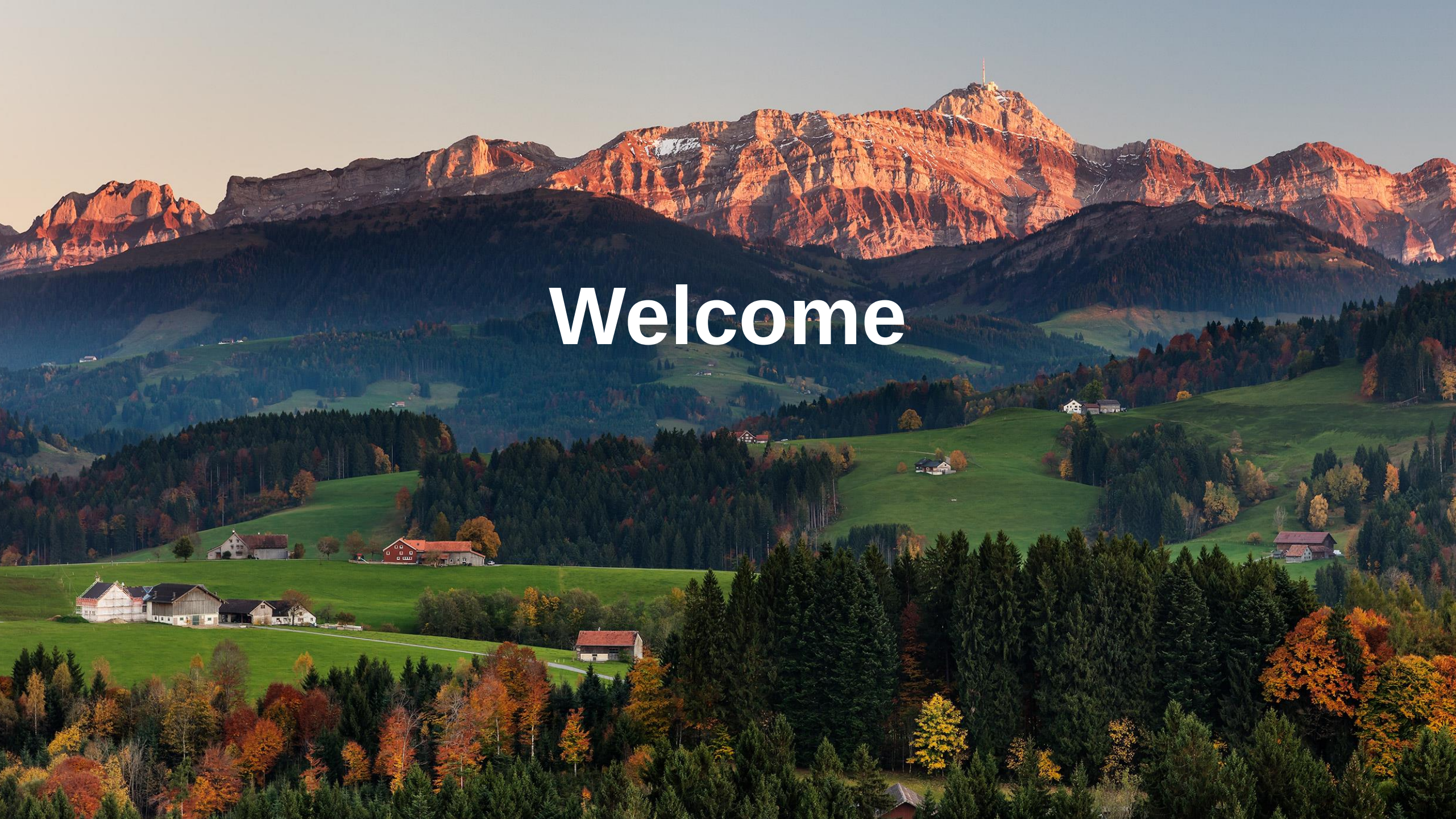


A scenic mountain landscape at sunset. The background features a range of rugged mountains with steep, rocky slopes and patches of snow. The sun is low on the horizon, casting a warm, golden light across the mountain peaks and the sky. In the foreground, there are rolling green hills covered in dense forests. Some trees have turned autumnal colors of orange and yellow, while others remain dark green. Several small, traditional houses with red roofs are scattered across the hillsides. The word "Welcome" is written in a large, white, sans-serif font across the center of the image.

Welcome



800
participants

500
companies

80
countries

Networking Days 2019

Relevance and impact

Food for more than **4 billion** people

Mobility for more than **1 billion** people

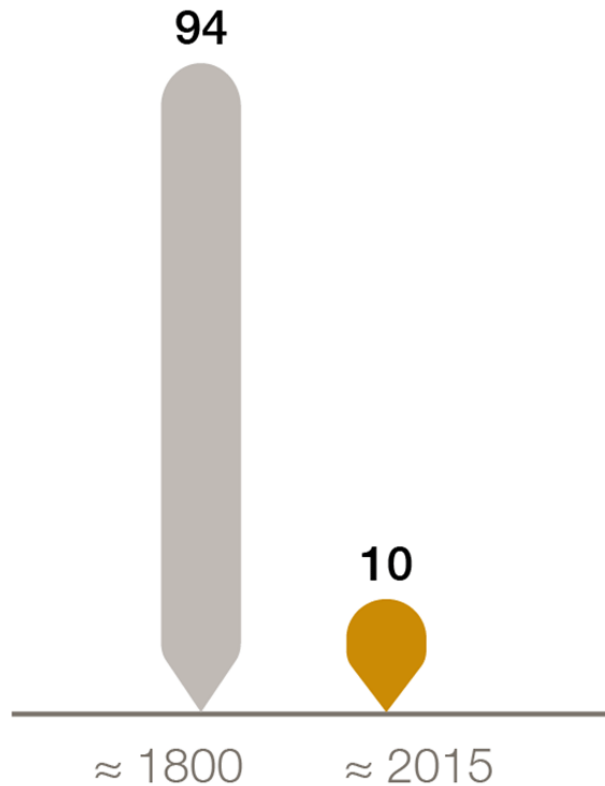


The best world.

People are getting out of extreme poverty.
Industry and globalization contribute to wealth.

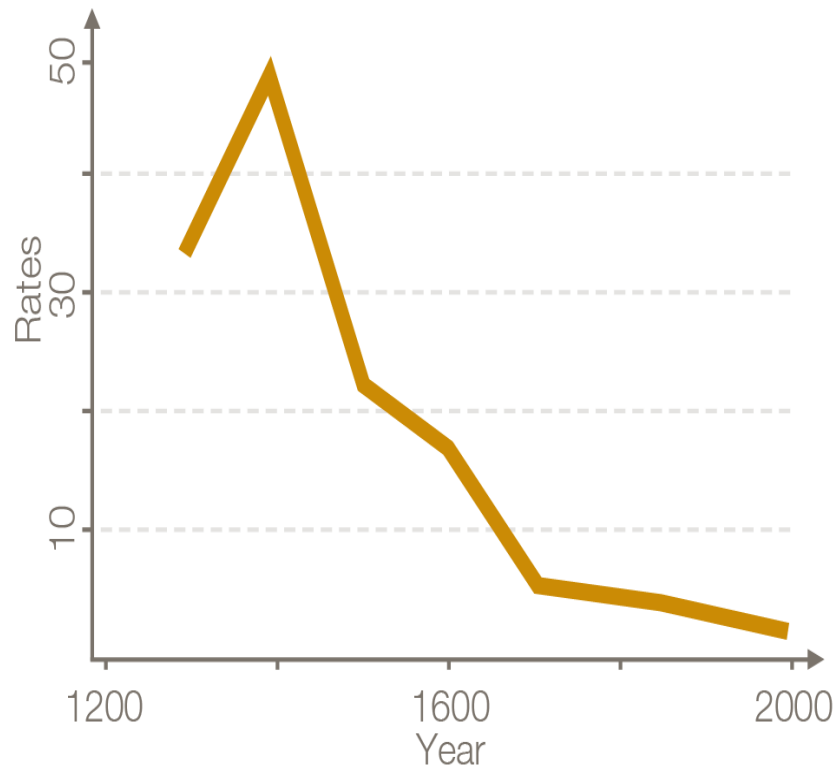
Extreme poverty

(people living in extreme poverty, in %)



The world is getting safer and safer.
Likelihood to become a victim of violence is on the decline.

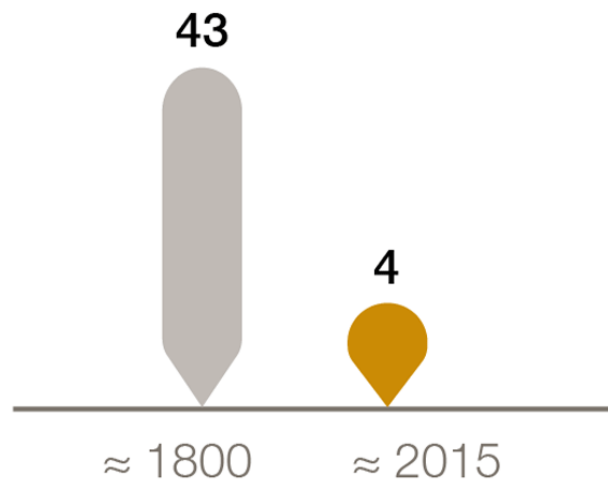
Victims of violence



Child mortality has decreased.

Child mortality

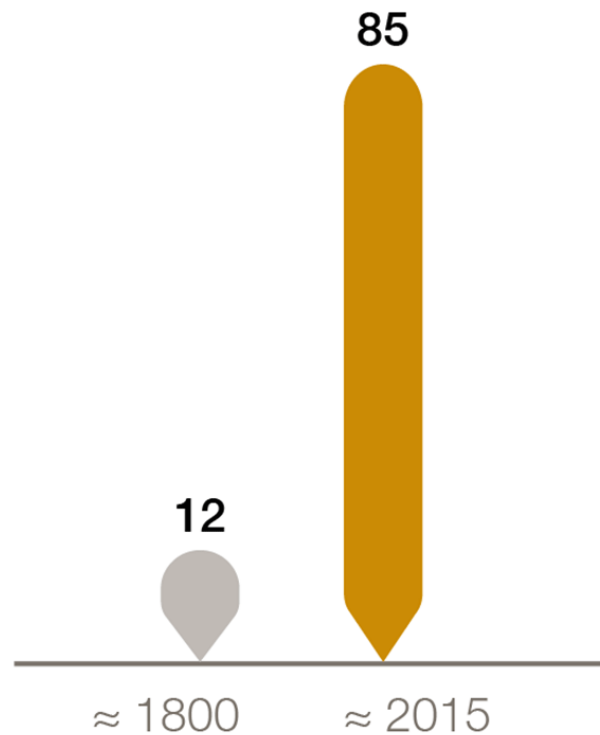
(children died before they are 5 years old, in %)



Basic education prevails.

Literacy

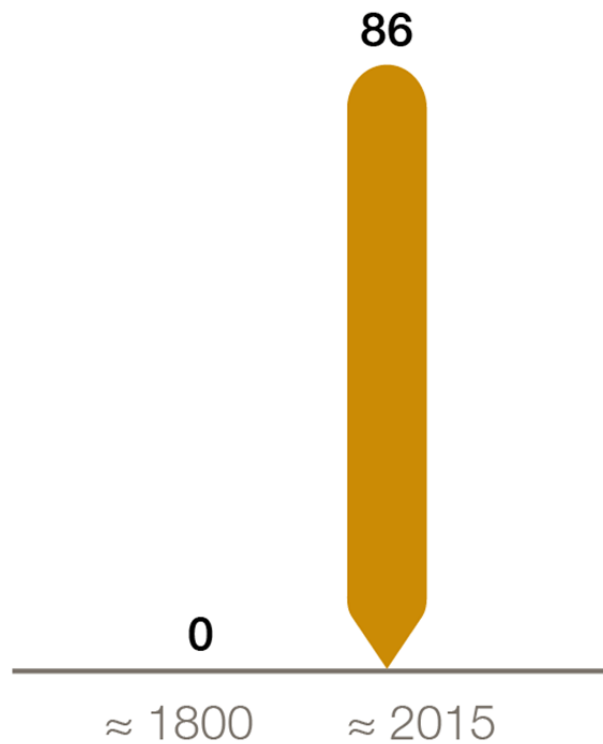
(people able to read, in %)



Access to health care has soared.

Vaccination

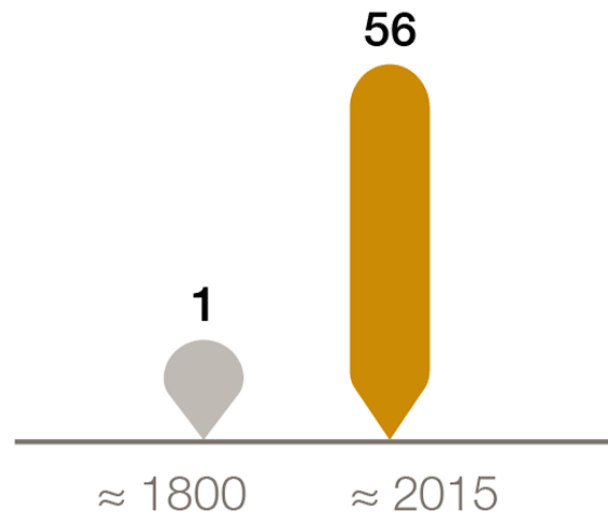
(people vaccinated, in%)



More people live in democracies.

Democracy

(people living in a democracy,
in %)



But the price we pay for wealth, comfort, and lifestyle is too high.

1.75 x

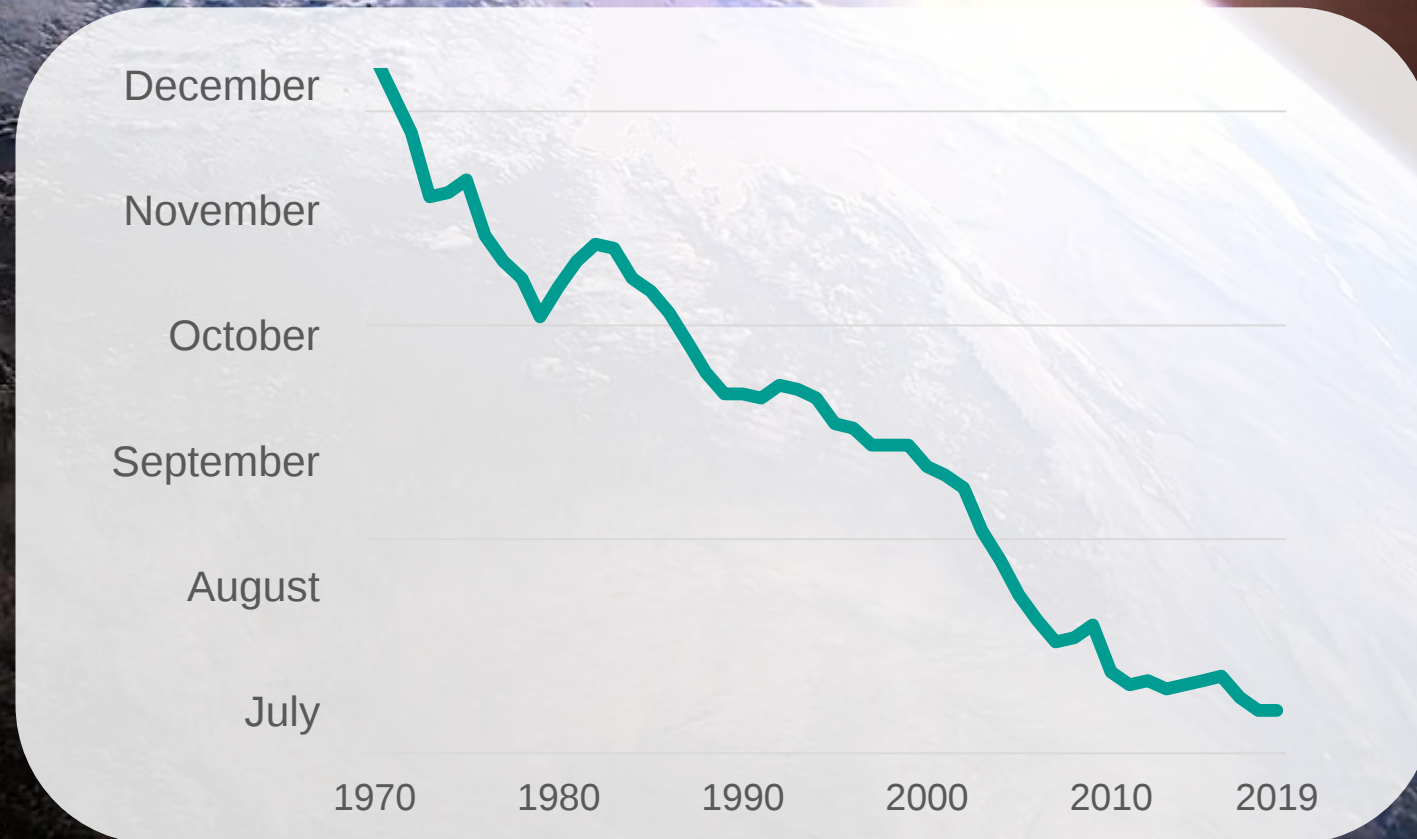
the resources
than our planet
can restore.



source: www.overshootday.org

The earth-overshoot date in 2019: July 29th

**Months until
we overshoot:
From December
to July,
in 50 years.**



source: www.overshootday.org

A changing world.



Limiting global warming to 1.5 °C has to be set by 2030
10-year window for impact.

“Until 2030, we have to identify and scale globally and rapidly the most promising technologies to mitigate climate change.”

Source: IPCC

We don't have an energy problem, we have a CO₂ problem.
Global energy mix still relies heavily on fossil fuel like coal.





By 2050 we will be more people, live in cities, and be wealthier.

**9.8 bn by
2050:**

**Africa (+1.2 bn)
& Asia (+0.8 bn)**



70%

**of people to live
in megacities >
10 m**



130% GDP

**growth, mainly in
emerging markets**



>70% rise

**in resource
intensive foods
such as meat and
seafood**

Bio Tech: crops of the future come out of the fermentation tank.



The transition from field and ocean to the tank has already started.



Water footprint.

71%
of fresh water
used in
agriculture

1 kg
of beef meat
requires
>15,000 L
of water

3,000 l
of water on
your plate.
Every day.

Plastics: Increasing relevance.

Only 2%
of 78 m tons p.a. of
plastics-packaging
is being
recycled.

14% incineration
40% landfilled
32% leakage

Personal mobility is where the people are.
Traffic jams are daily routine in large cities.



Electrification



Autonomous vehicles



Shared economy & mobility as a service



**Technological
trends in the
fourth transport
revolution.**

Digitalization, big data & the cloud



Digitalization changes the world.

Source: Hootsuite

JAN
2019

DIGITAL AROUND THE WORLD IN 2019

THE ESSENTIAL HEADLINE DATA YOU NEED TO UNDERSTAND GLOBAL MOBILE, INTERNET, AND SOCIAL MEDIA USE

TOTAL
POPULATION



7.676

BILLION

URBANIZATION:

56%

UNIQUE
MOBILE USERS



5.112

BILLION

PENETRATION:

67%

INTERNET
USERS



4.388

BILLION

PENETRATION:

57%

ACTIVE SOCIAL
MEDIA USERS



3.484

BILLION

PENETRATION:

45%

MOBILE SOCIAL
MEDIA USERS



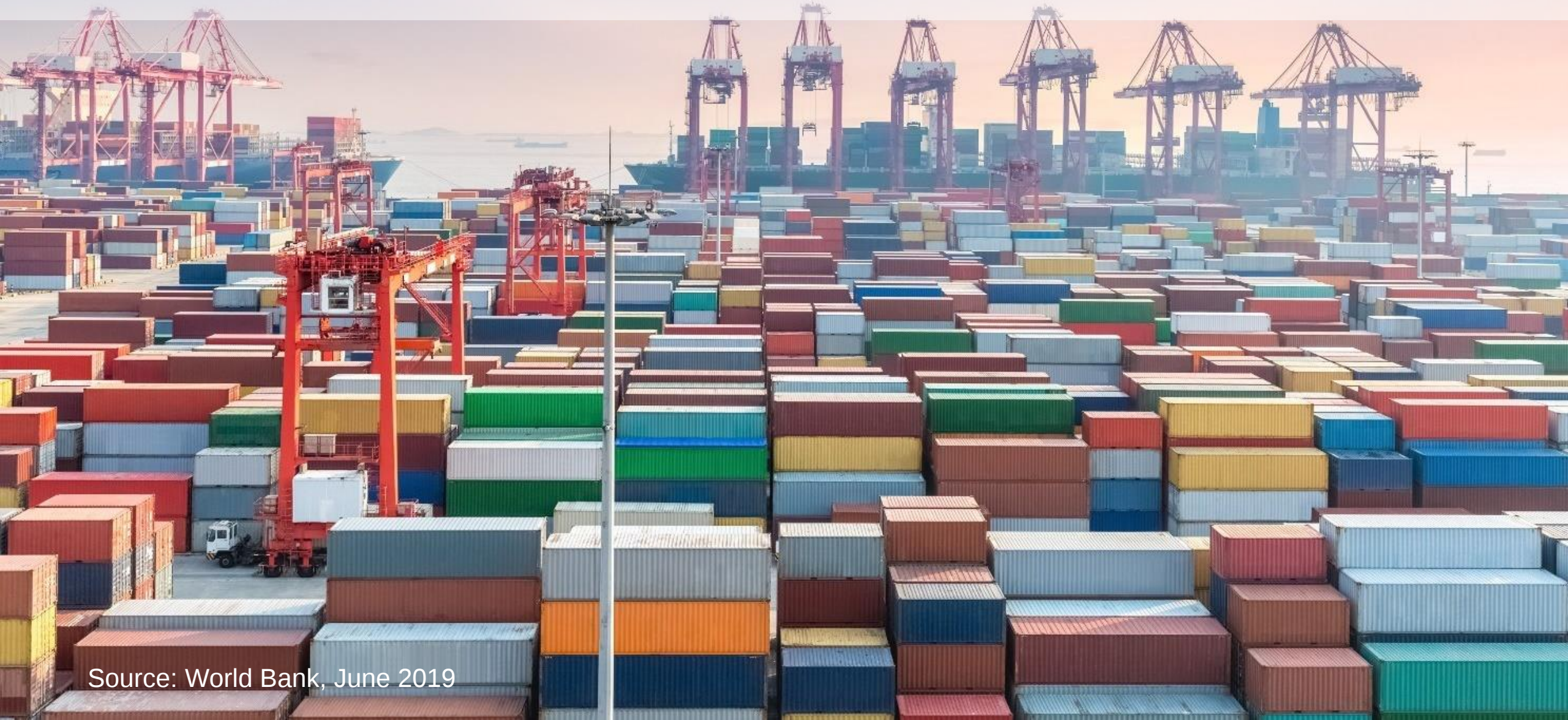
3.256

BILLION

PENETRATION:

42%

Global economic growth slowing down.
Forecast: a weaker-than-expected 2.6% GDP growth in 2019.



Source: World Bank, June 2019



How can we turn
all of this into
good business
in a responsible
way?

We started the journey together.

**As an industry, we take up responsibility.
Becoming part of the solution.**



**Massive investments and programs initiated
for innovation and sustainability**



Developments at Bühler.

Bühler Advanced Materials business.



Consumer Foods.



Digitalisation of Bühler.

[PRODUCTS](#)[SOLUTIONS](#)[SERVICES](#)[SUPPORT](#)[ABOUT](#)[@Work](#) > [EcoStruxure™](#) : IoT-enabled architecture and platform > [Platform](#)

Microsoft



Bühler Insights™ : Our platform for IoT-enabled applications across all industries



Developing talents and networks.



Our customers' success is our success.

Vast training & education network for our customers.



6
Schools, e.g.
African Milling
School
4,000
Graduates



5,000
customers
trained along
value chains

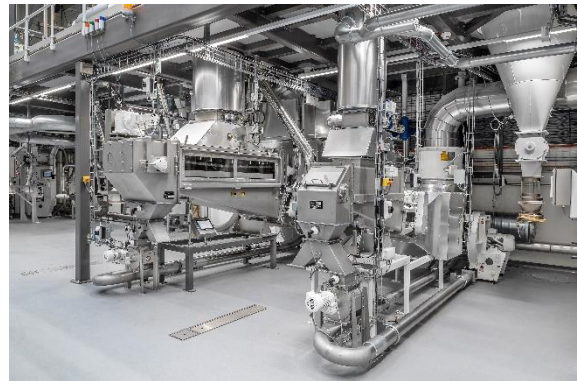


29
Application
Centers
worldwide



1,000
training courses
in
21
Training
Centers

Our Application Labs and Analytical Labs.





Vietnam



Changzhou



Raleigh



Alzenau



Leoben



Minneapolis

The CUBIC. Collaborative innovation and learning.



NWDs 2016: Target to reduce energy and waste by 30%.



40% less
energy for
pasta drying



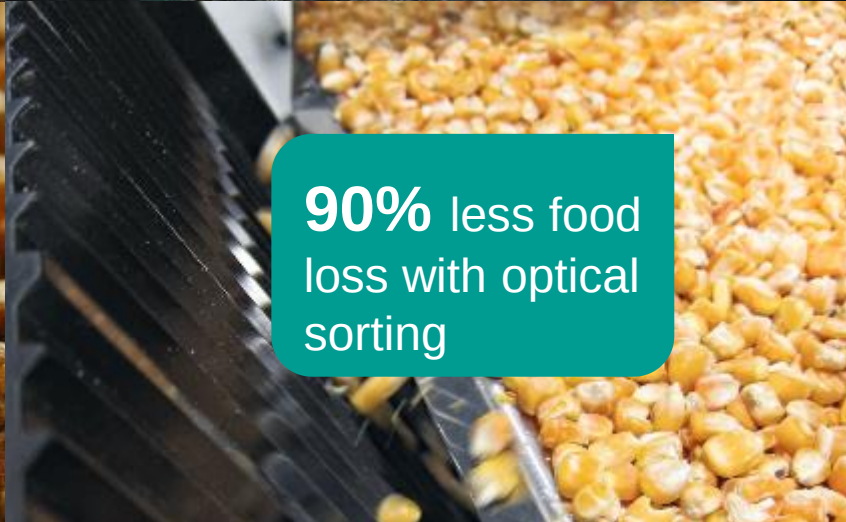
90% less water
with no waste water
in tortilla production



50% less
energy in
buildings



USD 20,000
energy savings
per customer



90% less food
loss with optical
sorting



50% less
energy for
coffee roasting

NWDs 2019: Setting new targets for Bühler.

50% less

ENERGY

WASTE

WATER

Innovations for a
better world.



Networking Days 2019

Are we doing enough as

Industry



Company



Individuals



**Sustainable food and
feed value chains**

**Sustainable mobility
of the future**

Talent

Digital

**Collabo-
ration**





Creating tomorrow together.



**We don't own this planet.
We only borrowed it from
our children.**

Rauchen verboten

THANK
YOU!



Production
Quality /
Food Safety

Process
Performance

Reliability,
Availability

Performance
Upgrades

Asset
Lifetime
Extension

