Growing data...

the importance of capturing, sharing, validating and monetizing data throughout Food & Agri ecosystems

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Global challenges

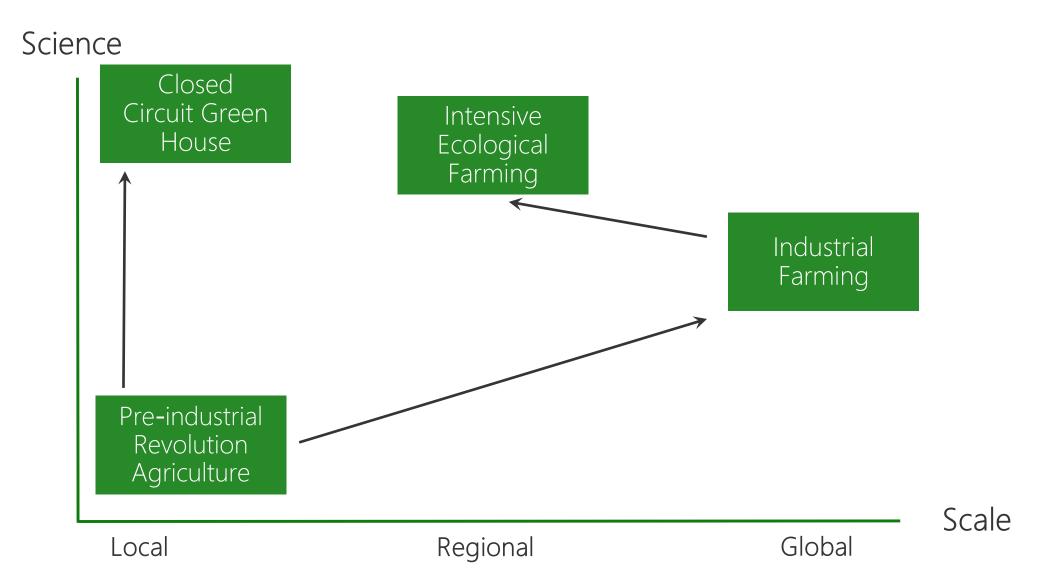
Feed 9.6 billion people in 2050

Preserving scarce natural resources while increasing production

Global shifts in diet and taste



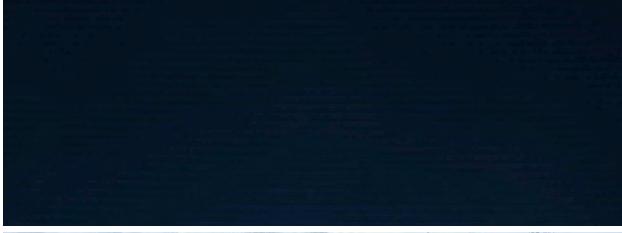
We need to feed the whole world



Fourth industrial revolution

Digital Transformation







DIGITAL TRANSFORMATION

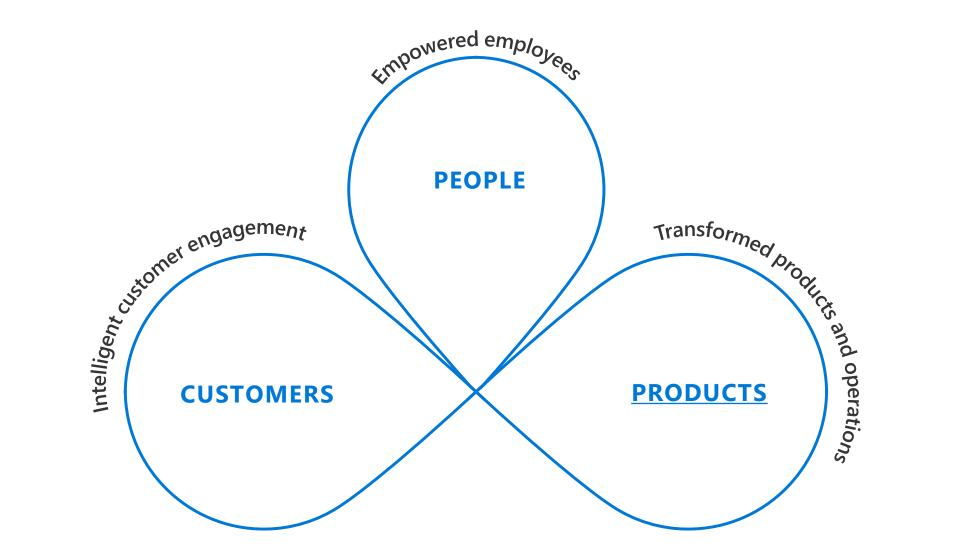








DIGITAL FEEDBACK LOOP





SOME TRENDS IN "DIGITAL"

By 2018, six billion "things" will have the ability to request support – Gartner

25 billion connected "things" will be in use by the end of 2018 – *Gartner*

500 billion connected 'things' will be in use 5 years from now – Frost & Sullivan

By 2025, the Internet of Things could generate more than \$11 trillion a year in economic value - McKinsey



The Age of DATA



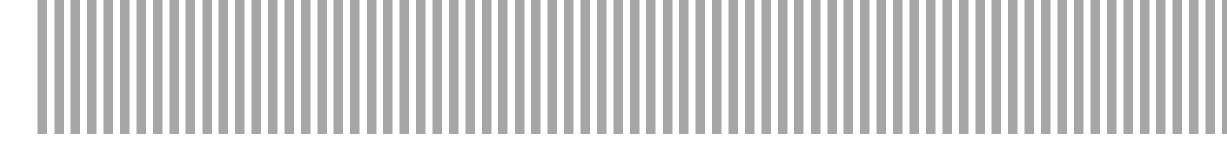
How Did We Get Here?

"Datafication"

Acquiring & Storing 1 TB Of Data

Acquiring & Storing 1 TB Of Data

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1982 – $ 1.5 B
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2018

\$5.00



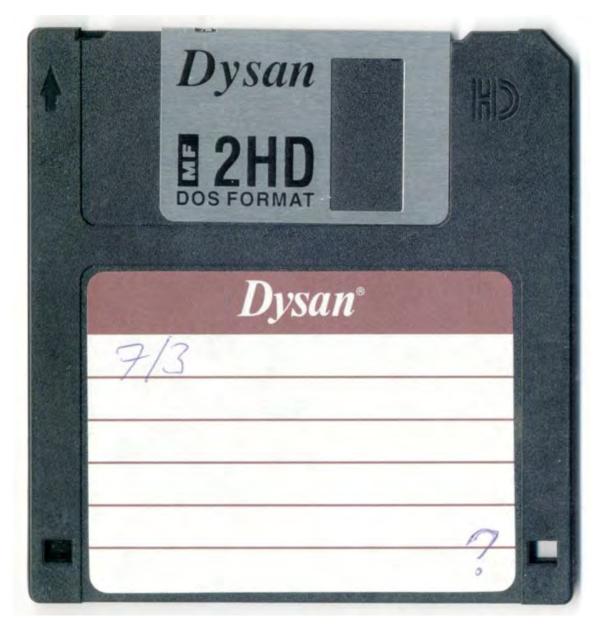
"This data *currently* has not enough value to bother deleting it."

(emphasis mine)

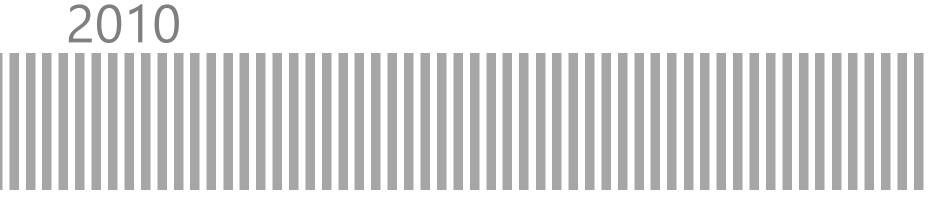
How Did We Get Here?

"Datafication" Cheap storage

Information Production



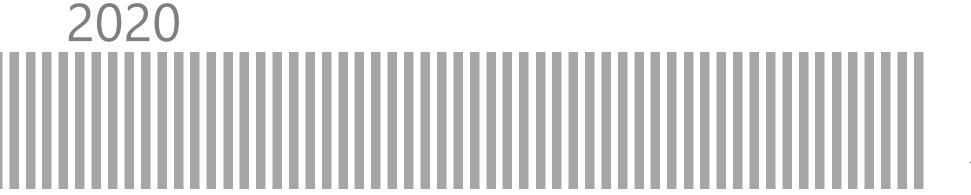
Information Production



1.2 ZB Source: IDC 2010 – Digital Universe Study

Information Production

2010 - 1.2 ZB



35 ZB

Source: IDC 2010 – Digital Universe Study

 $1 \text{ ZB} = 1 \text{ ZettaByte} = 10^{21} \text{ bytes} = 1.000.000.000.000.000.000.000}$ b





Fruitmasters



Data is the new currency

You can use data more than once. (compare to resources)

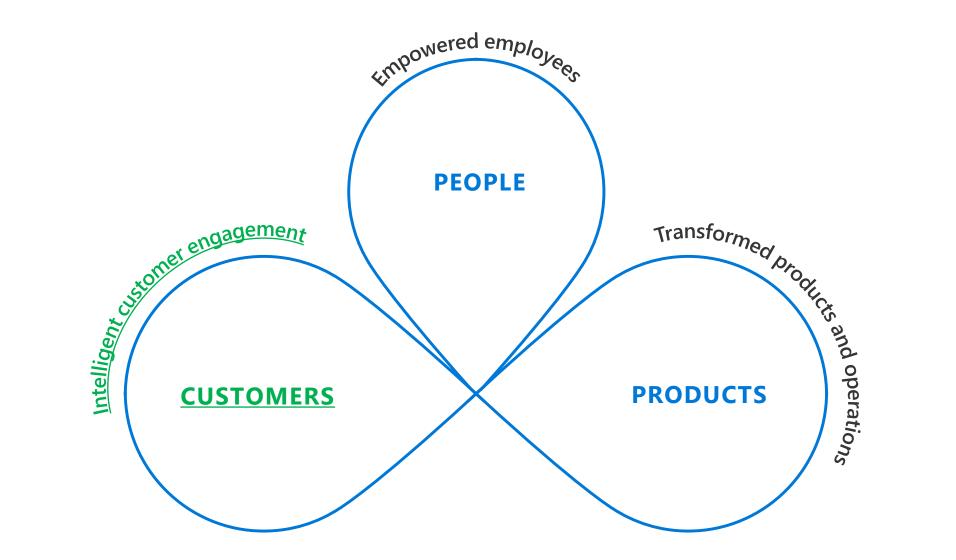
Data does not break or require maintenance. (like a machine)

Data does not get tired or suffer from burn-outs. (like humans)

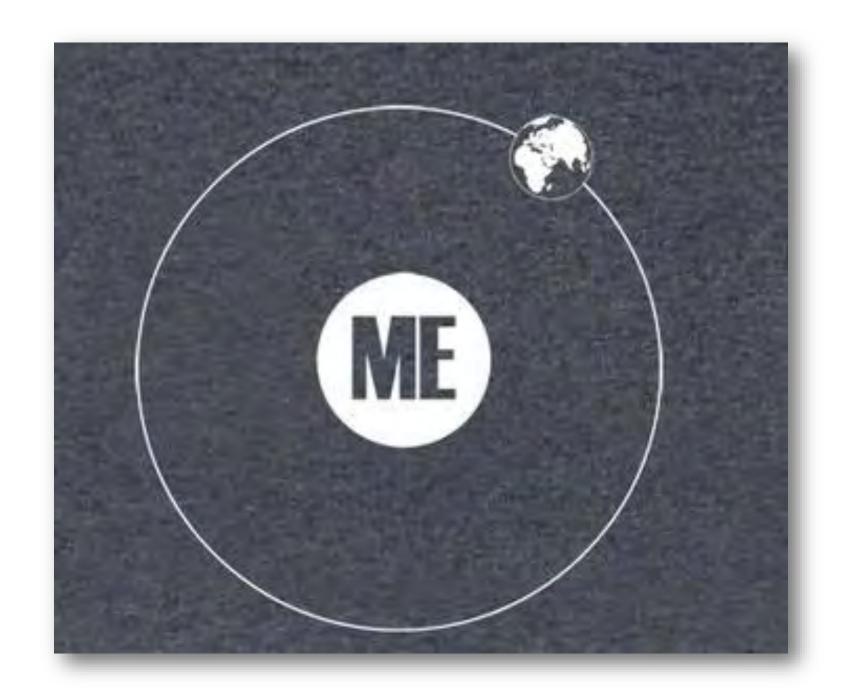
OK... so what now?



DIGITAL FEEDBACK LOOP

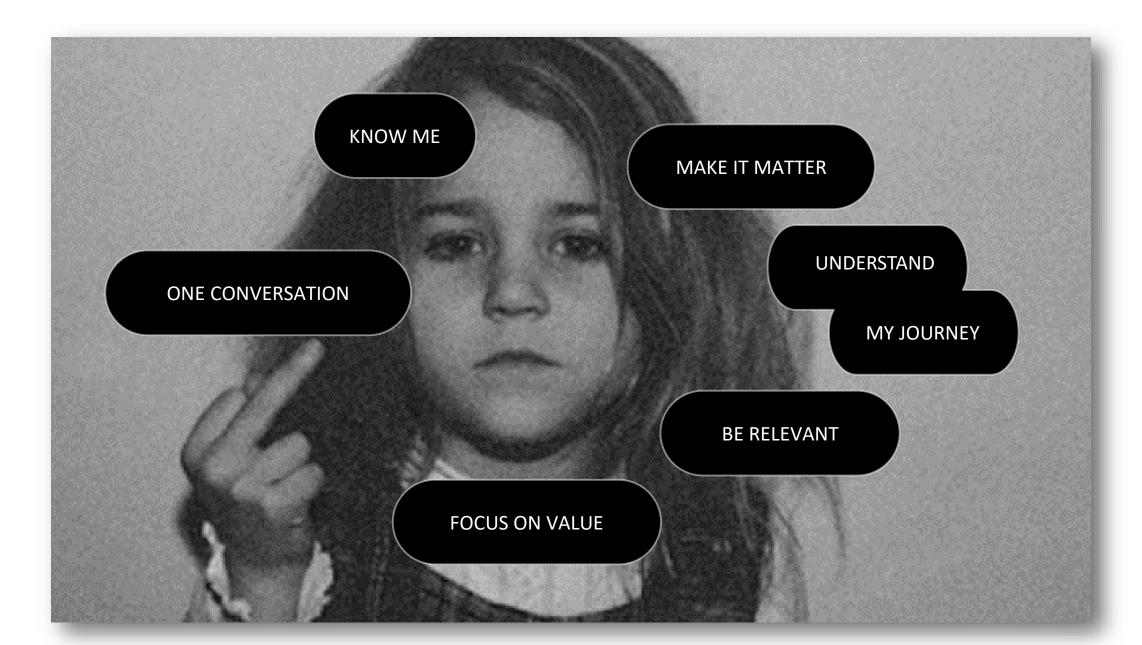


CUSTOMER 2.0



THE CUSTOMER HOLDS THE KEY

EXPECTATIONS

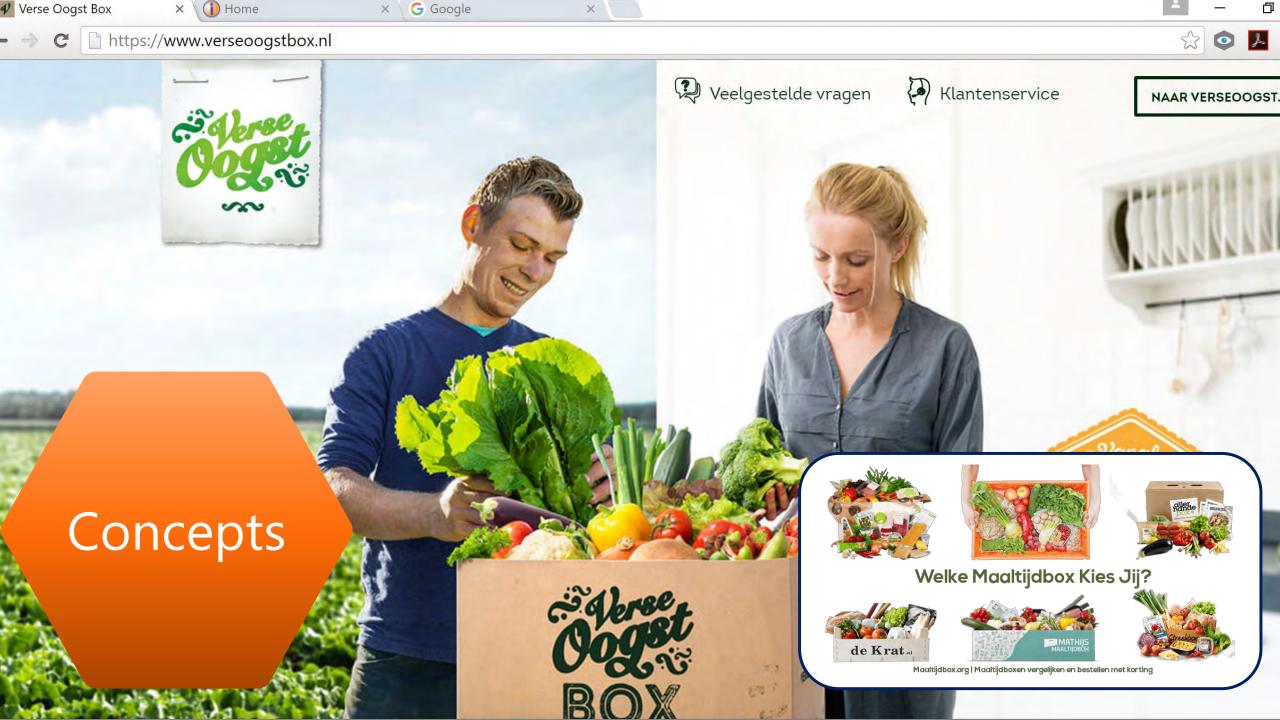




FOR EVERY CUSTOMER



ANY PI A(F ANY (HANNEL ANYIIMH





Dagelijks vers op de boerderij gebakken

BEKIJK ALLE SMAKEN

HOEKSCHE

Heerlijke chips, zo van 't land!



Disruption and innovation at every stage of the F&A Chain









































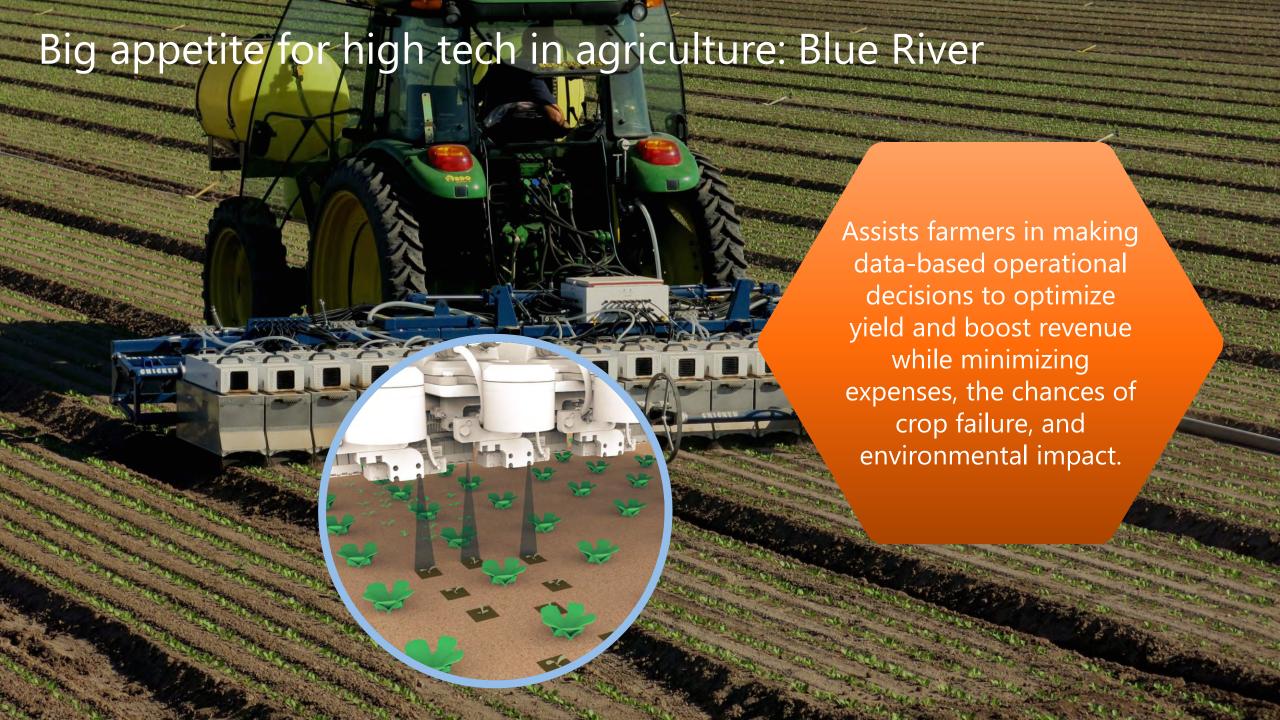












Find the needle in the haystack with Lumo Vision

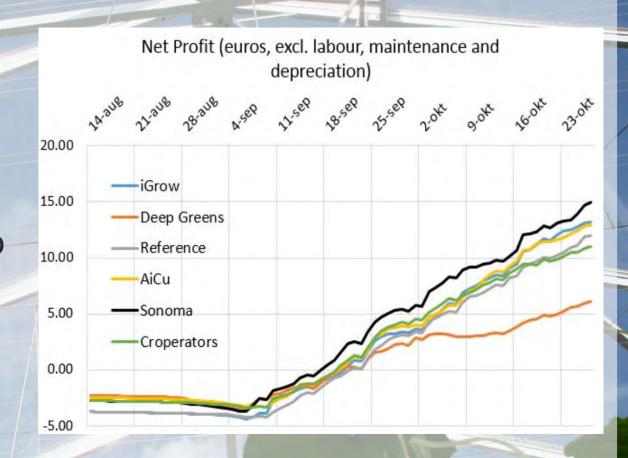
Data-driven
grain sorting
technology to
ensure traceability
and quality of the
product.

Autonomous Greenhouse Challange

BUILD THE GREENHOUSE OF THE FUTURE

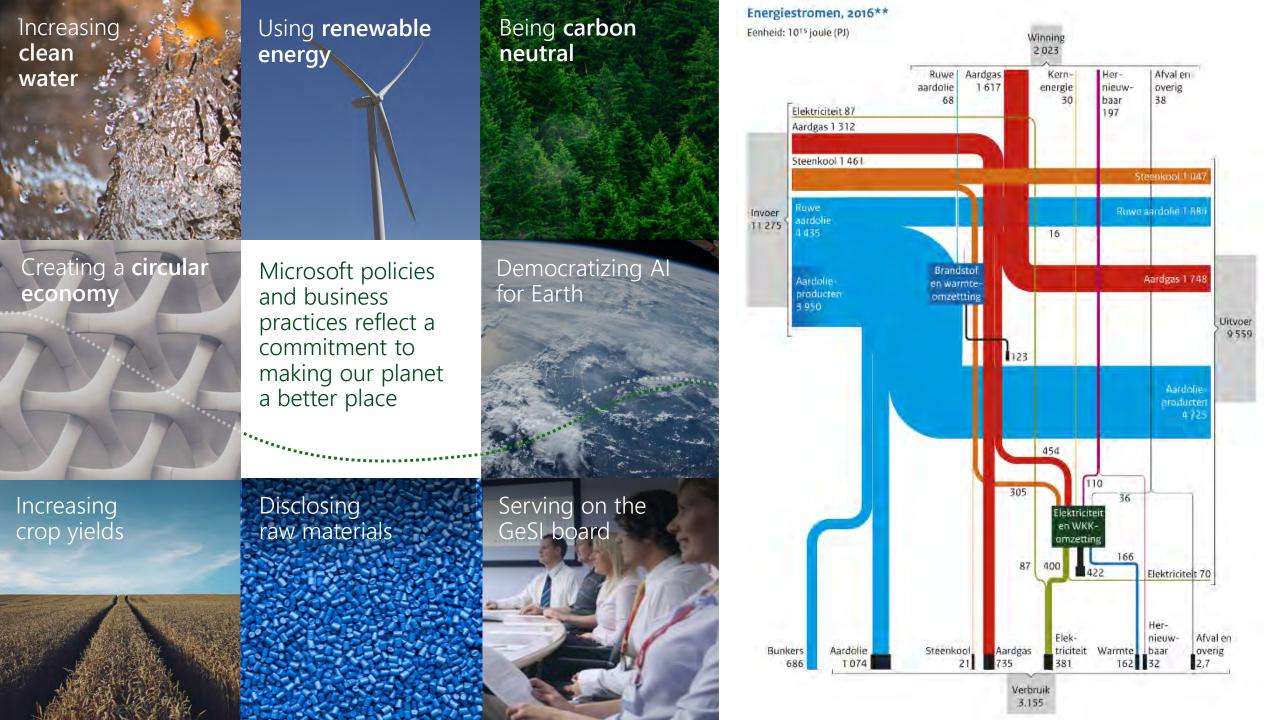
Follow our international challenge to improve greenhouses through AI and sensors

Most profitable outcome wil win









Thanks

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