DEEPFIELD ROBOTICS

2016 WORLD FORUM FOR A RESPONSIBLE ECONOMY

FROM THE INTERNET OF FIELDS TO THE INTERNET OF PLANTS

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BOSCH DEEPFIELD ROBOTICS
Deepfield’s ingredients for the Ag future

Picture of the future: Automated Field Testing

KEEP CALM AND LISTEN TO THE CUSTOMER
World Forum Arras
From the Internet of Fields, …

Telemetry on fields: **Deepfield® Connect** - Asparagus Monitoring

Sensors measure the temperatures in the soil mound. The sensor box relays the data via the cloud to the asparagus grower’s smartphone.
World Forum Arras
… to the Internet of Plants

Conventional Seed quality field trials

TODAY

Every year from March till June
Much manual work

Weather dependent

TOMORROW
High Throughput Field Screening

Plant Counting
Plant Growth Tracking

Rate of Field Emergence

 Related Weather Conditions

Automated Workflow
High Quality Data

“Plant data base“ for each individual plant

Improved Seed Quality based on better decisions

Deepfield Robotics
A Bosch Start-Up Company
World Forum Arras
… and Selective high-density Weeding

Weeding in organic farming

**TODAY**

“Ag-tsunami”
labour costs, banned chemicals, resistances, super-weeds, etc.

**TOMORROW**
Automated herbicide-free weeding

- Slow Motion
- Mechanical high-density weed control
- Weeding mobile
- 32 pneumatic actuators, up to 20 weeds/s

Count emerging plants!

Automated herbicide-free weeding

TODAY

Weeding in organic farming

TOMORROW

Automated herbicide-free weeding
THANK YOU