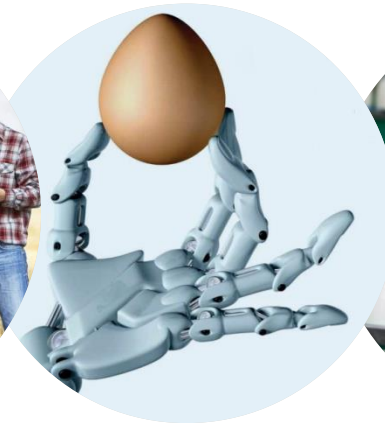


HIGH TECH TO FEED THE WORLD

Frans Kampers

Adelaide — 16 May 2017



CHALLENGES FOR THE AGRICULTURAL AND FOOD SECTORS

Solutions also from high tech are needed for:

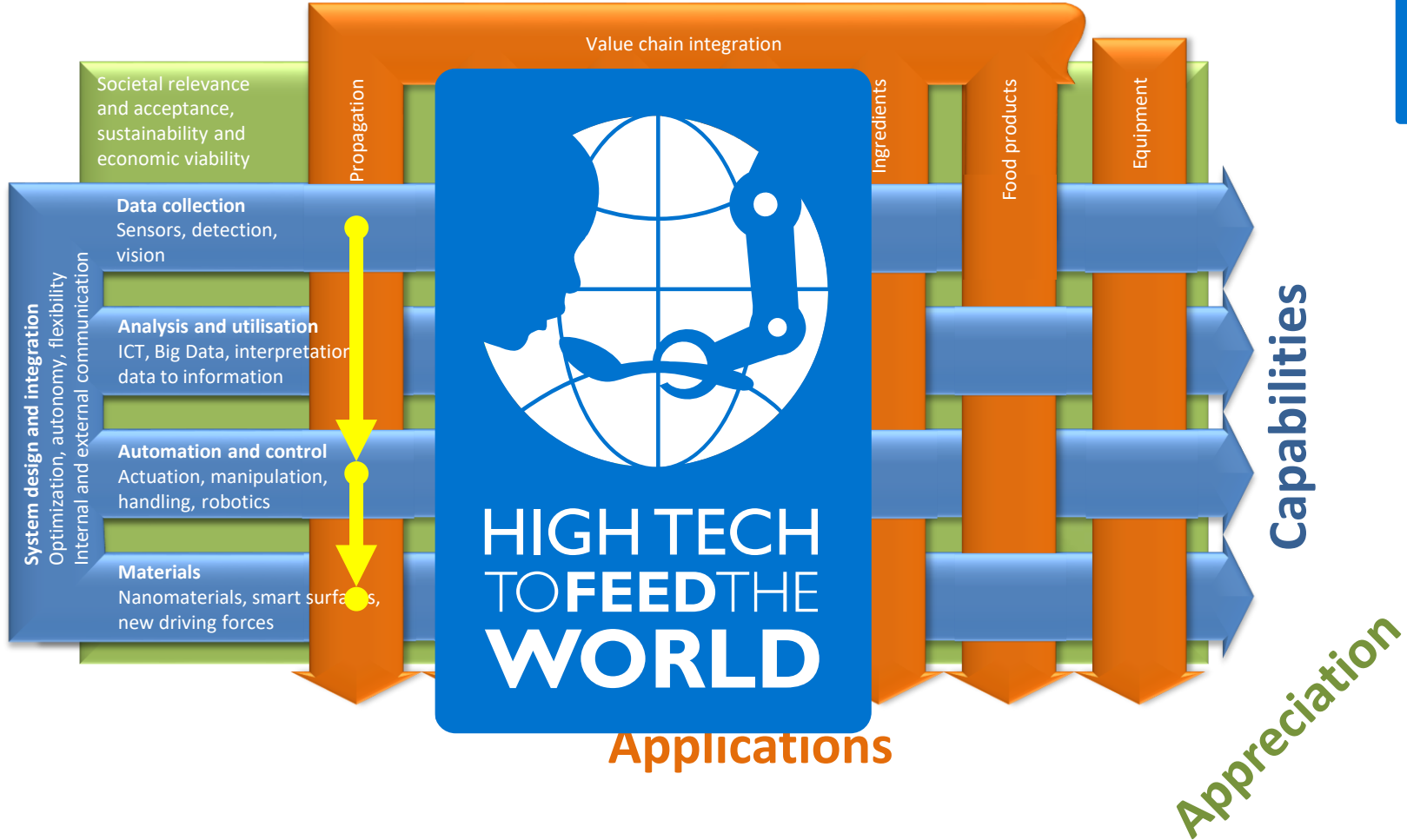
- Nutrition security
- Sustainability
- Consumer health and wellbeing
- Product quality and safety
- Decreasing workforce
- Economic feasibility
- Societal appreciation and trust



CHALLENGES FOR HIGHTECH APPLICATIONS IN AGROFOOD

- Non-uniform objects / circumstances
- Undefined world model
- Formidable competition
- Unfavourable environments
- Little Tech affinity





The Marvin project

MAchine vision Robot for advanced INspection of seedlings



new driving forces

Food products

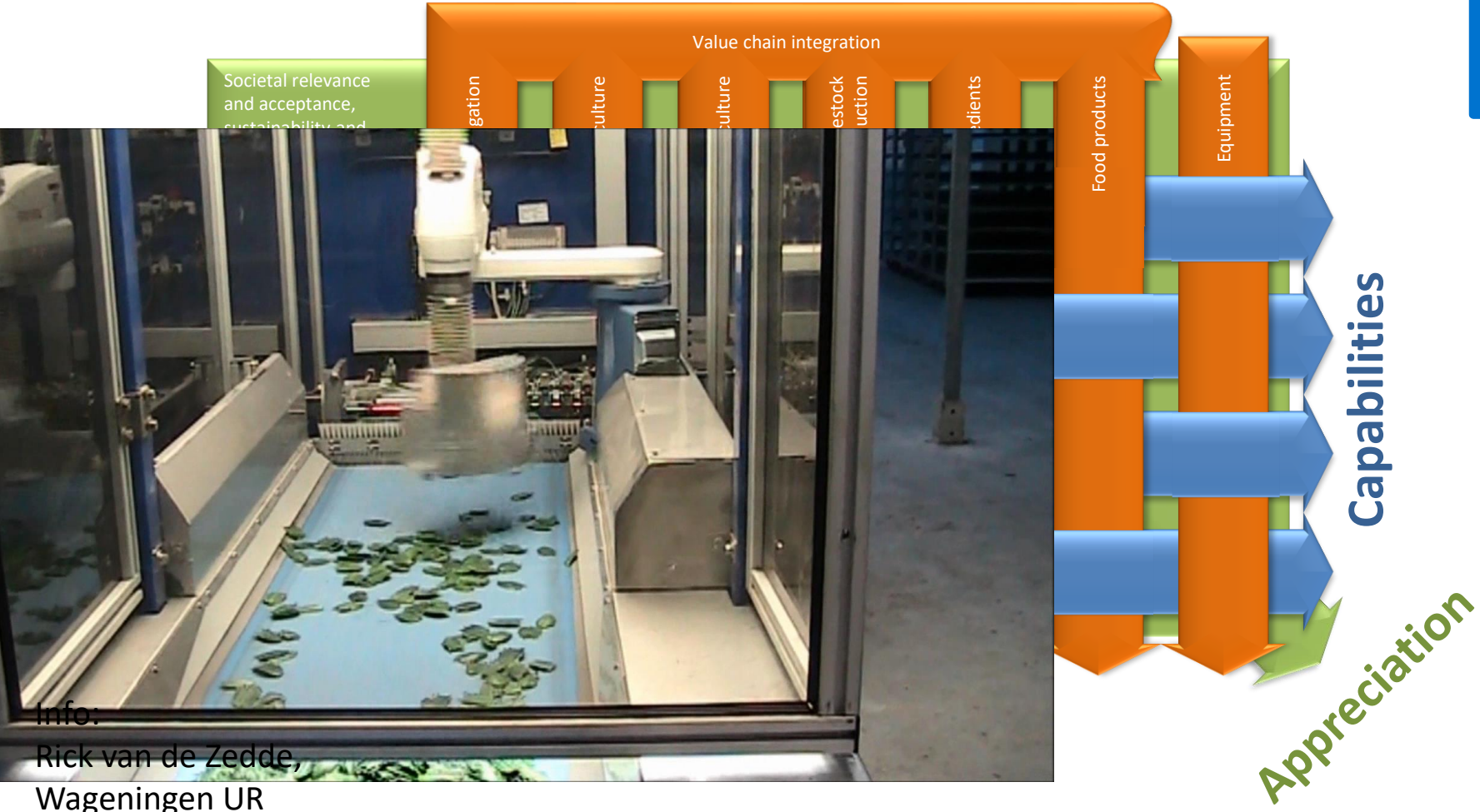
Equipment

Capabilities

Applications

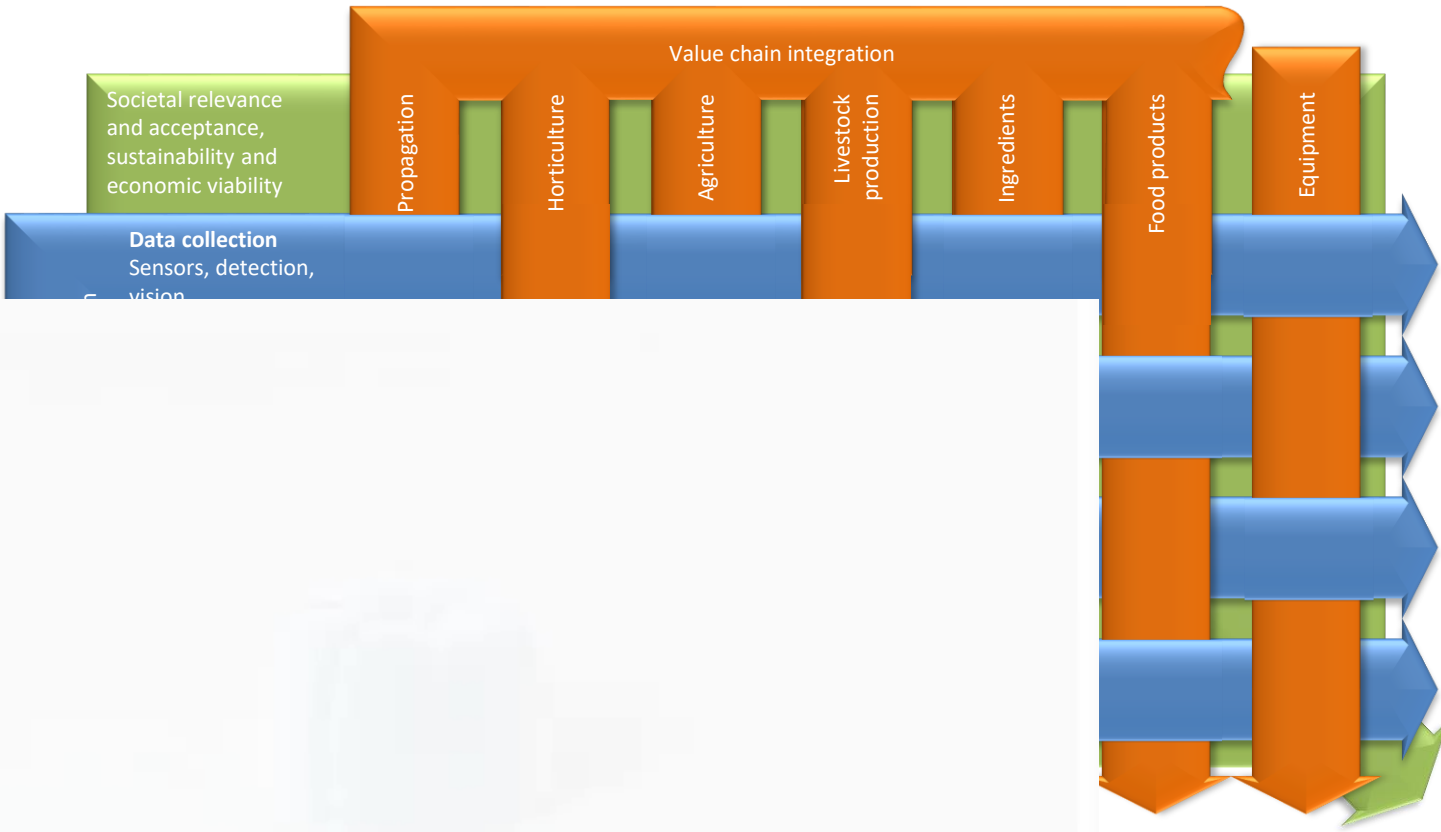
Appreciation

Info:
Rick van de Zedde,
Wageningen UR



Info:

Rick van de Zedde,
Wageningen UR



Capabilities

Appreciation



Materials
Nanomaterials, smart surfaces,
new driving forces

Equipment

Capabilities

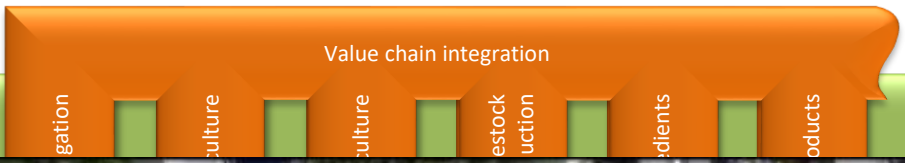
Applications

Appreciation

Courtesy:

Kas
TuinbouwTV

Societal relevance and acceptance, sustainability and



Appreciation

A green arrow pointing downwards, labeled 'Appreciation'.

CROPS
Clever Robots for Crops
www.crops-robots.eu



Info:
Jan Bontsema en Jochen Hemming,
Wageningen UR



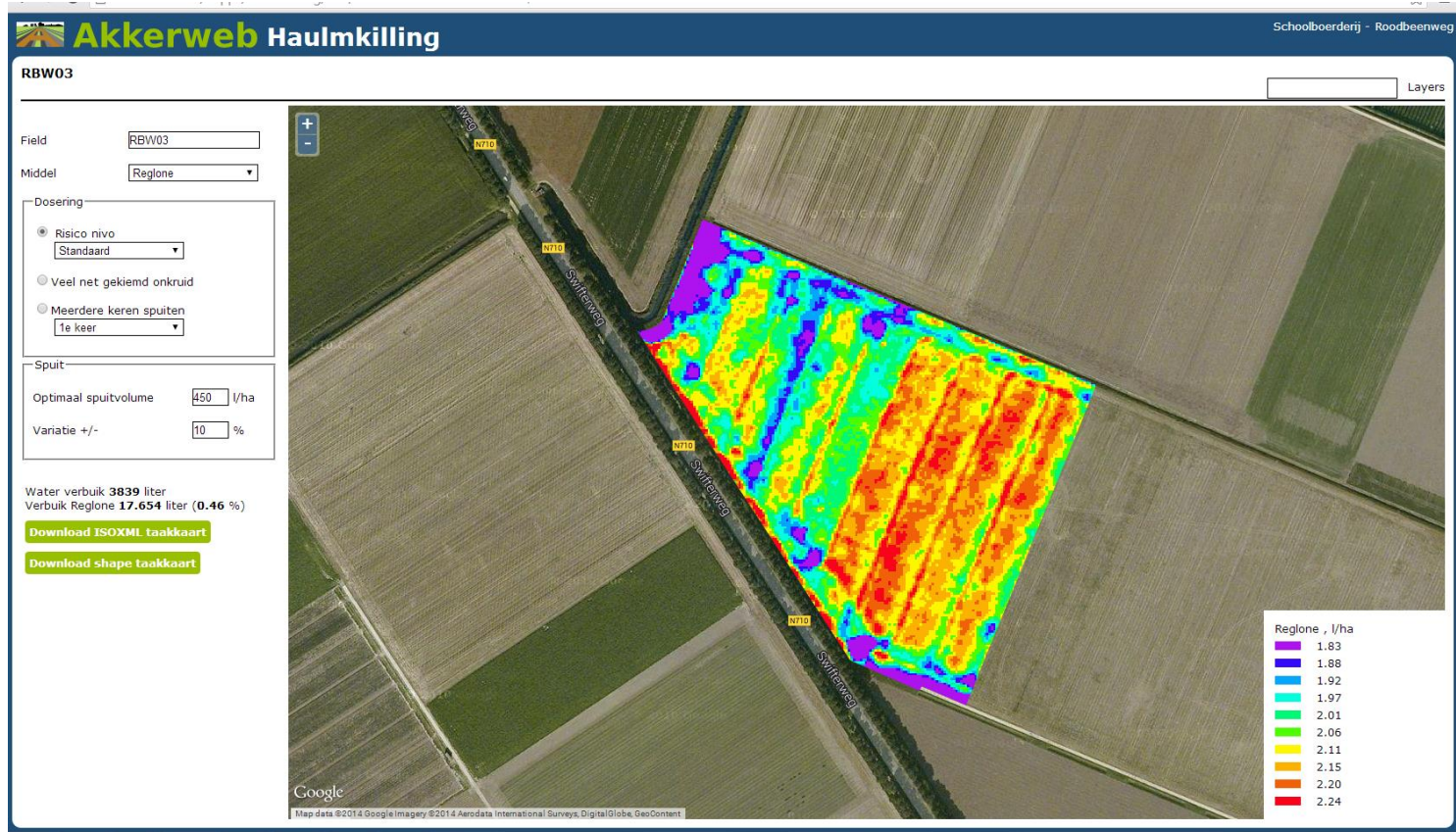
Capabilities

new driving forces



Applications

Appreciation



Capabilities

Appreciation

Applications

Info:
 Corné Kempenaar,
 Wageningen UR

Value chain integration

Societal relevance
and acceptance,

ation

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stock
action

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ducts

ment



Capabilities

Association

Info:
Corné Kempenaar,
Wageningen UR

**THANK YOU
FOR YOUR ATTENTION**

