GROW!: Impact on future horticulture innovations

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22 January 2020

Innovations never come alone

Courtesy of Harrij Schmeitz, TechnologyPull

Innovations put horticulture upside down

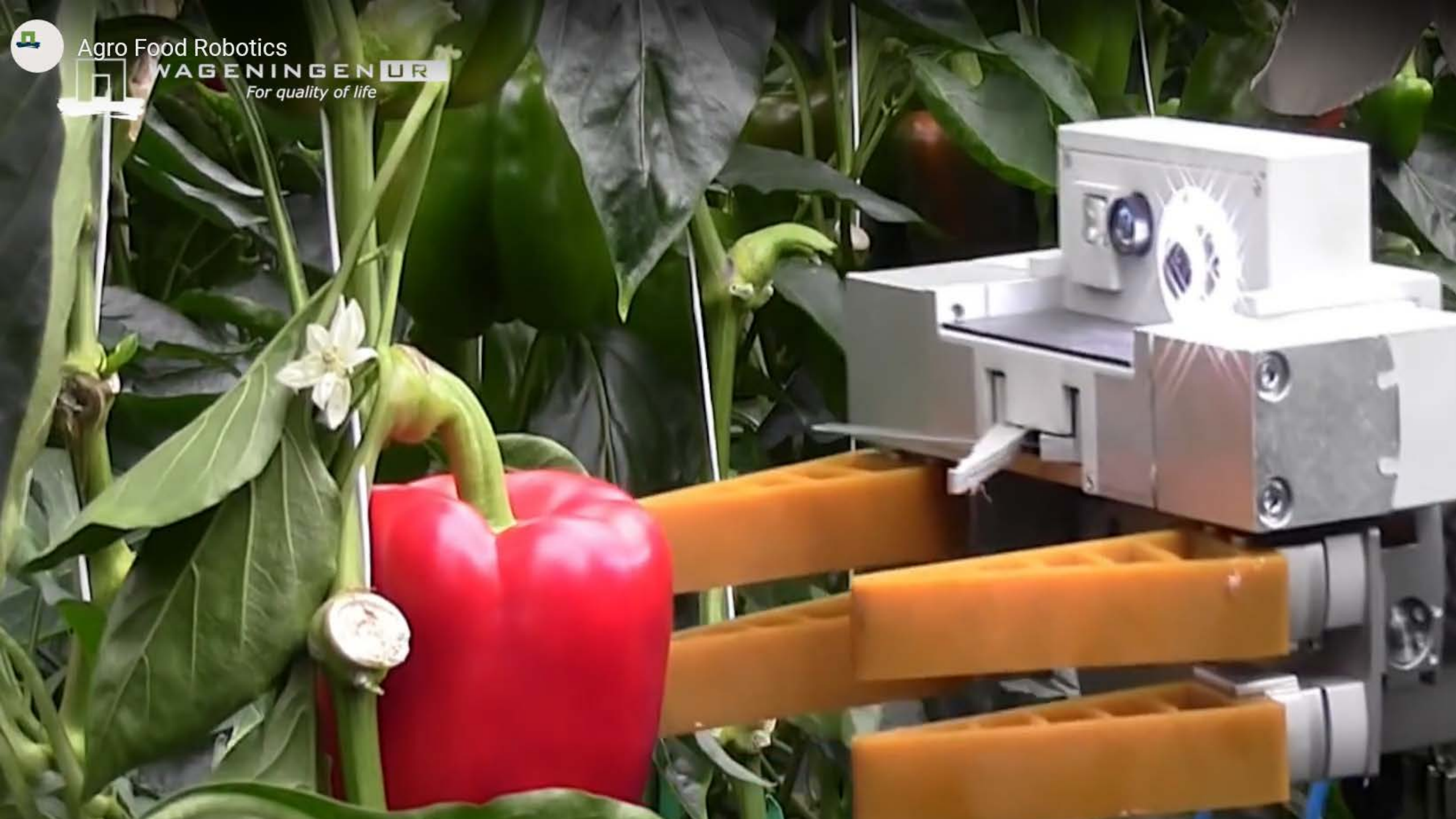
- From:

  Tech for Farming

- To:

  ‘Farming’ for Tech

Courtesy of Harrij Schmeitz, TechnologyPull


Agro Food Robotics
WAGENINGEN UR
For quality of life

The future greenhouse

- Grows crops better than growers do due to sensors, data and AI
- Is (almost) fully automated
- Is energy neutral or energy generating
- Is CO2 positive
- Has a predictable and programmable yield
- Is mainly data driven and fits perfectly well in a data-driven supply chain
- Needs all sorts of data as input for the cultivation, a.o. of climate, root environment and crop performance

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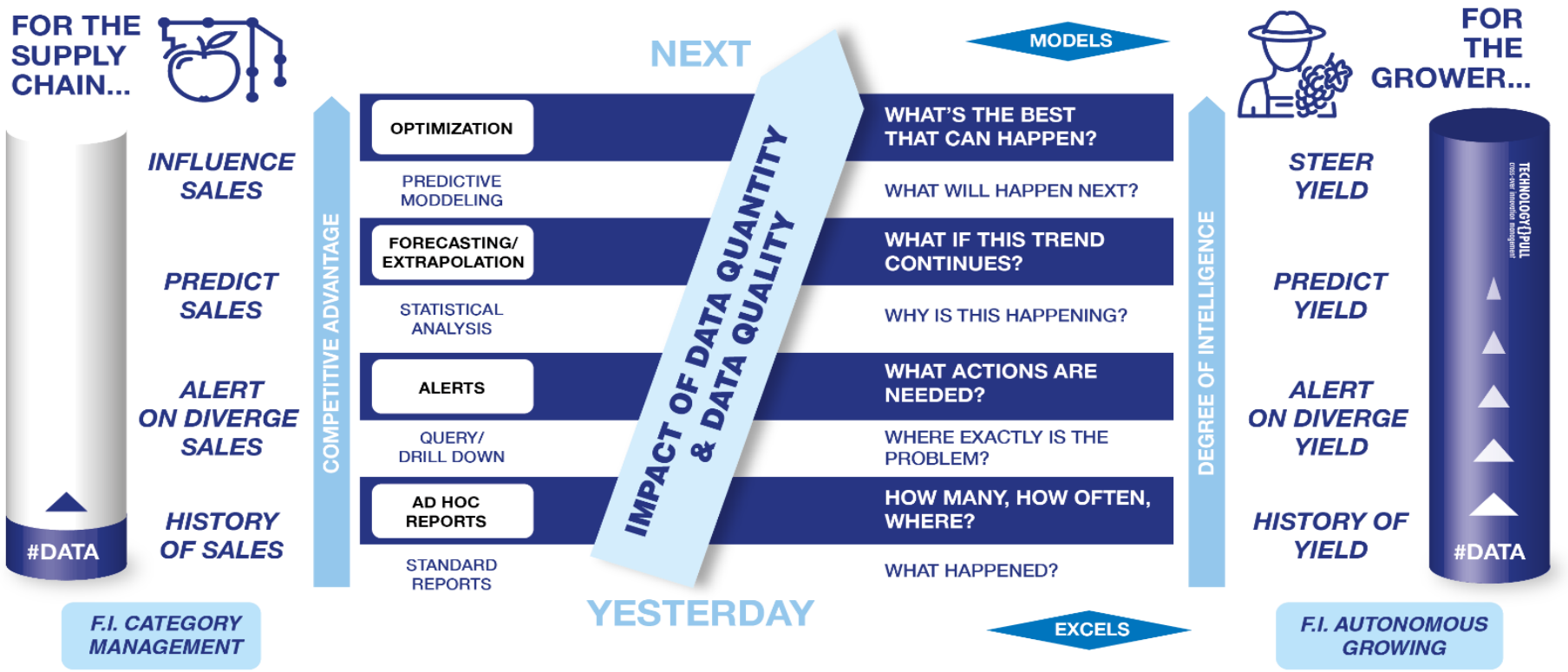
Opportunities for big data & AI in fresh produce

Courtesy of Harrij Schmeitz, TechnologyPull



But in order to get there

- We need the right type of sensors
- For crop data (Scout project)
- For climatical data (GROW!), temperature, humidity, CO2 and light
- And for root environment data (GROW!), Potassium and Calcium)

End

Spreker, organisatie