

Digitalisering van de (kas)teelt

HortiKey

6 maart 2018

Andreas Hofland



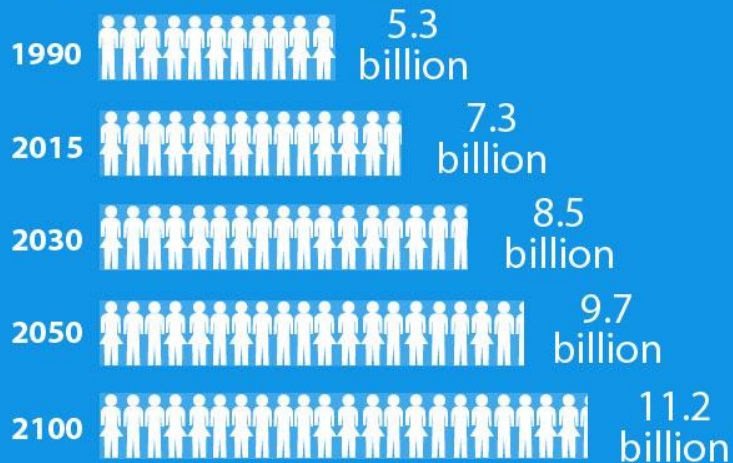


Agriculture uses
70%
of water worldwide.



World Population

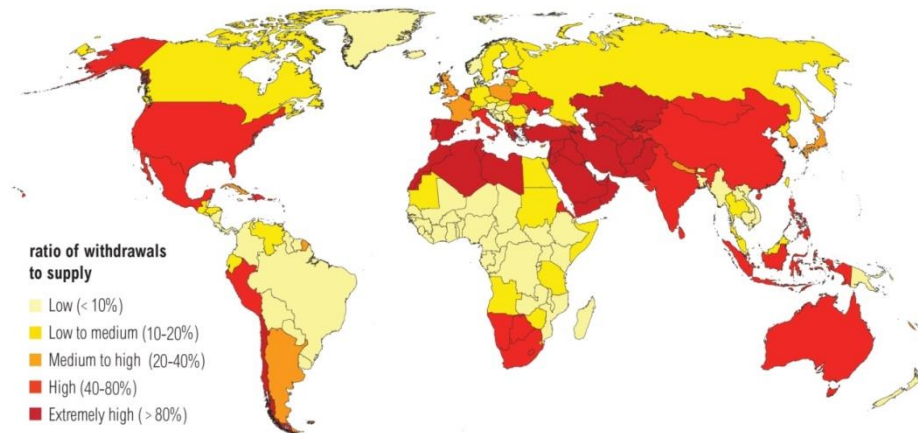
Projected world population until 2100



Source: United Nations Department of Economic and Social Affairs, Population Division, *World Population Prospects: The 2015 Revision*
Produced by: United Nations Department of Public Information



Water Stress by Country: 2040



NOTE: Projections are based on a business-as-usual scenario using SSP2 and RCP8.5.

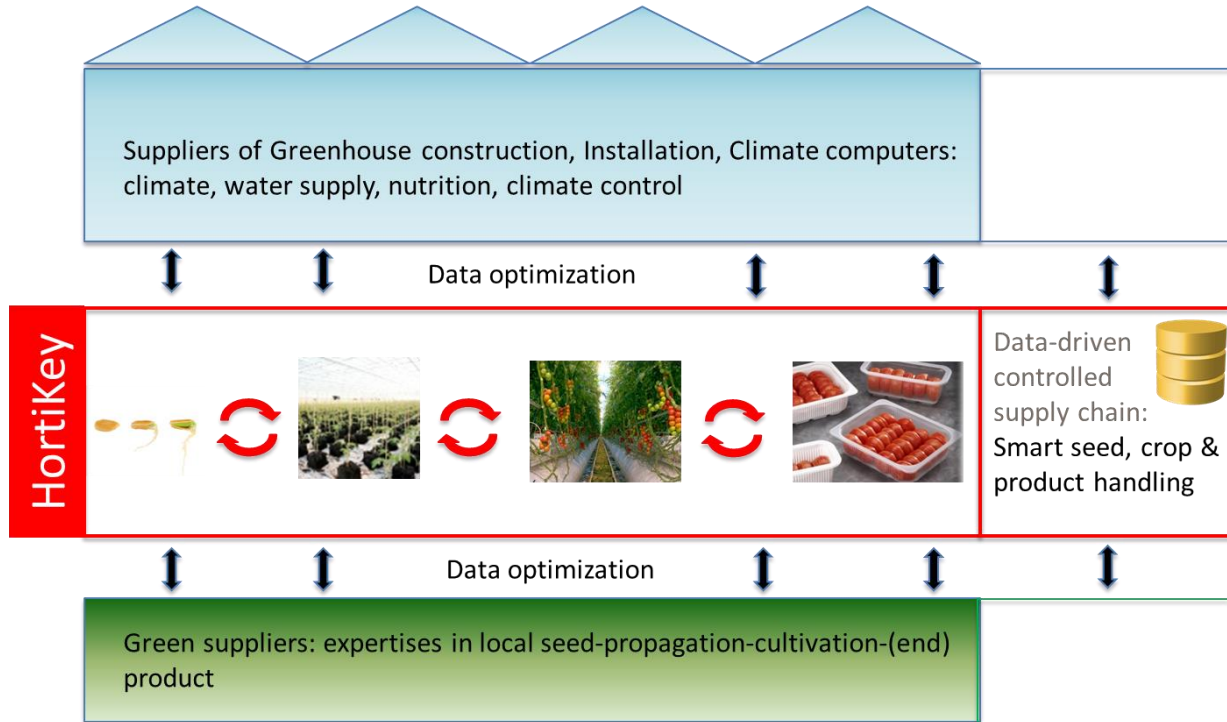
For more: ow.ly/RiWop

 WORLD RESOURCES INSTITUTE





Supply chain





Research

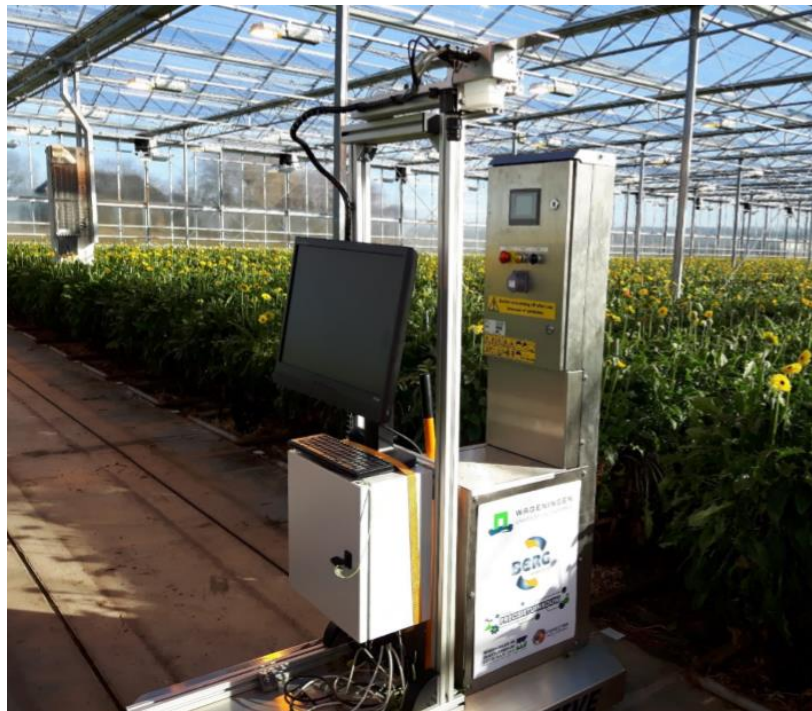


Scientific partner:





Partners in research



TOPSECTOR
TUINBOUW & UITGANGSMATERIALEN



Partners

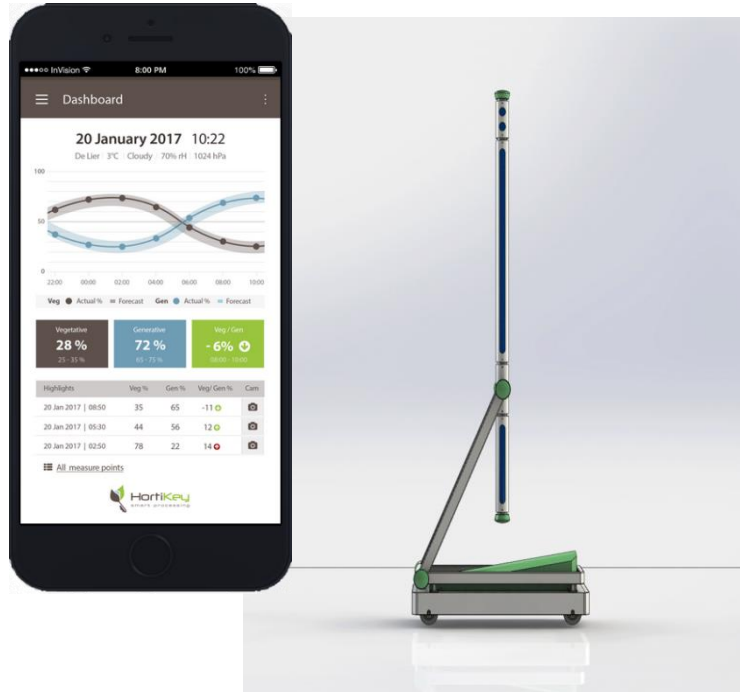


Wetenschappelijke
partner:





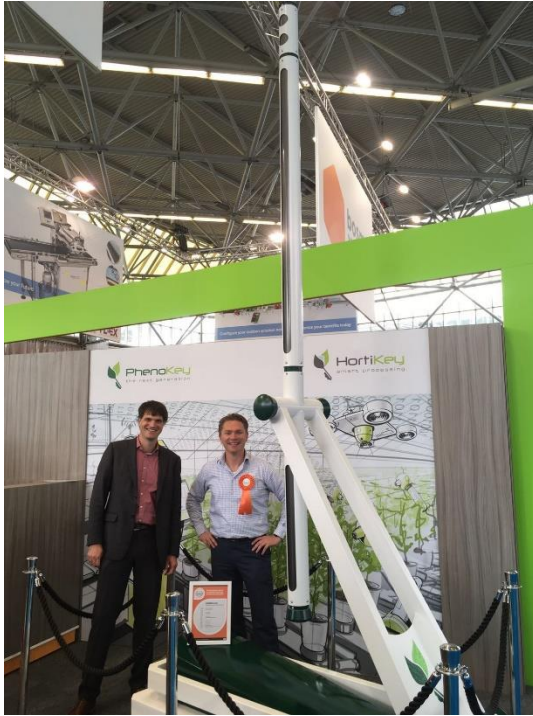
GreenTech '16: CHIMP



Crop
Health
Information
Monitoring
Platform



GreenTech '16: CHIMP





Remote Growing: Experimenteren





Plant groei monitoring





Huidige status





HortiKey Plantalyzer





Digitale herkenning tomaat

Find red tomatoes based on colour only



Kleur detectie

Beelden van Wageningen UR



Digitale herkenning tomaat

Find red tomatoes based on colour and depth



Kleur en diepte
detectie

Beelden van Wageningen UR



Pleksgewijs spuiten

- Toxiciteit
 - Mens
 - Plant
 - Omgeving
 - Middelengebruik
 - Biologie
1. Autonoom rijden in de kas
 2. Ter plaatse aut. mengen
 3. Locatiebepaling
 4. Automatische registratie





HortiCrop platform



HORTICOOP
GROWING TOGETHER



Horticoop

Vermeer

Dilli Crop B.V.

Gardener's Pride Beetgum B.V.

Lots of Flowers

A.C. Hartman B.V.

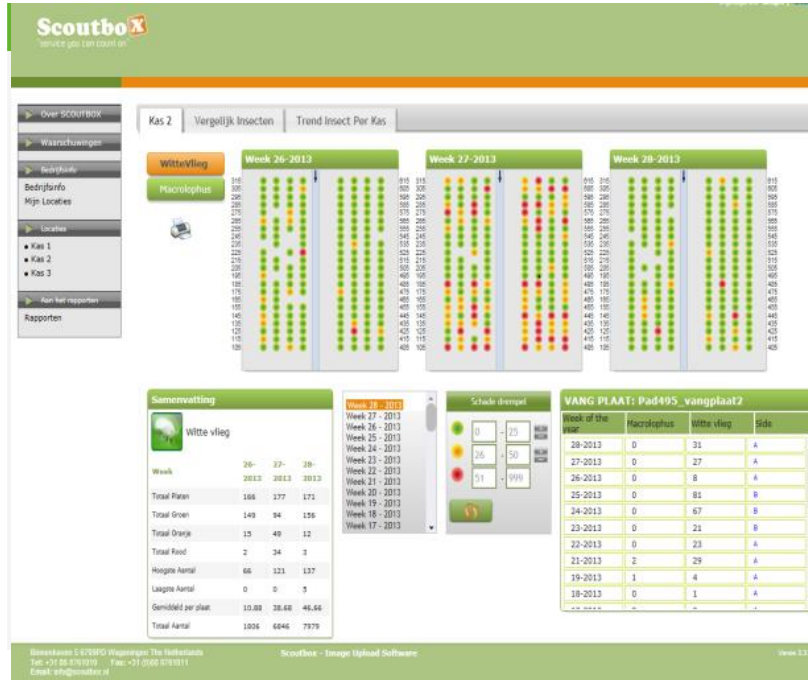
Orchids4all B.V.

Themato Productie B.V.

Themato

Van der Hoorn Orchideeën B.V.

Vermeer Paprika's B.V.





Twee-ledig spuiten (TLS)





Smart Car



Remote insight greenhouse plan



Greenhouse Positioning System®



1-click scouting functions



Direct real-time labor performance feedback



Accu status



Micro-climate T, RH, CO₂



Performance of products and greenhouses



Performance of crops in diseases and sensitivities



Energy performance of crops



Energy performance of greenhouses



Energy performance of greenports



Voor meer informatie:



HortiKey
controlled growing

HortiKey B.V.
Burg. Crezeelaan 42A
2678 KZ De Lier
The Netherlands
www.hortikey.com