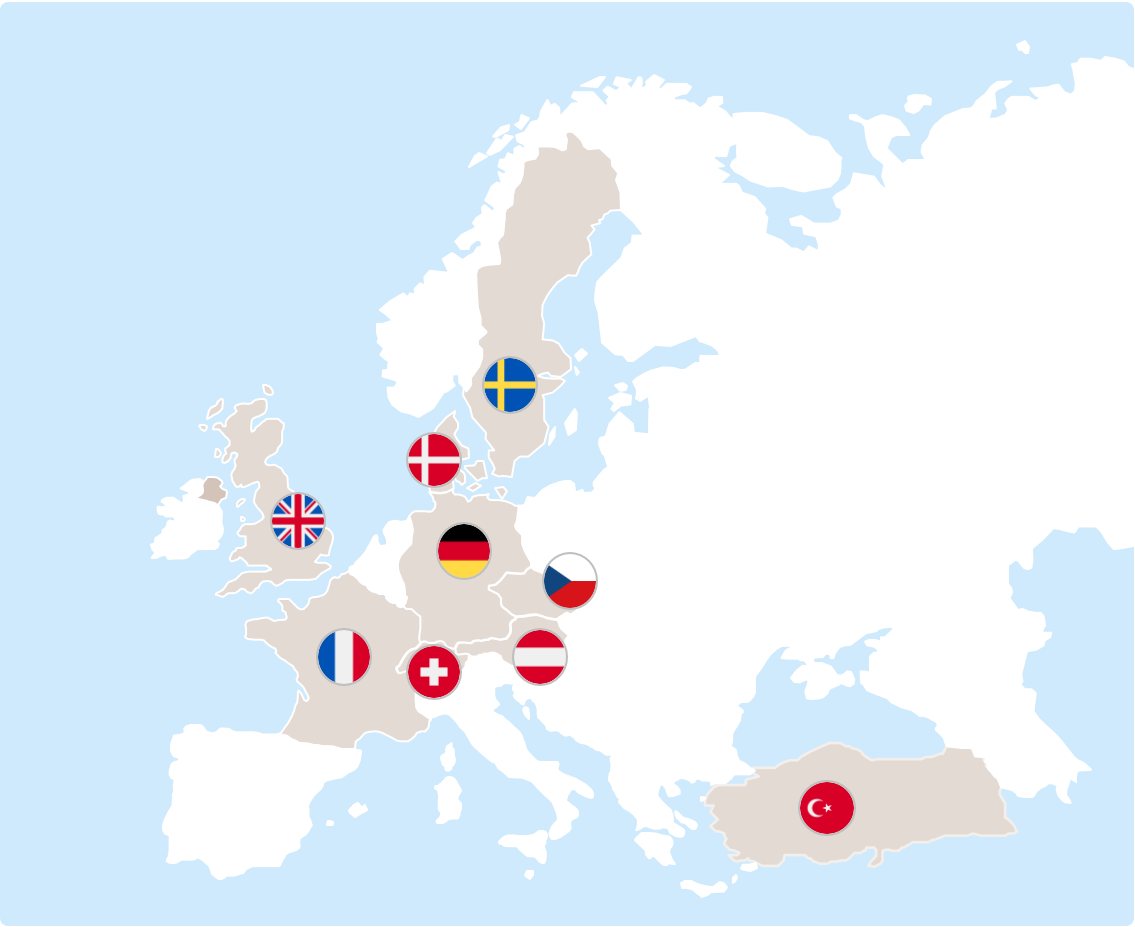
France



Asia



EnBW in Europe



In Germany and Europe, we operate at all stages of the energy industry value chain.



Sustainable Generation Infrastructure



System Critical Infrastructure



Smart Infrastructure for Customers



2

EnBW – our sustainability agenda

EnBW sustainability agenda – the answer to more demanding sustainability requirements



Legislature



Competition & capital market



Society & customers



The EnBW sustainability agenda strategically positions EnBW to handle more demanding requirements.

- stands for **systemic and future-proof solutions** that incorporate the aspects of demand, infrastructure and generation
- addresses the needs of stakeholders and strengthens the contribution made by **EnBW in its role at the center of society**

Competitiveness

- Sustainability as the **key to strengthening competitiveness**
- **Positions EnBW at the top end of the market**
- EnBW as an attractive employer

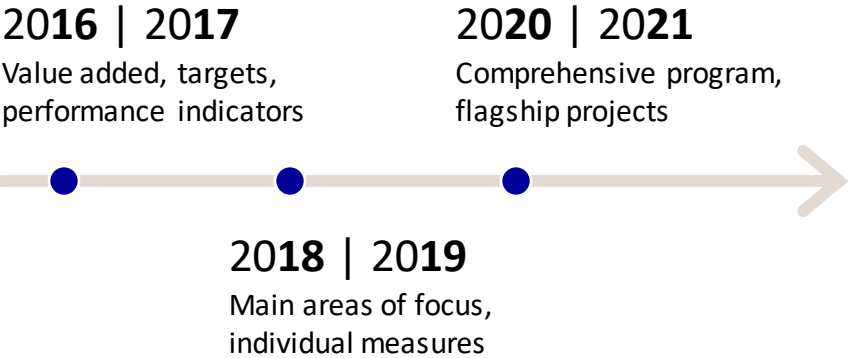
Value added

- Improves **access to capital markets** and **expands EnBW's leading role in sustainable finance**
- Proactively addresses the **growing expectations of customers for climate-neutral products and services**
- Appeals to the **employees of tomorrow and today**

Minimizing risks

- Compliance with **statutory requirements**, anticipating any tightening of the regulations in the future
- Minimizing **reputational risks**

Sustainability in the core business adds value in society



EnBW – your partner on the path to a sustainable, climate-neutral future



New energy & climate neutrality

EnBW is focusing on **climate neutrality** and expanding the renewable **generation portfolio**



Infrastructure transition

EnBW develops **innovative mobility and supply solutions** for cities and rural areas



Culture of sustainability

Sustainability is used as a **benchmark for business decisions** at EnBW



Protecting the natural environment

EnBW safeguards the **home** of this and future generations



~180,000 renewable power plants integrated in power supply system by Netze BW

>4.1 million households* supplied on aggregate with renewable energies from EnBW *2 pers./household

>200,000 charging pts. in the EnBW HyperNetwork for drivers of e-vehicles in 2022

€2.5 billion in green bonds accounts for more than a quarter of the total bonds issued by EnBW

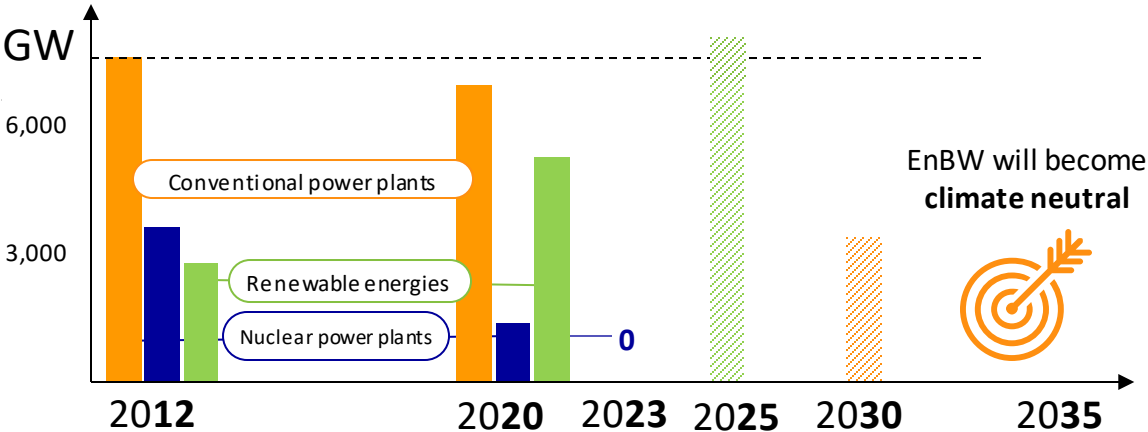
4,200 new employees since 2016 – EnBW remains an attractive and reliable employer

EnBW is paving the way for climate-neutral mobility and energy supplies

New energy & climate neutrality

Measure

- 1 Expansion of renewable energies by 2025 to 6.5 - 7.0 GW, taking biodiversity criteria into account in major projects
- 2 Science based targets to validate the climate neutrality target for 2035
- 3 H₂-readiness for the transmission and distribution infrastructure



Infrastructure transition

Measure

- 4 Eco-efficient quick charging parks and climate-neutral corporate mobility
- 5 Development of the grid infrastructure for a sustainable Energiewende and mobility transition
- 6 Environmentally sustainable and socially inclusive residential districts and real estate
- 7 Promoting forms of business, working and mobility that are fit for the future by laying new fiber-optic cables in rural areas



650
quick charging parks
in 2021



We will have
2,500
by 2025



Number* of
filling stations
in Germany

*Filling stations that include the major oil companies in Germany in their networks

EnBW is paving the way for climate-neutral mobility and energy supplies

Culture of sustainability

Measure

- ⑧ **Board of Management and management remuneration based on sustainability criteria**
- ⑨ **Financing via green bonds and enhancing our leading role in the sector for the EU taxonomy**
- ⑩ **Expanding our sustainability screening to include CO2 evaluations in the investment process**
- ⑪ **Expanding the evaluation of risks and opportunities to include climate risks**
- ⑫ **Expanding the sustainable HR strategy**



€2.5 billion
in green bonds
2018 – 2021



€1,521 million
environmentally
sustainable investment (capex)



83 PEI points
stands for a high level of employer
satisfaction above the global
average in the sector 2020



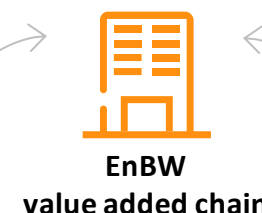
Protecting the natural environment

Measure

- ⑬ **Anchoring of sustainability criteria in purchasing**
- ⑭ **Increasing the use of green materials and resource efficiency, reducing harmful emissions and water consumption**
- ⑮ **Protecting employees and local residents**



10,000 suppliers
100% signed the
Supplier Code of Conduct
by 2022



75%
of companies certified
according to ISO 14001 and/or
EMAS in 2020

3



Contact

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Dr. Lothar Rieth

Head of Sustainability



EnBW AG



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More information about sustainability at EnBW:

[Sustainability | EnBW](#)

Linda Tissen

Country Lead, Ecobio Manager DACH, Ecobio



The World's Most Comprehensive Digital Solution for the EU Taxonomy Classification and Reporting

SIMPLIFY · COMPLY · COLLABORATE



Deutsch-Finnisches Businessforum 2022
Linda Tissen
Country Lead Ecobio Manager DACH
Ecobio Oy

**Over 30 years
in corporate
sustainability**



For corporate sustainability, we provide consultancy and a digital solution, the Ecobio Manager.

We help you balance business and nature. Since 1989.
Three times awarded.



Do we want to capitalize on digitalization?

Is sustainability an integral part of our strategy?

How prepared are we for the future?

How are we going to navigate through the dynamics of the changing regulatory and business landscape?

How can we ensure compliance?

ENVIRONMENTAL OBJECTIVES WITH LISTS OF SUSTAINABLE ACTIVITIES



**Climate change
mitigation**



**Climate change
adaptation**



**Sustainable use
and protection
of water and
marine resources**



**Transition to
circular
economy**



**Pollution
prevention and
control**



**Protection and
restoration
of biodiversity
and ecosystems**

Alignment from FY 2023

Alignment from FY 2024

REGULATORY OUTLOOK

FY 2023	FY 2024	FY 2025	FY 2026
Large listed companies	Large listed companies	Large non-listed companies	Listed SMEs
EU Taxonomy disclosures <ul style="list-style-type: none">• EU Taxonomy eligibility and alignment disclosures of all 6 objectives. (Estimation; Deadline is NOT set by the EU)	EU Taxonomy disclosures Corporate Sustainability Reporting Directive (CSRD) <ul style="list-style-type: none">• Start of reporting the qualitative and quantitative information according to the mandatory reporting standards (ESRS) of the year 2024.• Alignment of the business model & strategy to achieve climate neutrality by 2050 (taking the entire value chain into account)• Information on value chain include own operation, products & services, supply chain and business relationships• Science based targets and progress• Assurance and digital reporting mandatory	EU Taxonomy disclosures	EU Taxonomy disclosures

YOUR TRANSITION TO DIGITAL COMPLIANCE



Short-term chaos

Working with Excel sheets or EU Taxonomy Compass

No structure in the work process

Tracking changes in requirements by hand

Duty of some professionals

Documentation decentralized

Expensive outsourced consultancy projects every year



Long-term compliance

Working with a digital solution, Ecobio Manager (SaaS)

Structured work process

Up-to-date requirements are always available

Duty of professional network having specific roles for individuals

Systematic and centralized document management

Progress tracking over the years
Advisory available when needed

ECOBIO – YOUR EU TAXONOMY ADVISORY

Taxonomy
eligibility
review

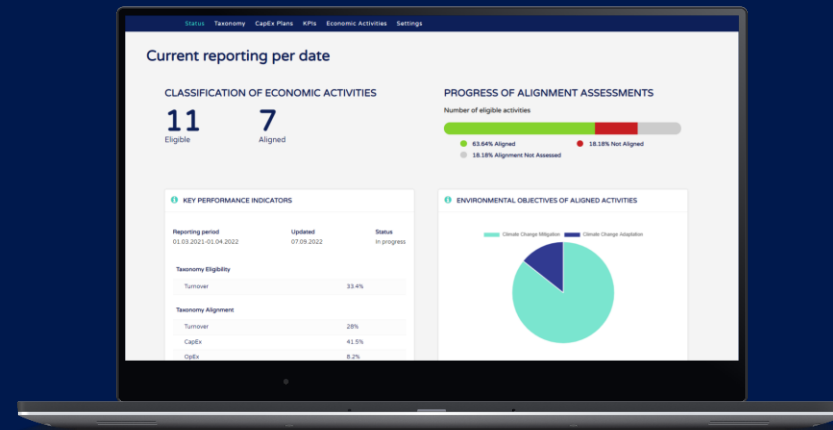
Verification

Training

Workshops

Advisory

Consultancy



Digital Solution



Our Digital Solution for
Taxonomy Classification
and Reporting.

A SMOOTHER WORK PROCESS FOR THE TAXONOMY CLASSIFICATION AND REPORTING REQUIREMENTS



ECOBIO MANAGER ROAD MAP



A long-term solution for sustainability reporting



Integration into *European Single Access Point*, ESAP, when the connection is available.



Enlargement of the reporting section for all requirements of the upcoming *Corporate Sustainability Reporting Directive*, CSRD.



Social Taxonomy and Value Chain Reporting.



Benefit from your sustainability efforts

Show how sustainable your business is!



Better Financing Conditions

Financial institutions prioritize according to EU Taxonomy

Digitalize Now with Ecobio Manager



Ensure compliance

Be ready for assurance



Save time

Cut time spent in half, decrease costs and increase efficiency.

WE ARE HAPPY TO HELP YOU



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**Let's talk
today!**

**We help you
balance business
and nature.**

www.ecobiomanager.com



Helmut Scherer

Managing Director, Futurice



Mary Jackson

Senior UX Designer, Futurice



futurice

Shaping your future value proposition

Digitalization to support your sustainability and business goals



Helmut Scherer

Managing Director Futurice GmbH



Mary Jackson

Senior UX & Service Designer

Nordic Roots – Digital DNA

PEOPLE

750+

NATIONALITIES

46

OFFICES

10+

CONSECUTIVE YEARS
OF GROWTH

20+

OUR CULTURE:

Care. Trust.
Transparency.
Continuous improvement.

These are our core values, and the cornerstones of our company culture. They define how we work, provide continuity in a changing world, and keep us unique. The worth of our culture is determined by what happens when nobody is watching.

Family of Companies



eCommerce
& Growth
Hacking

meltlake°

A Microsoft
specialist
consultancy

RECORDLY

Future-proof,
robust, and secure
data solutions

Hubs

London

Berlin

Hubs

Stuttgart

Munich

Stockholm

Tampere

Helsinki



Co-creating new value propositions



**nokian
TYRES**

KESKO

Valmet 

e-on



Allianz 



SAS



NOKIA

caruna

Fira

 **fortum**

 **zalando**

VR

Fonecta®

ABB

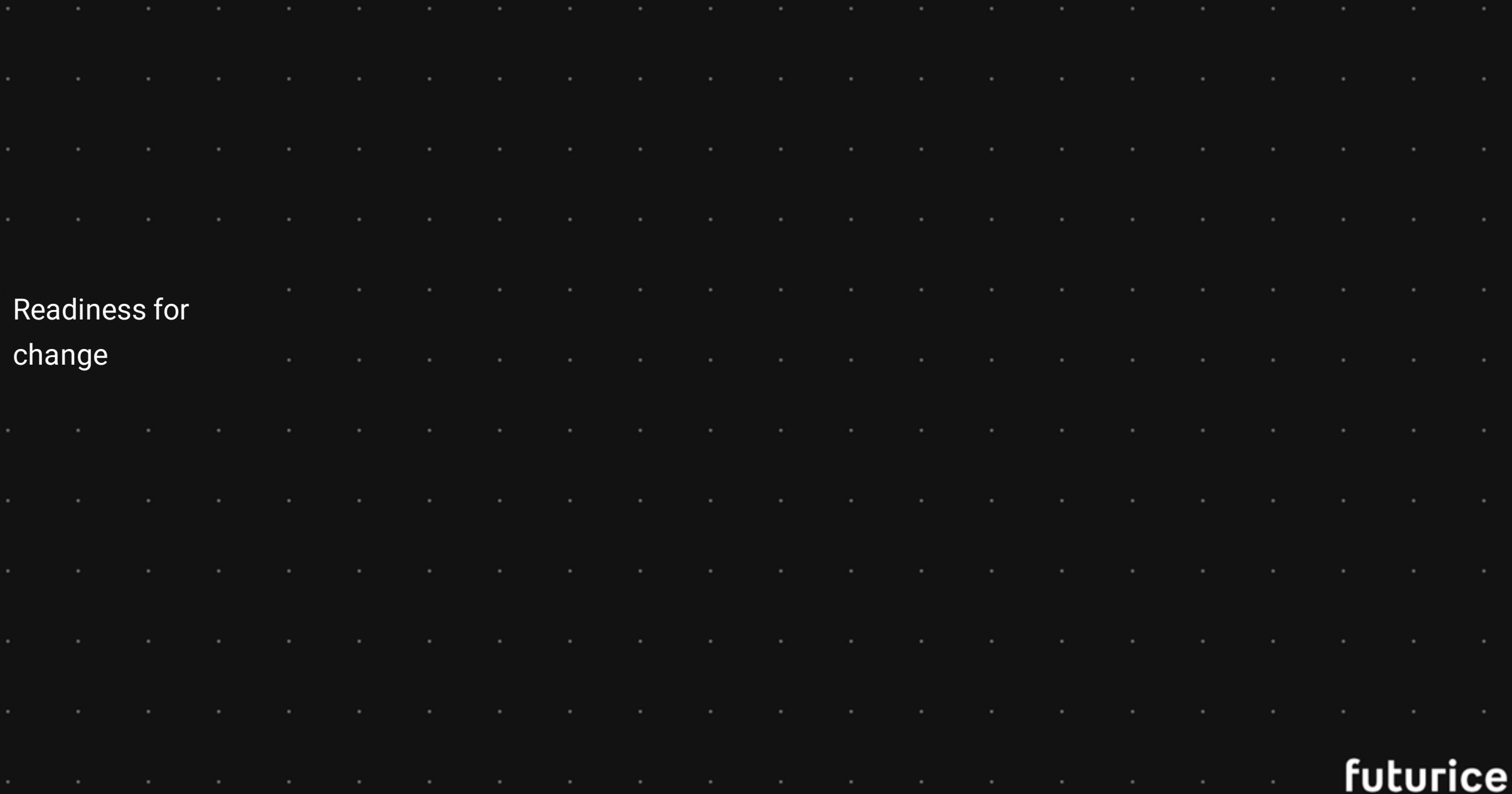


elisa



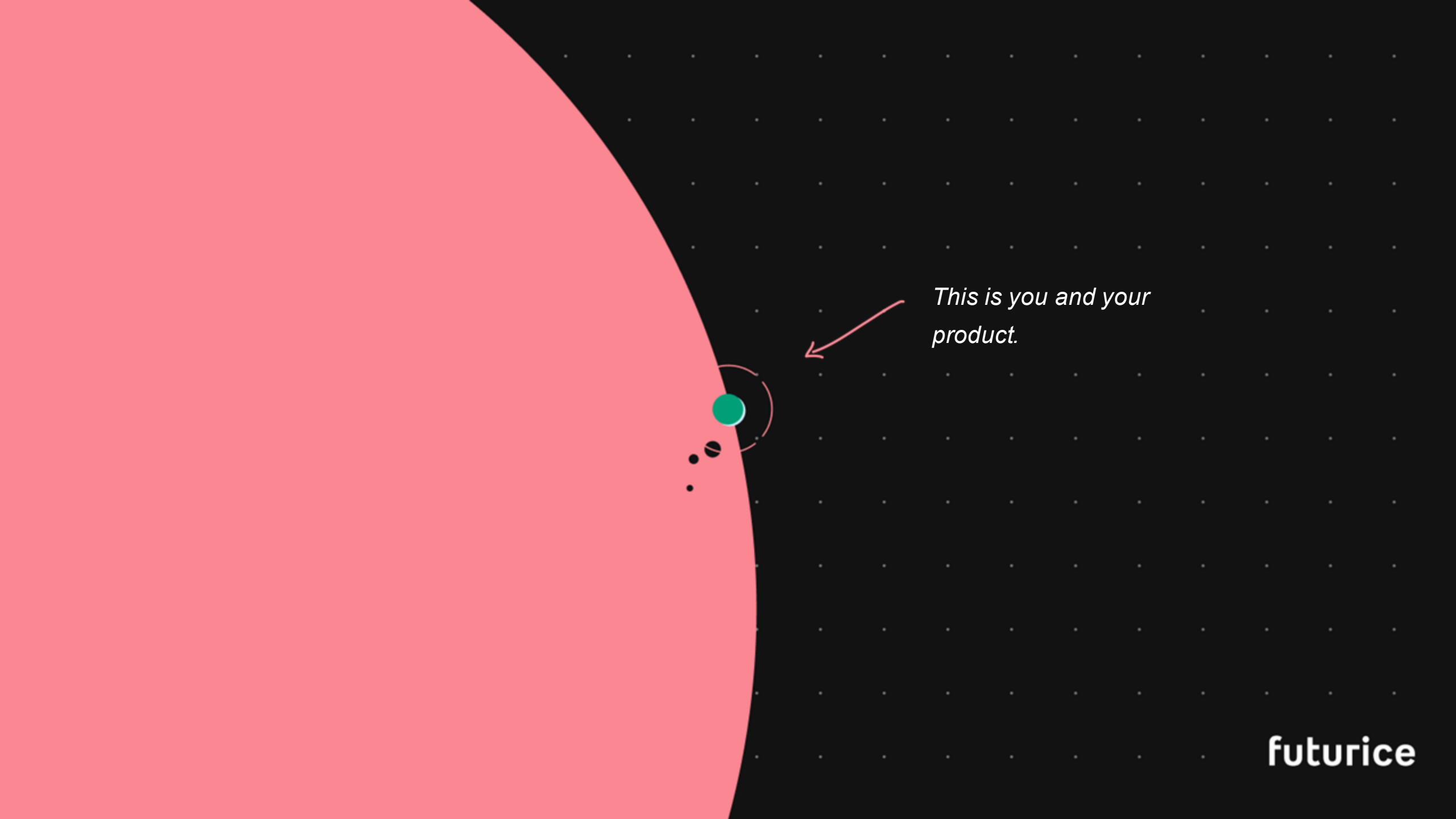
Nordea

BOSCH



Readiness for
change

futurice

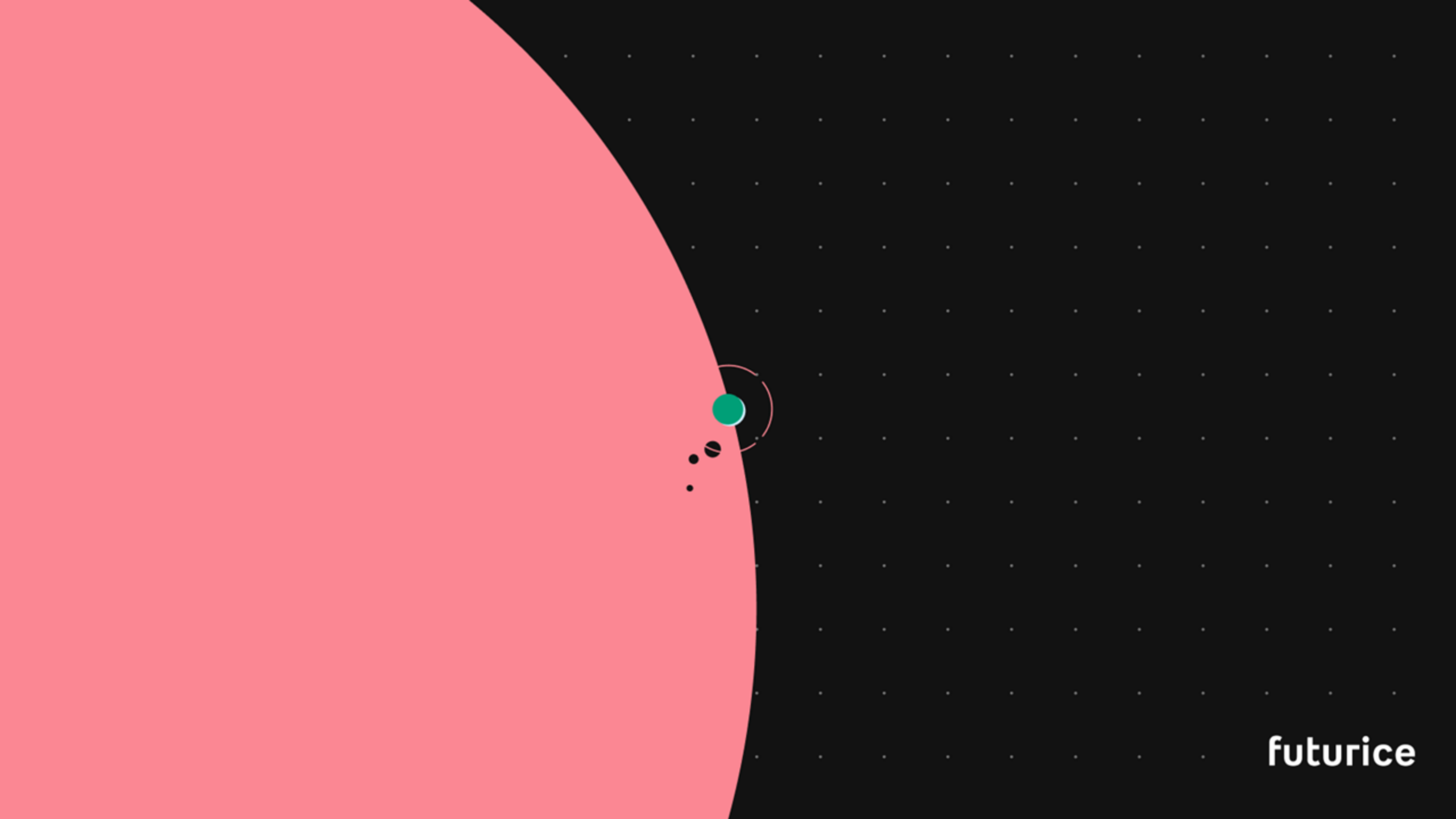


This is you and your product.

futurice

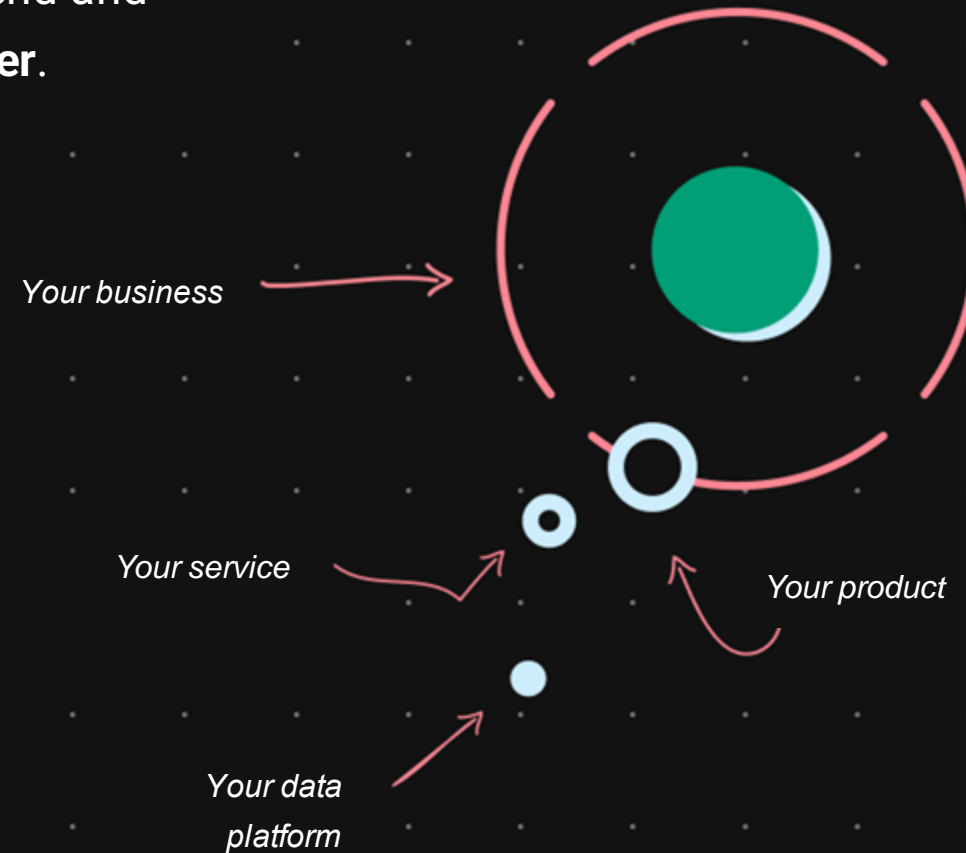
The truth is:

The world doesn't revolve around
your product.



futurice

An ecosystem is a **network** of components (actors, services, platforms and/or products) that depend and fuel each other to **deliver greater value together**.



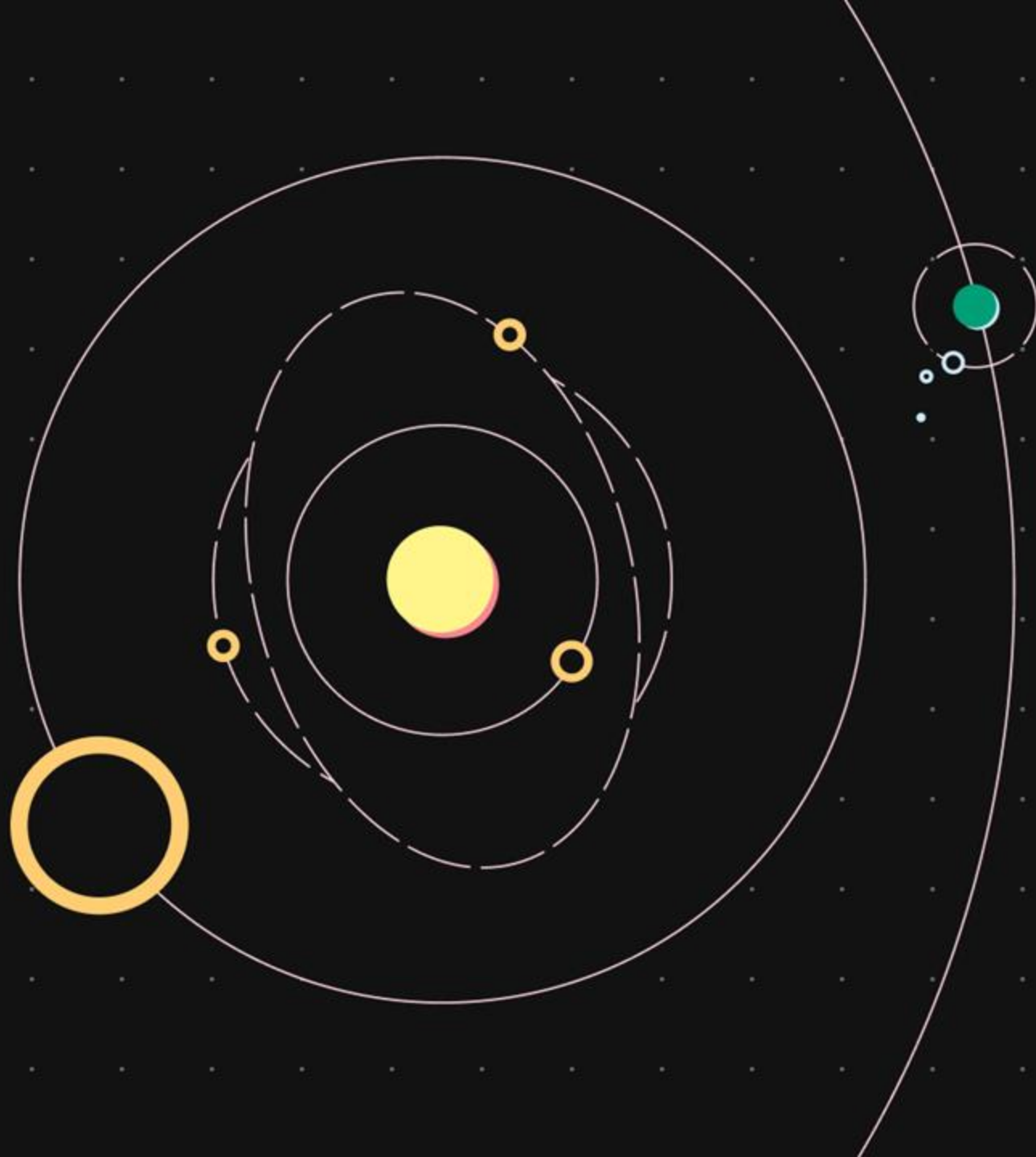
The sum of an ecosystem's parts is more valuable than its individual pieces.



NETFLIX

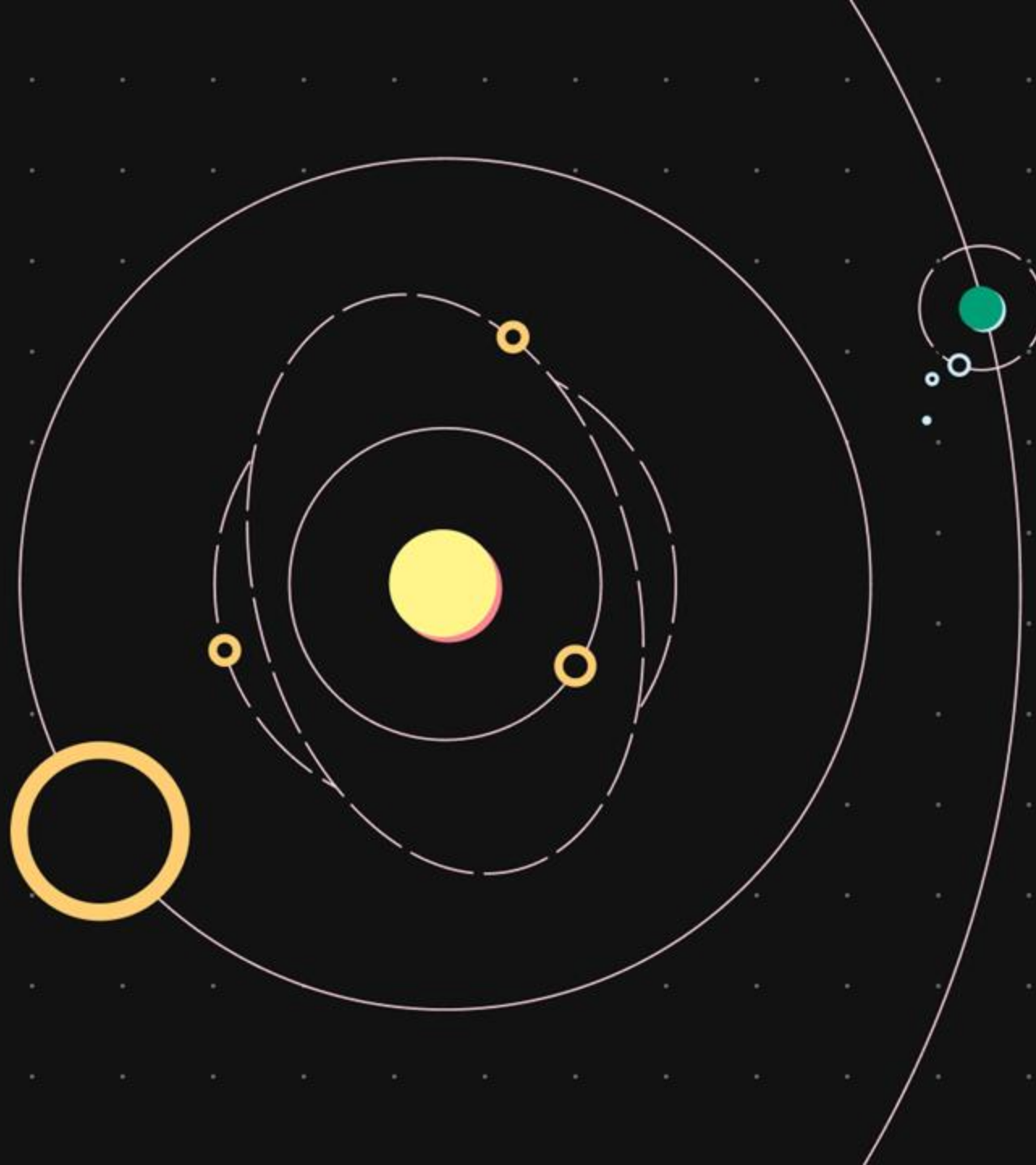


HOW CAN ECOSYSTEMS SUPPORT BUSINESSES?



futurice

Let's see how this could
work in actuality...



futurice

The challenge

How might we find an **efficient and scalable way to enable Kesko independent retailers in making local business decisions?**

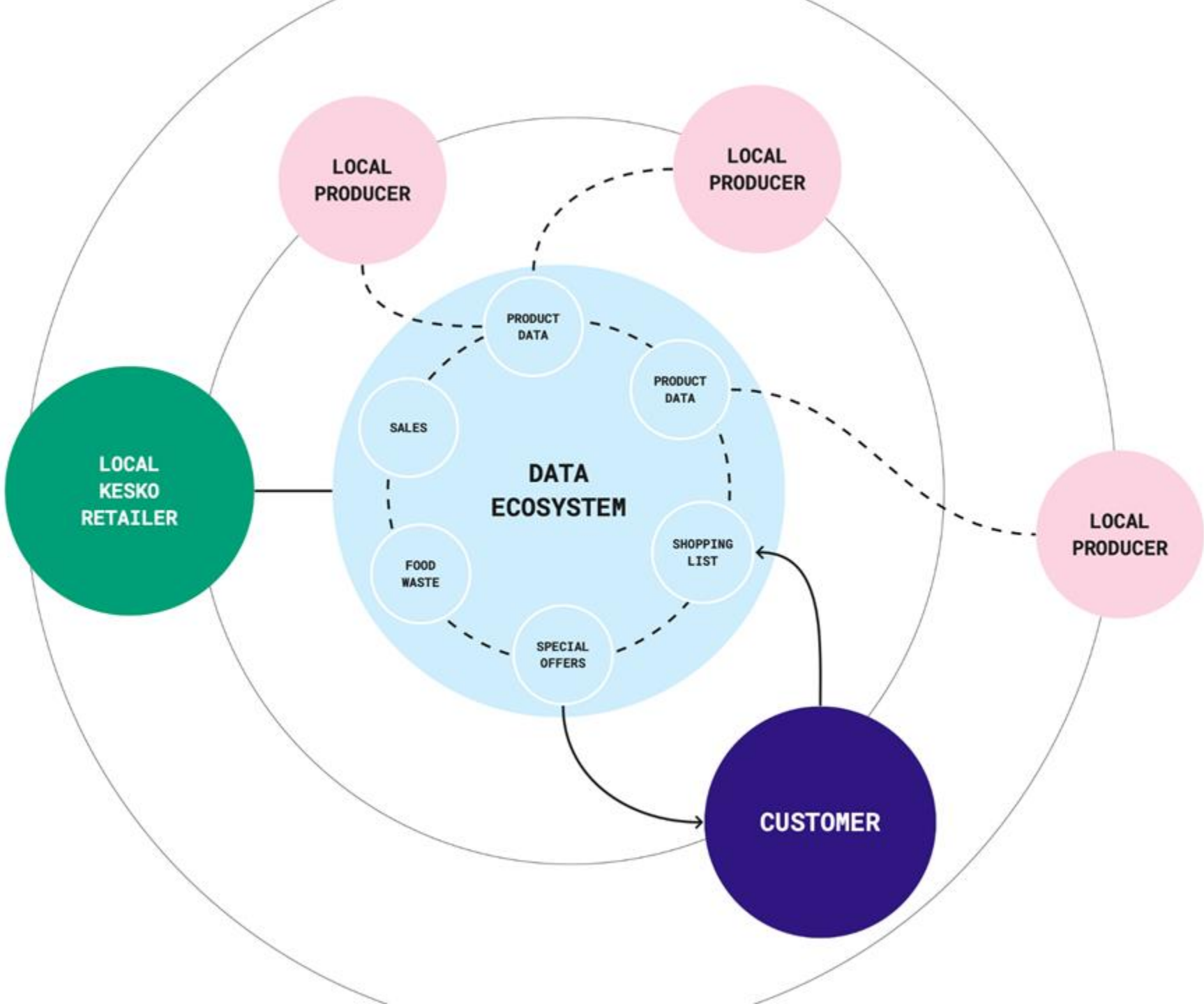


What we did

We co-created a platform service ecosystem that gives K-Market, K-Supermarket, K-Citymarket, K-Rauta and Neste K retailers **greater understanding of what sells in their stores and customer desires.**



CASE STUDY: KESKO





SUSTAINABLE DEVELOPMENT GOALS





ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS

TOO MUCH FOOD IS BEING LOST OR WASTED
IN EVERY COUNTRY EVERY DAY

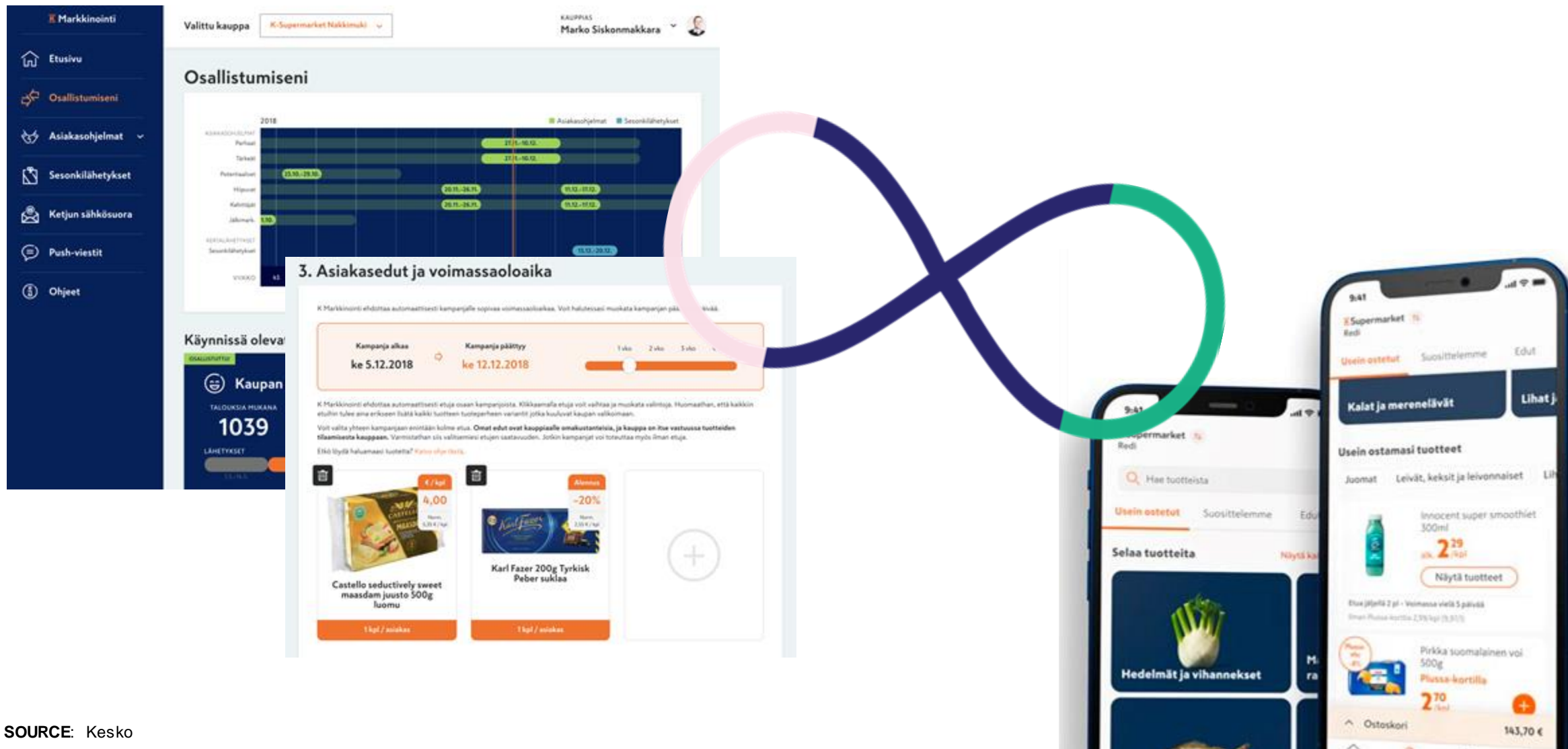


17%

OF TOTAL FOOD IS WASTED AT THE CONSUMER LEVEL

By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses.

How it creates impact



Why it matters



700

K retailers used the service
in its first year of operation



8000

Targeted campaigns were
launched in the first year



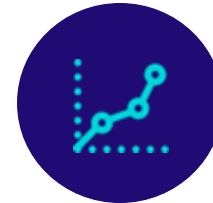
10 x

Campaign participation
rates compared to previous
years



60 k

Locally produced products
offered at K retail stores



10 %

Increase of local food providers
from 2021 to 2022

Why it matters



+



=



Sustainability

Digitization

Better Business

valuable

resilient

You are more **sustainable** in an
ecosystem than you are as an individual.

Do you have a clear understanding of the ecosystem you're part of? Do your colleagues have the same understanding?

What sustainability and business impact do you want to co-create?

Kiitos!
Danke!
Merci!
Thanks!

We are **Futurice**.
You can also call us ***Futurice***.



Helmut Scherer
Managing Director Futurice GmbH



Mary Jackson
Senior UX & Service Designer



The background of the image is a topographic map with various shades of green and blue, creating a sense of depth and movement. The lines of the map are wavy and organic, suggesting natural terrain.

futurice

Co-creating a resilient future.

Michael Hanf

CEO, Taival Advisory



Taival Advisory Twin Transition

Deutsch-Finnischen Businessforum 2022

3.11.2022

A flip chart on a black stand is positioned in the center of the frame. The chart has a white sheet of paper with the words 'WHO', 'WHY', 'HOW', and 'WHAT' written in bold, sans-serif capital letters. Each word is a different color: 'WHO' is red, 'WHY' is purple, 'HOW' is green, and 'WHAT' is blue. The chart is slightly angled to the right. The background is a light blue gradient with a subtle pattern of diagonal lines.

WHO
WHY
HOW
WHAT

- WE ARE TAIVAL - STRATEGY FOR SUSTAINABLE SUCCESS



We provide leading-edge advisory services which guide our clients through their transformational journey into world-leading companies - independent of their starting point.

Founded in 2017



40+ clients • 90+ projects



Strategy • Sustainability • Circular economy • Ecosystems • Data



Operations
in Finland and
Germany



15+
Seasoned
professionals



A global ecosystem
of leading companies
& individuals



Agile and co-creative
working methods

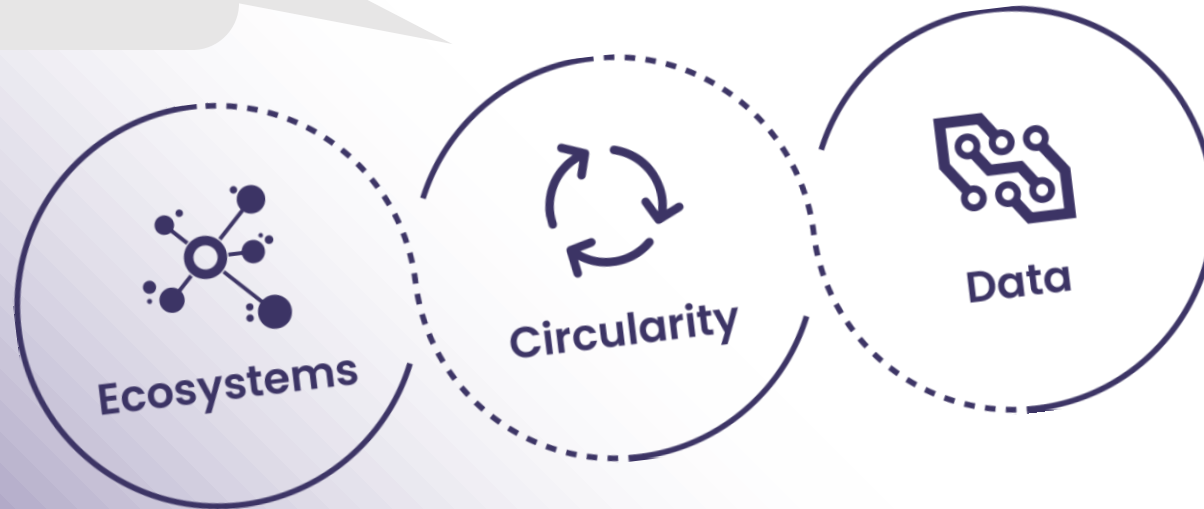
Twin Transition

Today we are experiencing what has come to be called the **Fourth Industrial Revolution or Industry 4.0**, in which **digitalisation** is one of its most important pillars, while at the same time we are on the verge of a **green transition** towards a decarbonised and environmentally friendly economy.

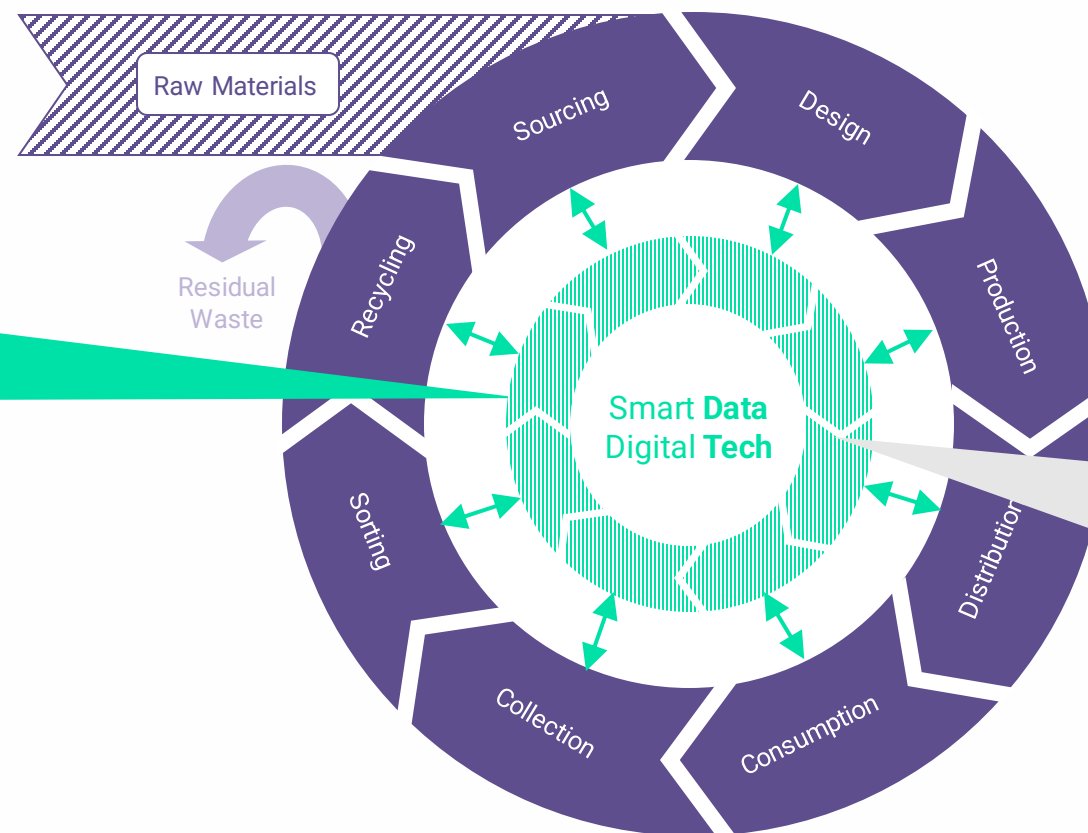
This **double transition or Twin Transition** may be the key to decarbonising the economy and adopting a circular development model, transforming linear industrial value chains to minimise waste and pollution, **making better use of the waste generated and guaranteeing environmental standards.**

Source: Insight, <https://www.insight-erasmus.eu/what-is-twin-transition/>

3 strategic superpowers
boost sustainable success.



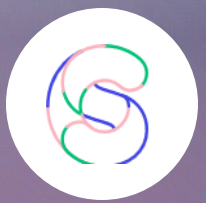
Digital & data value chain



Data & digital tech are key enablers for re-shaping your value flow:

- **New** value creation
- Biz model **innovation**
- New **operational efficiency**
- **Power** through data sharing

** Business Models adapted from the World Economic Forum*

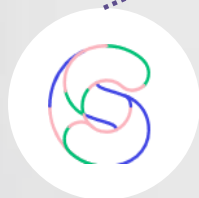


Smart & Clean Initiative Solutions for 1,5°C World

Certain time frame, EU financed

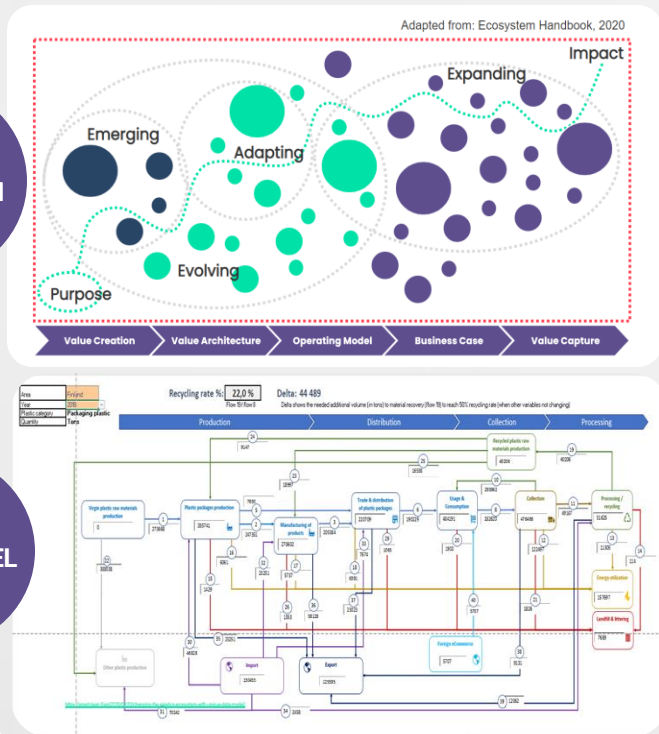
Helsinki City & Region (Pilot) → Espoo (Successive Realisation)

**Cross-industrial blueprint
to reduce plastic**



PLASTIC
ECOSYSTEM

PLASTIC
DATA MODEL



“With the help of a **unique data model** of packaging plastics, our **closed plastic circle program** is able to make significant changes to plastic circulation.”

Tiina Kähö, CEO

“The changes enable reaching **reutilization of packaging plastics up to 80%**”

Tech will be a **key enable** for **circularity**
along the **sustainable supply/ value chain**

- Acceptance of **complexity** as **new normal**
- **Develop in-depth understanding** of **end-to-end supply/ value chain** incl. potential bottle-necks
- **Map out/ orchestrate key stakeholders & develop data model** (→ ecosystem)
- **Understand key focus areas** for circular optimisation along the supply chain
- **Identify required technologies** to address identified circular opportunities, e.g. AI, blockchain, ...
- **Build ecosystem** with relevant industry players & **develop pilots** of solutions for testing

Let us know what mountain you want to climb, we'll get back to you in no time



Michael Hanf
Executive Partner

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Let's connect via
[linkedin.com/in/michaelhanf/](https://www.linkedin.com/in/michaelhanf/)



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Petri Kokko

Managing Director Client Solution
Google Germany



Sustainability at Google



Petri Kokko

Managing Director, Client Solutions, CE at Google

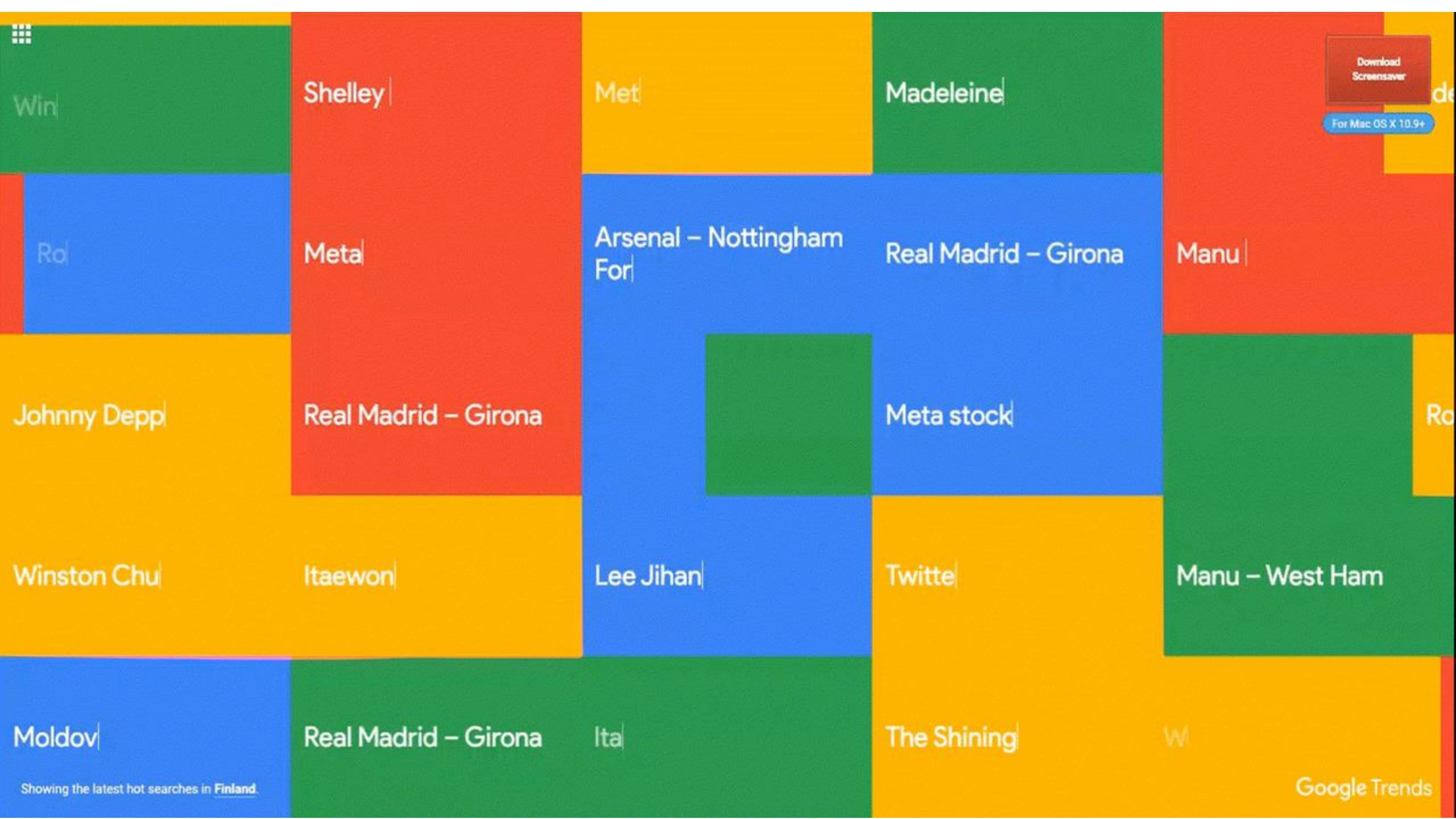
**At Google, we build
technology that helps
people do more for the
planet**

Google



Google Search

I'm Feeling Lucky



Download
Screensaver

For Mac OS X 10.9+



Every minute,
we deliver millions of
YouTube video plays



Google

Products with >1 billion users

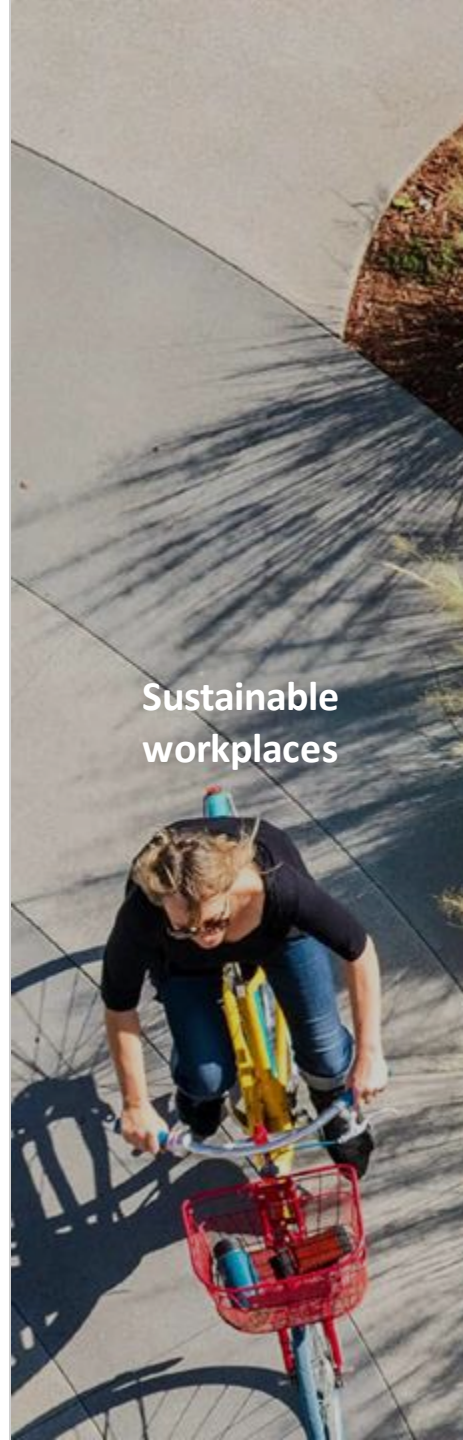




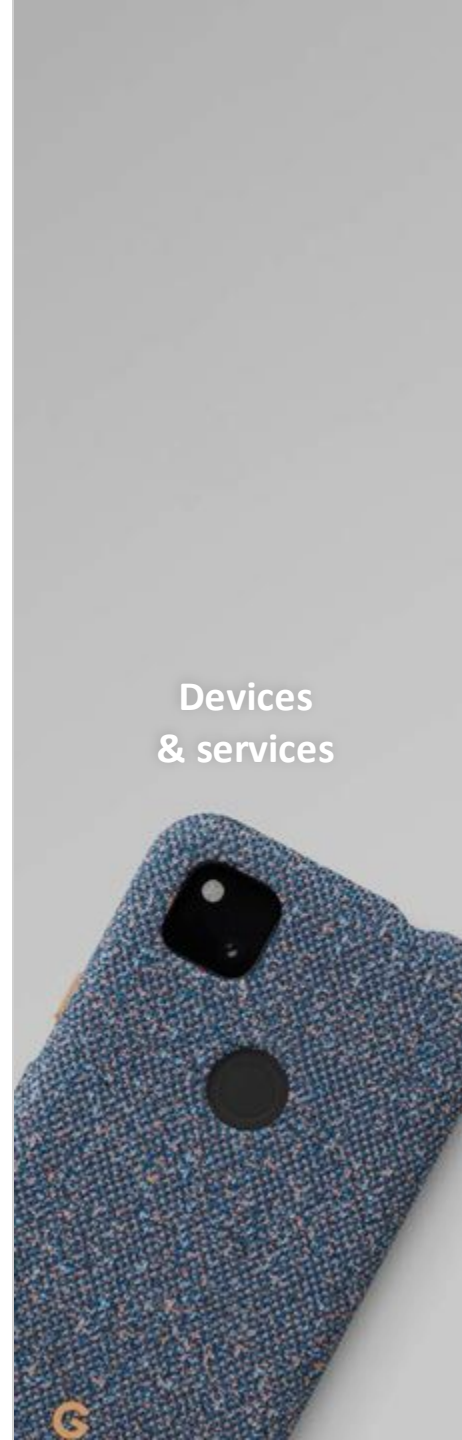
Data
centers



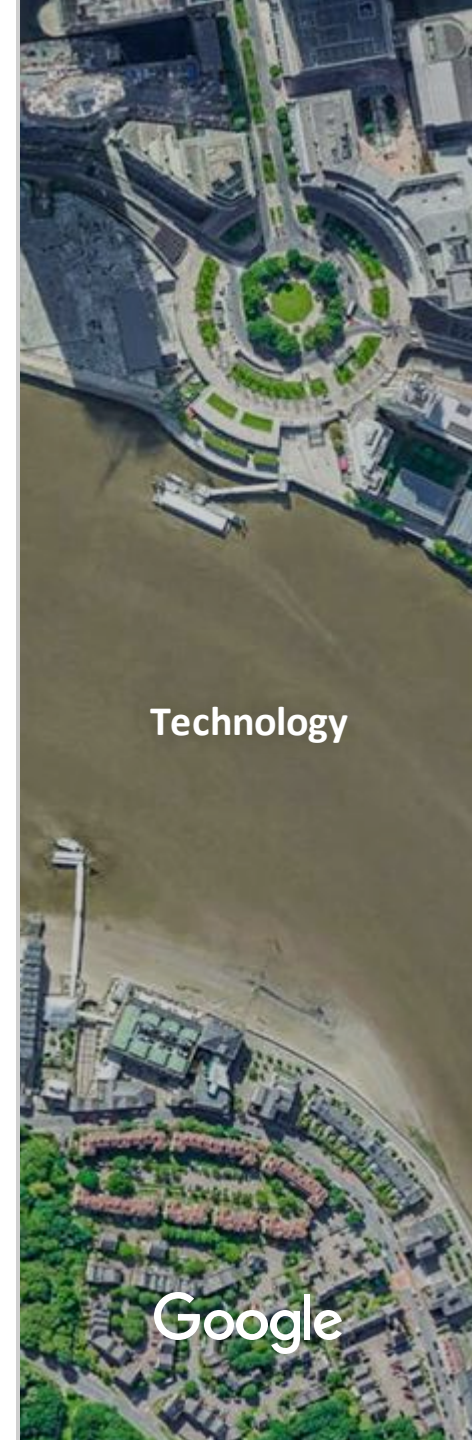
Carbon-free
energy



Sustainable
workplaces



Devices
& services



Technology

Google



2007

First major company to become carbon neutral



2017

First major company to achieve 100% renewable energy



2030

First major company to operate 24/7 carbon free



Our ambitious 10-year strategy for carbon goes far beyond our own operations



Leading at Google

Go beyond carbon neutrality for our operations



Supporting Partners

Empower partners (nonprofits, researchers, policymakers, etc.) with the tech they need to scale up carbon solutions



Enabling Everyone

Through our products (core products, consumer hardware), we offer helpful ways for everyone to be part of the solution

Our objectives



Low cost



Reliable



Consumer focused



Carbon free

Our energy strategy team's principles



Transparency



Global impact



Open source



Partnership

Electricity fuels data centers

Reliable electricity supply
enables us to deliver
Google services without
interruption



Between 2010 and 2018:

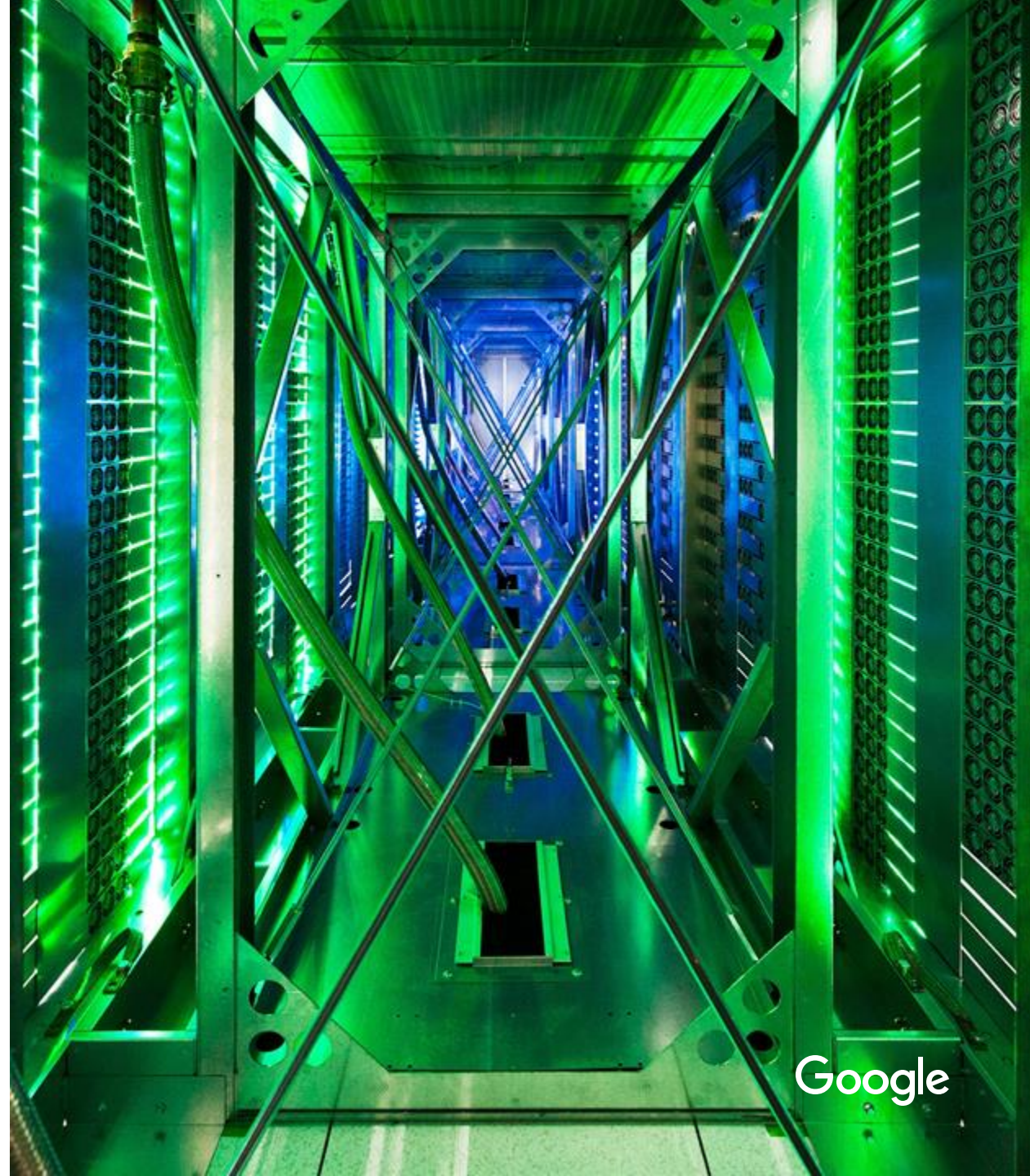
550%

more computing done in
data centers globally

Only 6%

additional energy
consumed

Source: *Science Magazine*



Google

Hyperscale data centers allow for *much* more computing with *much* less electricity. From 2010 to 2018:

2,600%

more computing in **cloud**
data centers

10%

more energy consumed
by **all data centers** globally



What we're doing

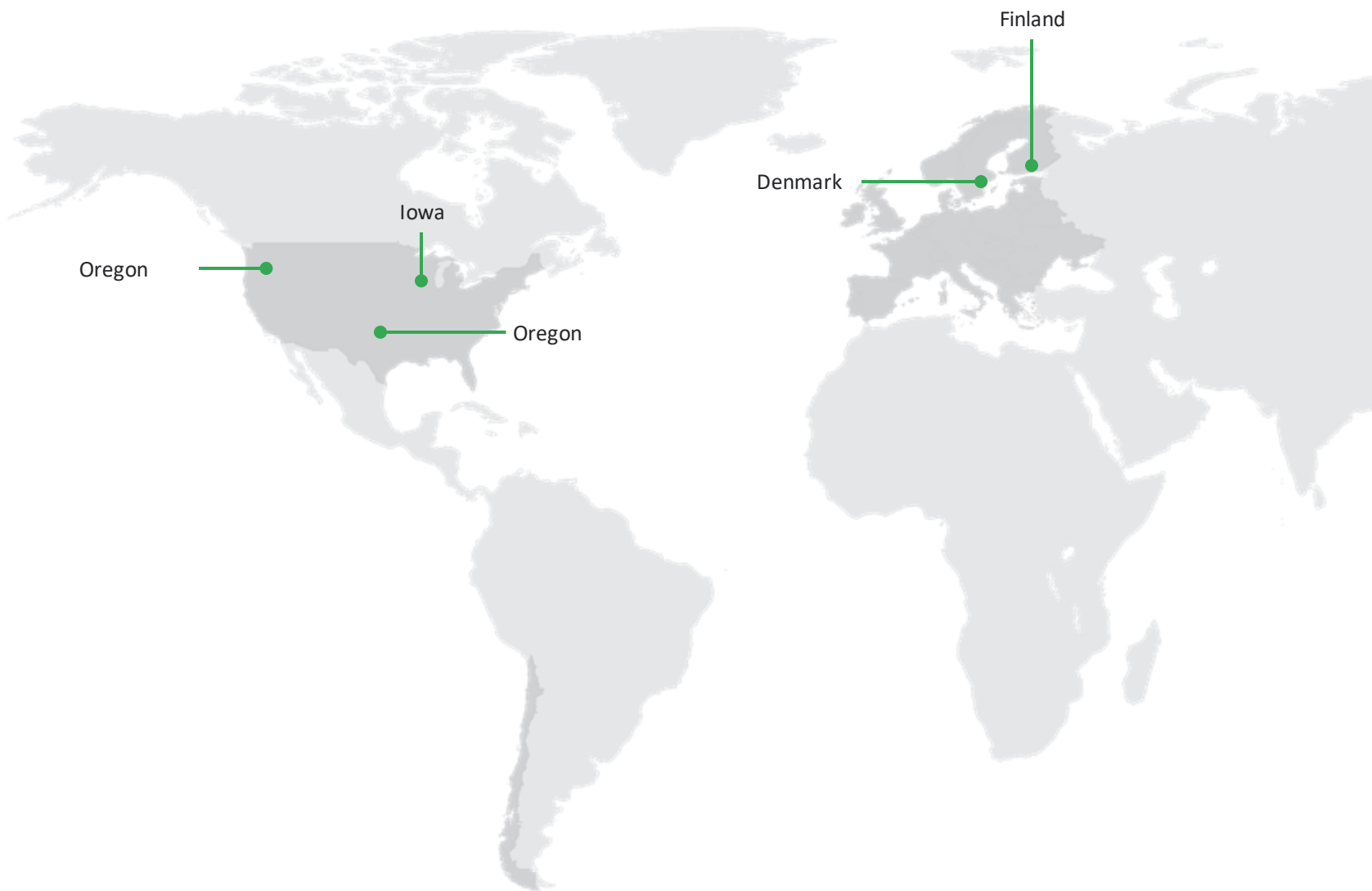
2X

as energy efficient
as a typical enterprise
data center

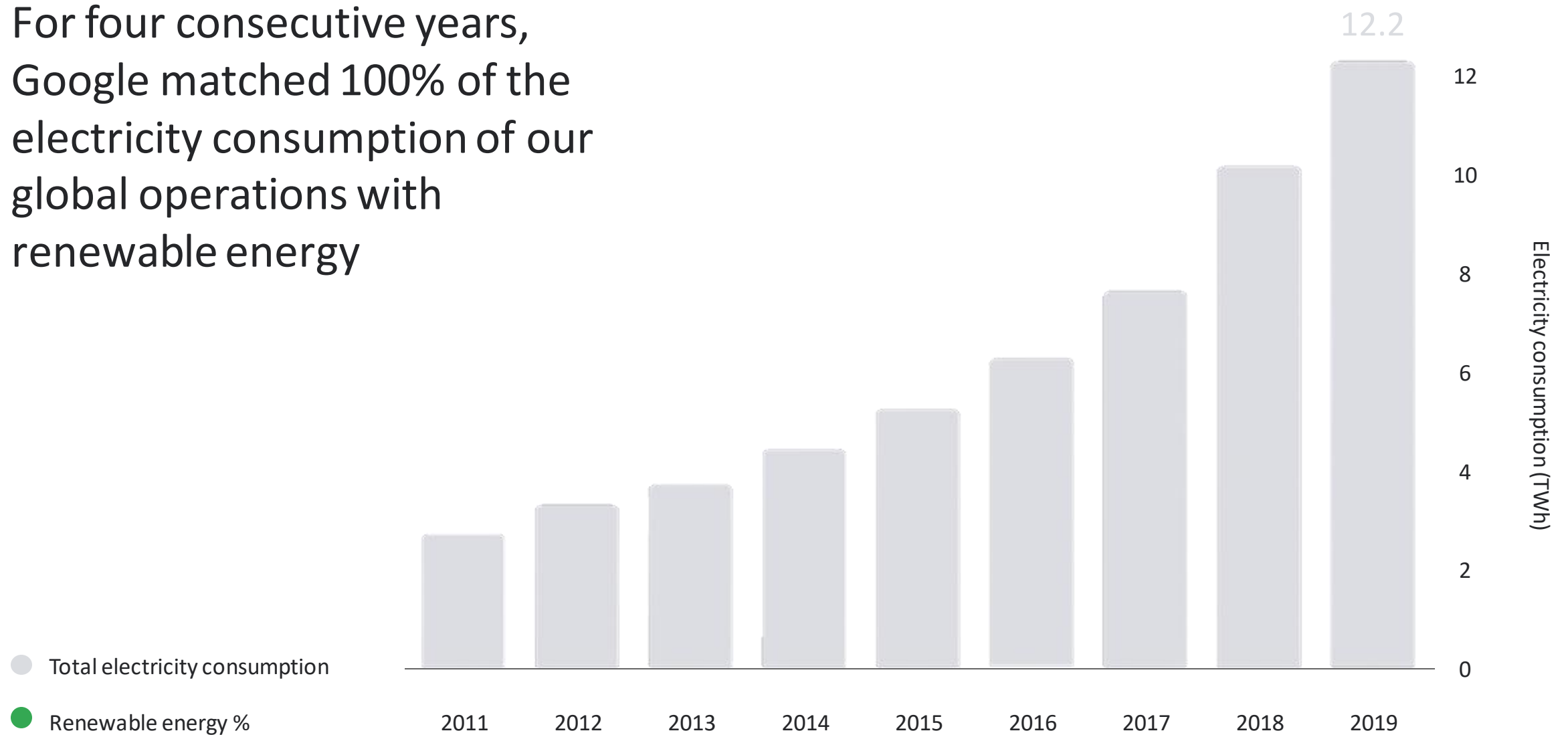


5

data centers now
operate near or at 90%
carbon-free energy



For four consecutive years,
Google matched 100% of the
electricity consumption of our
global operations with
renewable energy





We want every organization to have a
viable and cost-effective pathway to
source carbon-free energy



Economic development

Google has spurred more than **\$7 billion** in renewable energy projects worldwide

Thousands of clean energy jobs created

Google's Approach 24/7 Carbon-Free Energy



Purchasing

Buy more and different types
of clean energy deployed
locally



Technology

Accelerate technology innovation

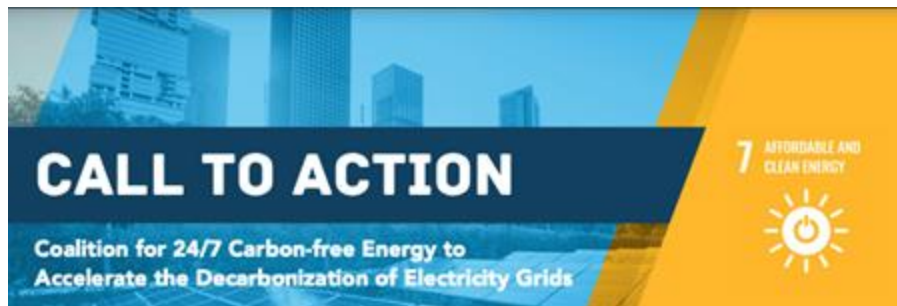


Policy

Advocating for policy changes
to decarbonize electricity grids

Example: Policy

U.N. 24/7 Carbon-free Energy Compact



COORDINATED BY



IN PARTNERSHIP WITH



**United
Nations**



**HIGH-LEVEL DIALOGUE ON
ENERGY**
UNITED NATIONS, NEW YORK, SEPTEMBER 2021

⚡ GoCarbonFree247.com ⚡



We constantly look for ways to
advance sustainability—and to
empower others to do the same

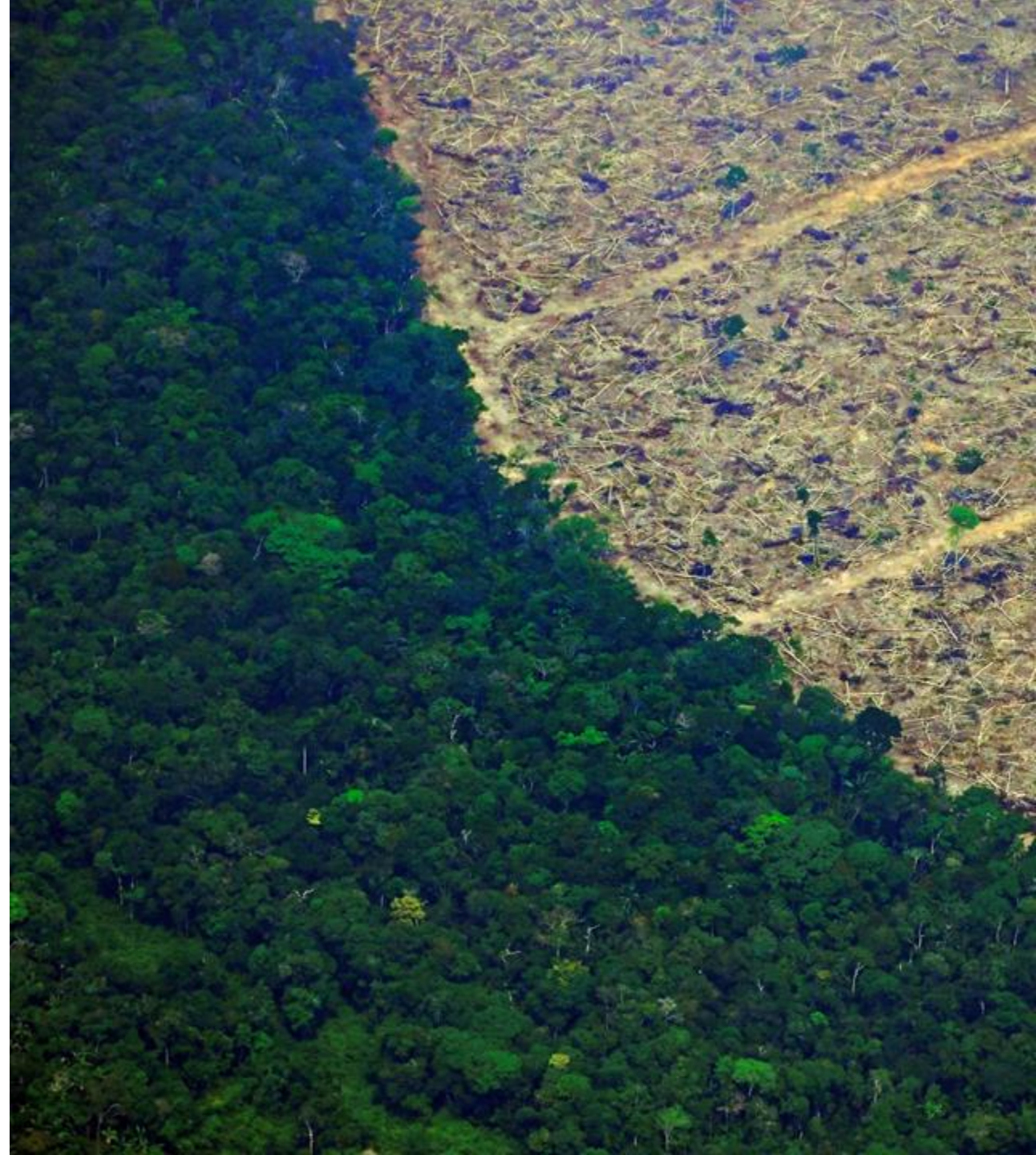
Case study:

Unilever

[Google and our partner NGIS worked with Unilever](#) to bring more transparency into the scale of deforestation around Unilever's palm oil production.

We use time-lapse images based on satellite data in Google Earth Engine to show whether deforestation is happening in near real time, which allows Unilever to have confidence that their suppliers are meeting their commitments. Unilever says that **“it brings us a step closer to our goals of regenerating nature and ending deforestation in our supply chain by 2023”**¹

¹Source: <https://www.unilever.com/news/news-search/2020/how-google-will-help-end-deforestation-in-our-supply-chain>



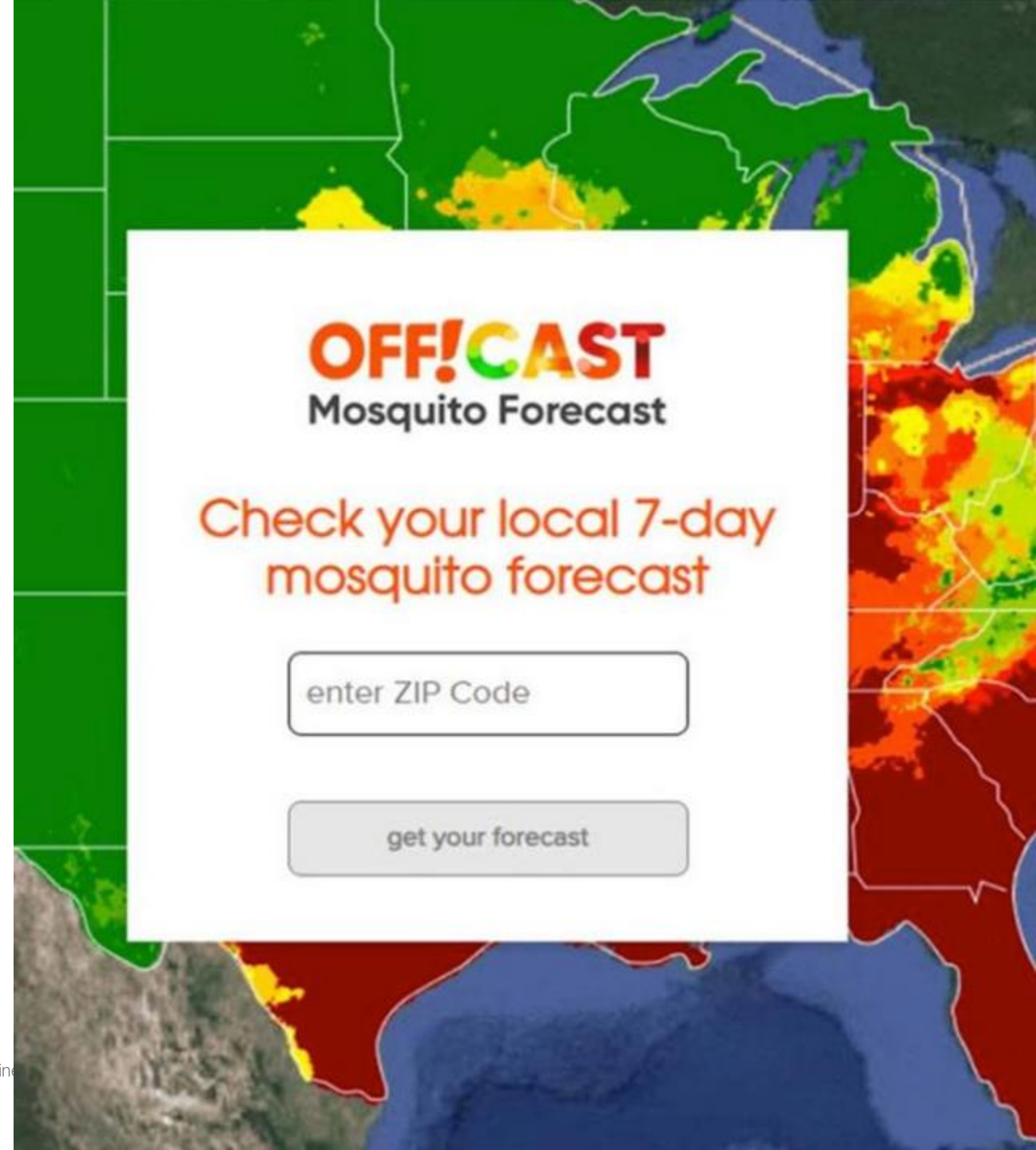
Case study:

SC Johnson

[Google and our partner Climate Engine worked with SC Johnson](#) to develop a new publicly available, predictive model of when and where mosquito populations are emerging in the United States.

Billions of individual weather data points are extracted from Google Earth Engine. This data is then merged with expert models on mosquito growth rates to produce a consumable forecast of mosquito populations, which can inform the public and also can drive inventory predictions for repellents and medications.¹

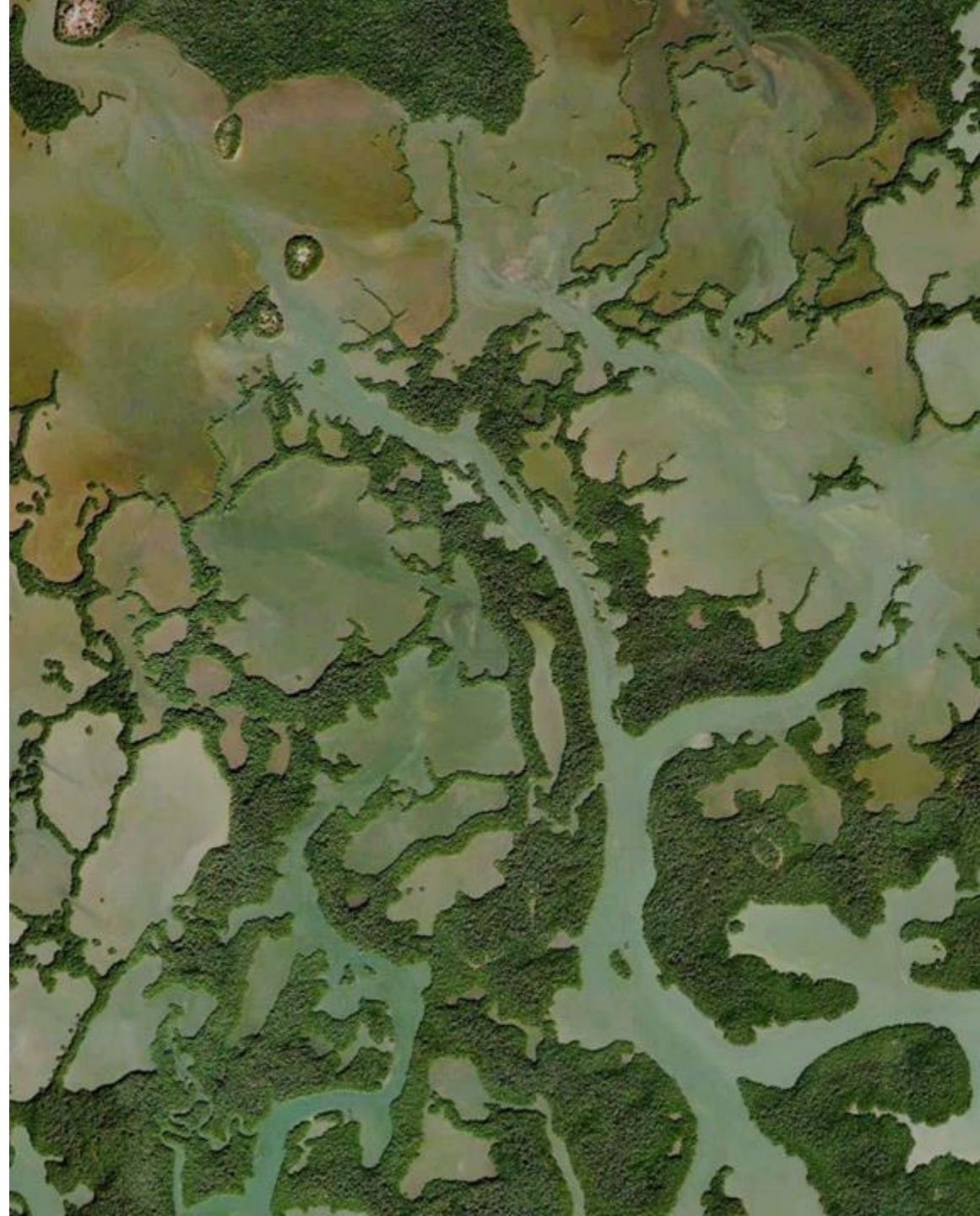
¹Source: <https://cloud.google.com/blog/products/data-analytics/sc-johnson-forecasts-mosquitoes-with-google-earth-engine>





Petri Kokko

Managing Director, Client Solutions, CE at Google





PROGRAMME

13.15 – 13.30 KEYNOTE

Stefan Hohm, CDO, Dachser

13.35 – 13.50 KEYNOTE

Marina Basso Michael, Regional Director Europe,
Port of Hamburg Marketing

13.50– 14.00 KEYNOTE

René Graichen, Head of Digital Service & Operations,
Cargotec / HIAB

14.05 – 14.20 KEYNOTE

Dr. Susan Wegner,
VP Artificial Intelligence & Data Analytics, Lufthansa Industry Solutions

14.25 –14.45 INNOVATION PITCHES

Nico Rahm & Petri Karinen, BusinessOulu
Timo Pernu, CEO, Diffo Solutions
Ari Knuuti, Business Development Partner, SensorFu

14.50 – 15.00 PITCH

Mari Kutila & Reina Waissi, Scandinavian House Hamburg