







Euroopa Maaelu Arengu Põllumajandusfond: Euroopa investeeringud maapiirkondadesse

### Estonian Chamber of Agriculture and Commerce:

## Project: Care4Growing

Association of Belgian Fruit & Vegetables Coöperatives





### Care4Growing at a glance

- Founded in 2019 (Start Up company)
- Funded by the 3 largest Fruit & Vegetables
   Producer Organisations within Belgium:
  - BelOrta
  - Reo veiling
  - Coöperatie Hoogstraten
- Yearly turnover: 1,119 billion € (2021)
   Yearly supply: 1.268.595 tons (fresh fruits & vegetables)
- Targeting the market of Agri&Horticulture
- Serving over 2000 Growers
- Belgium >> EU











Winner of the European Award for Cooperative Innovation (2020-2021)













### Research to Cooperate on Digitization

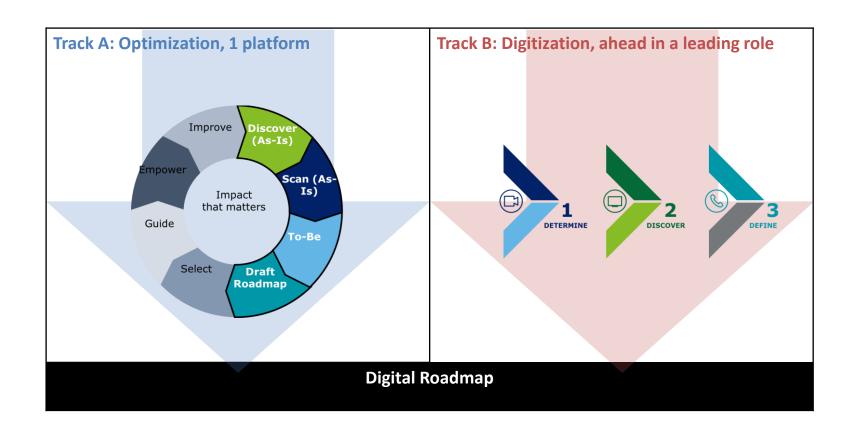
- Common purpose
- Open attitude towards research on existing systems within the producers' organizations
- Having the same vision:
   Digitization as key enabler for the future
- Stronger to act together
- Together, more power to invest
- Being flexible to respond to a rapid changing world. Being ready to tackle the future







### Research to cooperate on Digitization

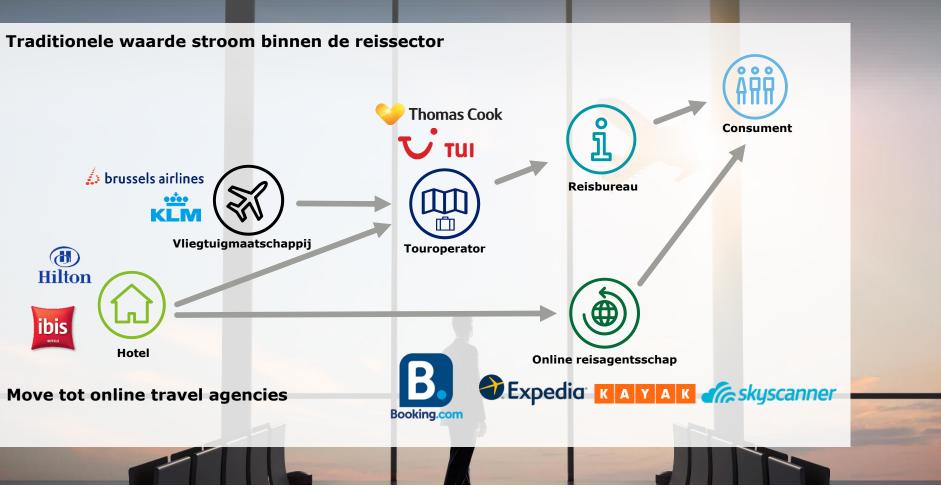




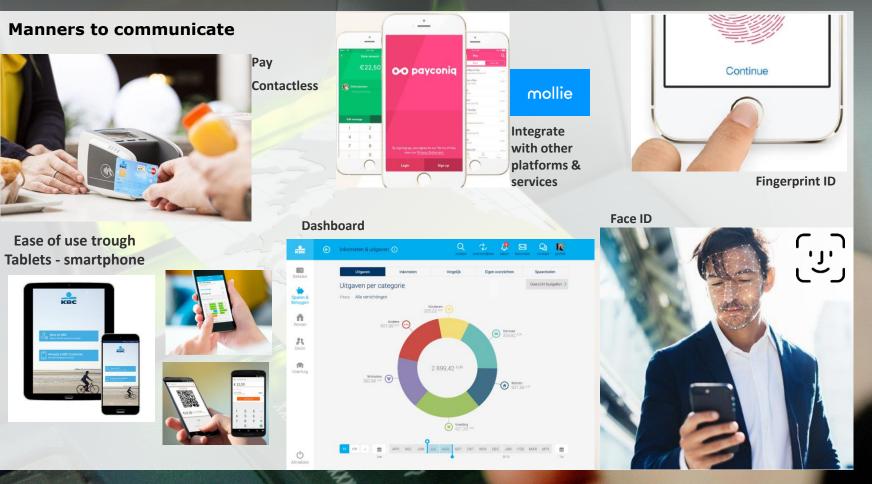




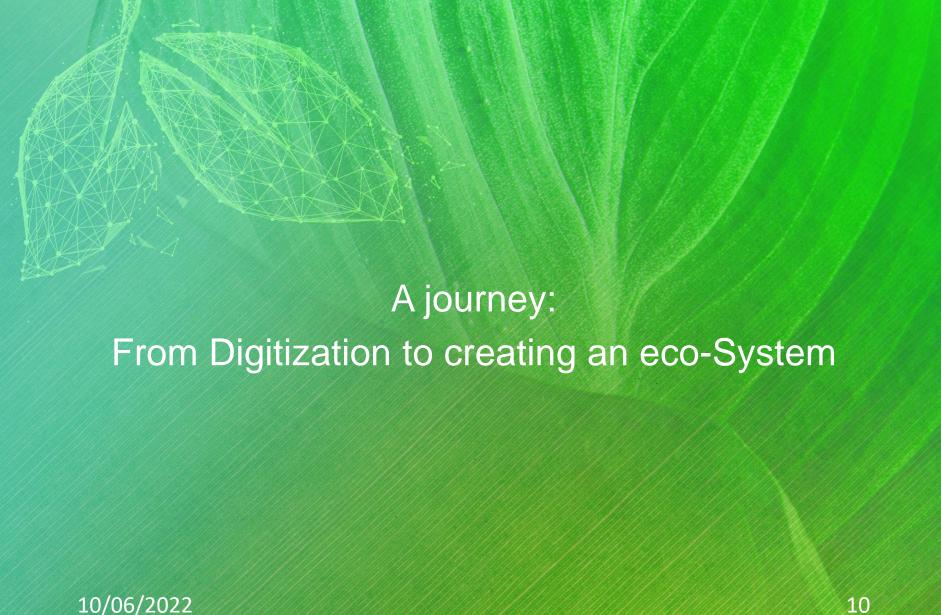
### Impact digitization within the travel industry



### Impact digitization in the banking industry

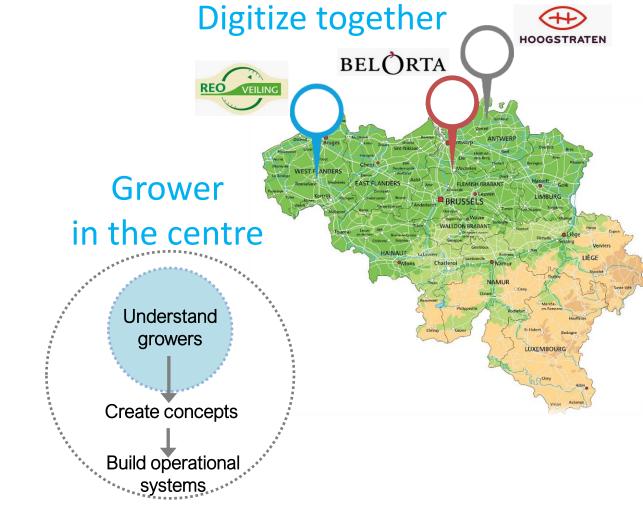






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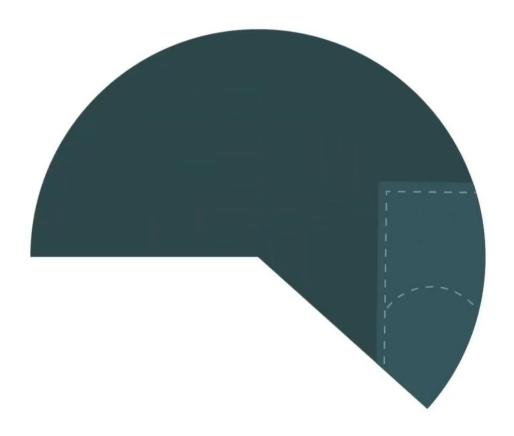




## Agro Industy as a whole

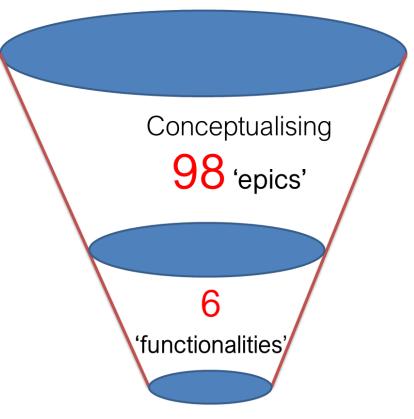




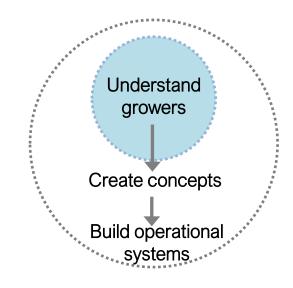




# Agile Approach – Inital Plan – Build on a strong basis



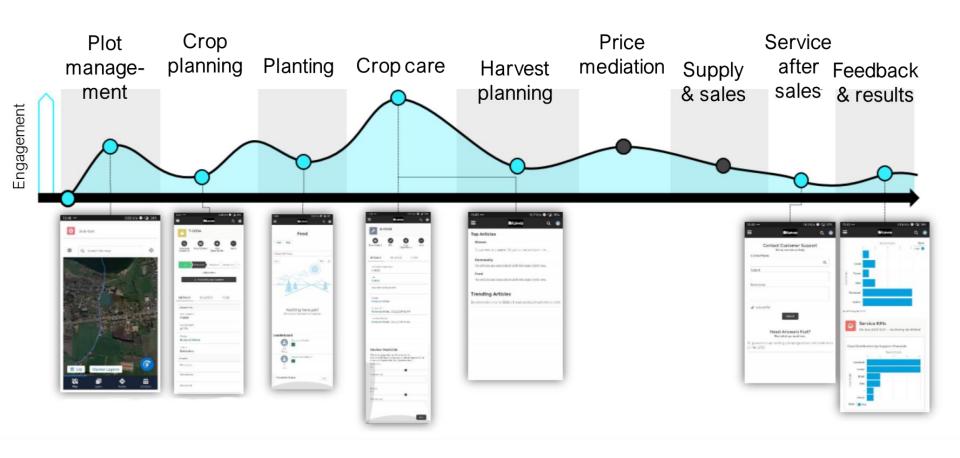
translated into 232 'user stories'







### **Grower Journey**

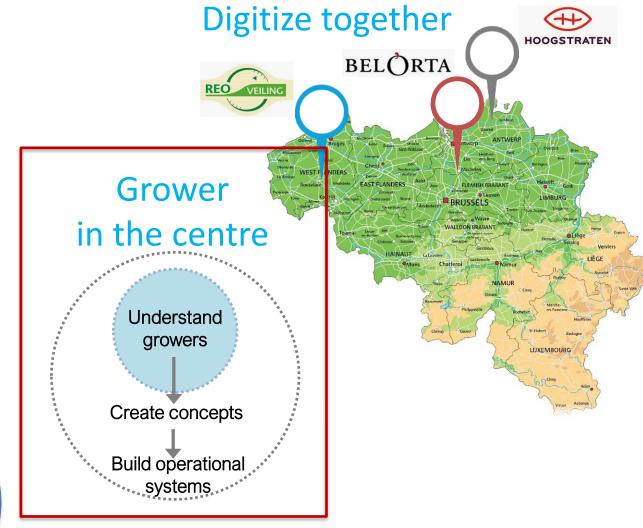








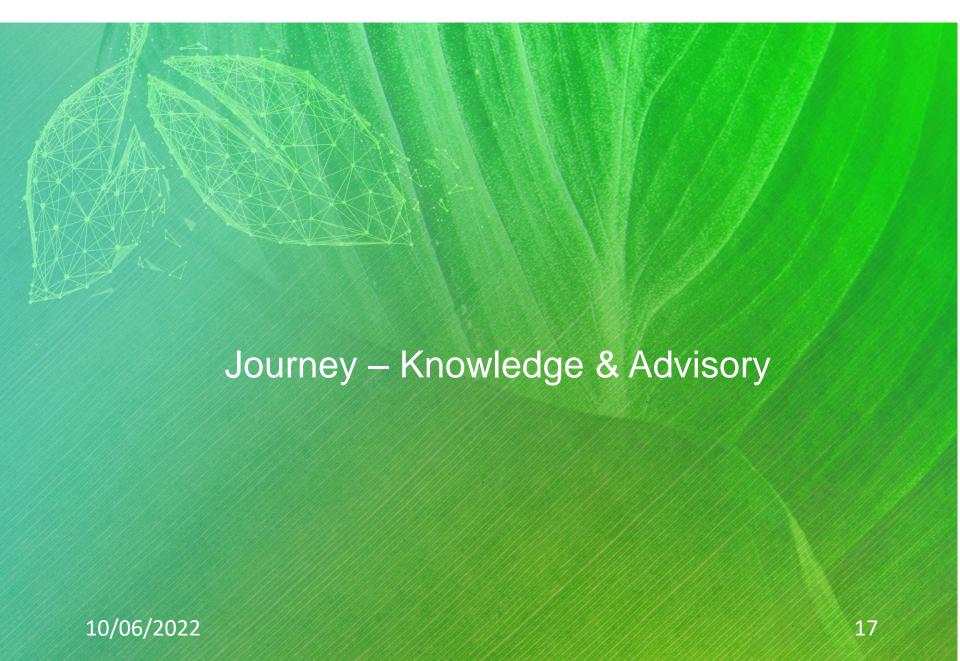




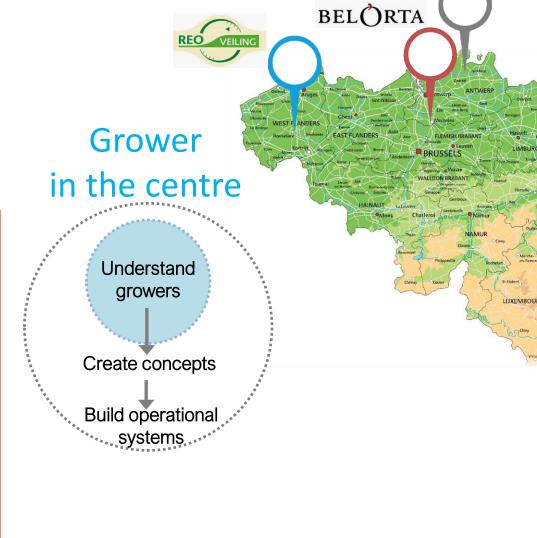
Agro Industy as a whole









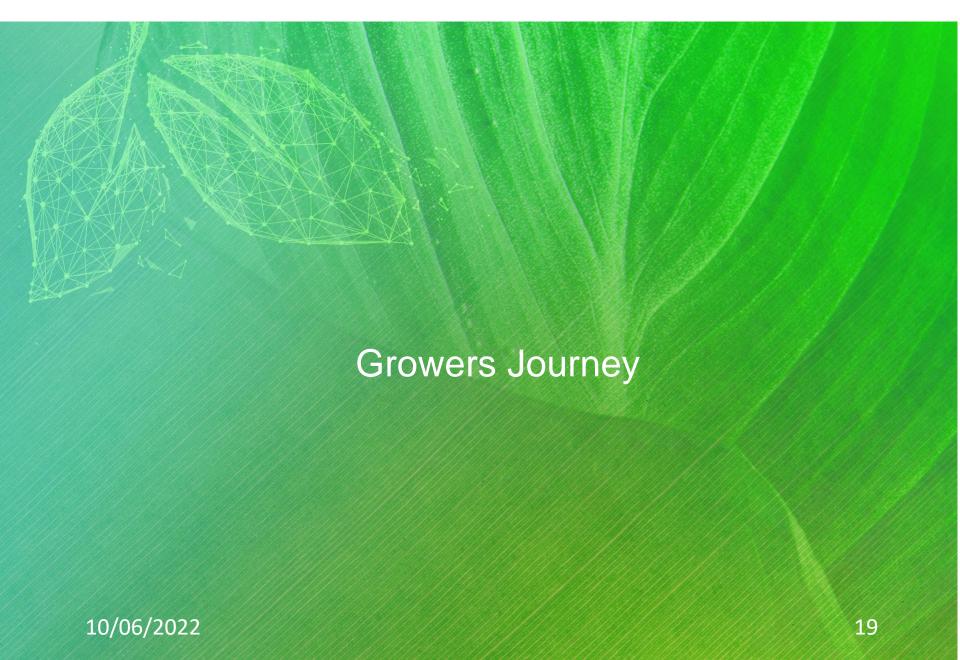


Digitize together



HOOGSTRATEN





### 5 Journeys of the grower to inspire





Sample & Lab Test results Business Process EcoSystem



Audit Documents & Notifications



Communities & information Sharing



Coöperation producer's organisation



### Journey Map – Eco Systems

**User journey : Knowledge & Advisory Eco Systems** 

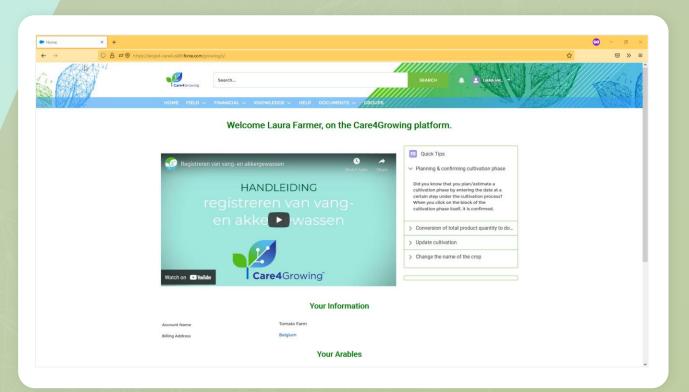


#### Laura creates

#### **Arables & cultivations**

(= High Quality Grower, cultivating Tomatoes in a Greenhouse). She registers her arables and cultivations in Care4Growing.





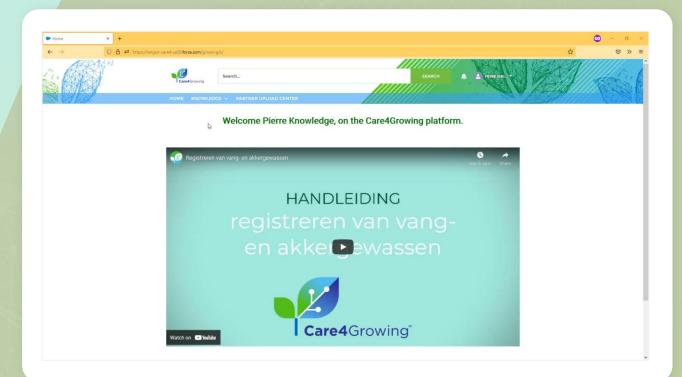
- ✓ Better insight in the total amount of production (Cultivations are planned). Better insights gives better decisions gives better prices
- $\checkmark$  Basic information to align processes and onboard the right actors at the right moment
- ✓ Possibility to manage crops pro-actively

#### Pierre creates

#### **Articles**

(= Dedicated researcher). He is performing research on tomatoes. He adds an interesting article on his own partner portal to enrich the platform.





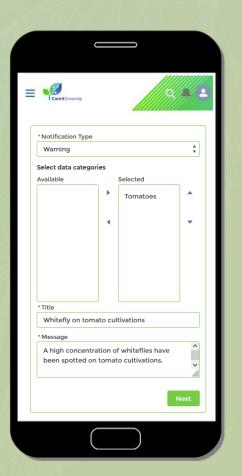
- $\checkmark$  Enrich platform by enabling partners to contribute on knowledge & intelligence
- ✓ Create involvement of partners to support growers together
- $\checkmark\,$  Inform growers on new important topics and best practices on the crops they cultivate

#### Pierre adds

#### Warnings

(= Dedicated researcher). He sends a warning to all tomato growers, beacause there's a risk the grower has to take care of.





#### Laura receives a

#### **Notification**

on her mobile phone. She looks into the details and searches for extra information.



- ✓ Set up initiatives with partners to create a knowledge loop (get data, get smarter, give back information)
- ✓ Use AI possibilities to set-up initiatives with partners
- ✓ R&D phase



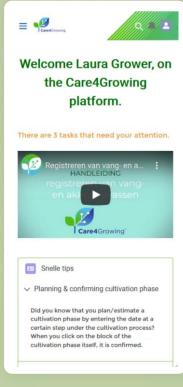
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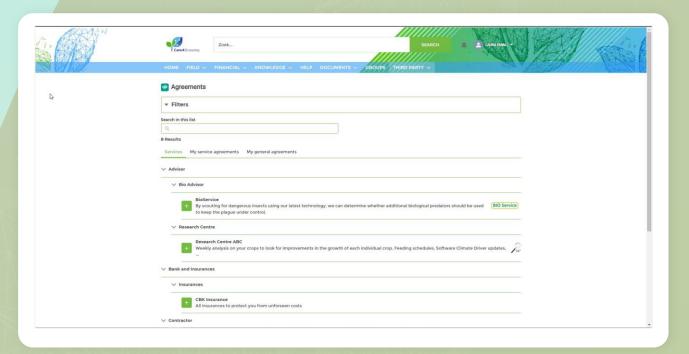
- ✓ Set up initiatives with partners to create a knowledge loop (get data, get smarter, give back information)
- ✓ Use AI possibilities to set-up initiatives with partners
- ✓ R&D phase



Laura wants some extra advice on the problem and consults an advisor.

She signs the Terms and Conditions contract on this third party.



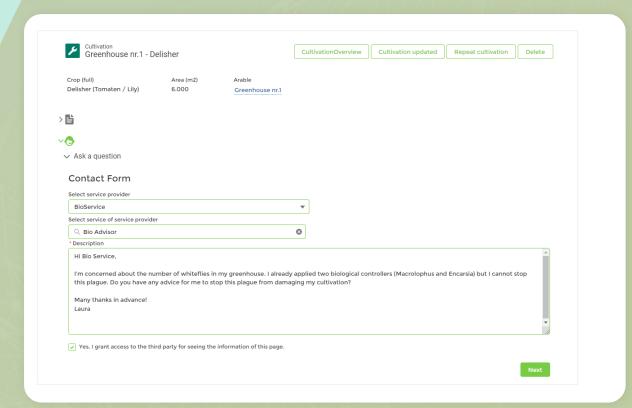


- ✓ Plug in services of third parties
- ✓ Create Care4Growing App-Store & consent management system
- ✓ Respect on data privacy & data onwnership
- $\checkmark \ \, \text{Create general set-up to on-board multiple partners} \\$

**Laura** asks for extra information of the advisor. She receives an answer of the advisor.



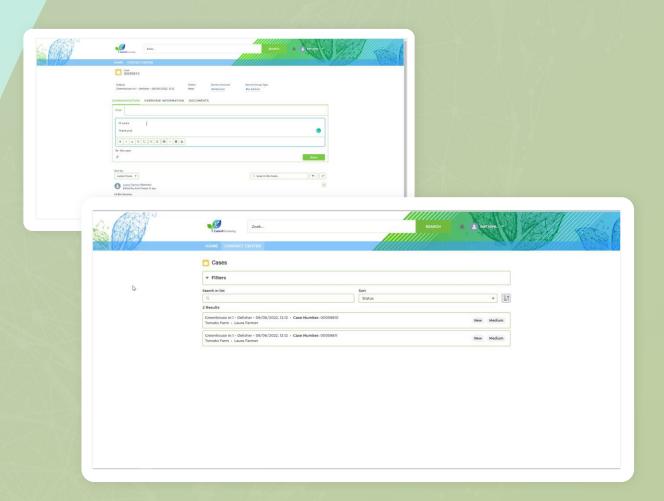
- ✓ Enable communication with third parties
- ✓ Keep track of history and insights provided



**Bart** (= Specialised Advisor) answers the questions of Laura.

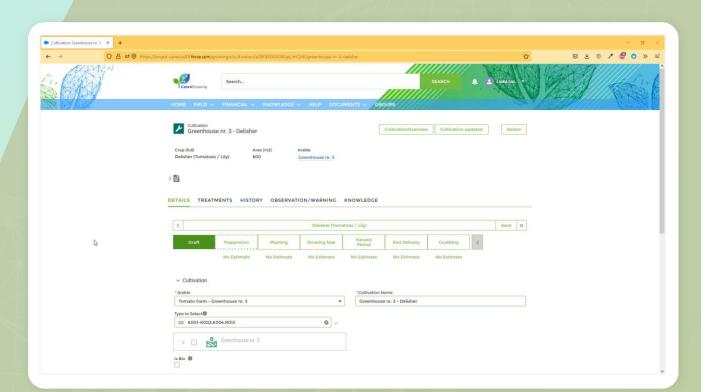


- ✓ Provide a multi-Grower approach for third parties
- ✓ Easy to handle overview & portal with respect for security and data protection



**Laura** registers the treatment in the system.





- $\checkmark$  Being guided during registration with respect for legislation
- ✓ Being able to adapt to a world with a growing complexity
- $\checkmark \ \, \text{Ability to easily works together witch collegues on treatment} \\$

### 6 Journeys of the grower to inspire



Knowledge & Advisory Eco System

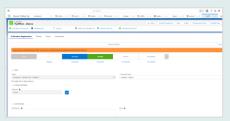




Audit Documents & Notification



Communities & information Sharing



Coöperation producer's organisation

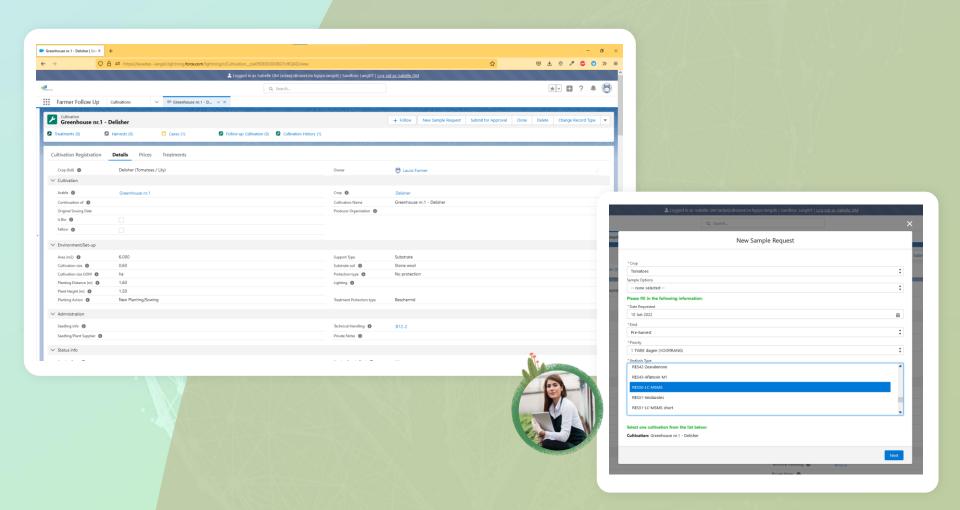


**Insight into Prices** 

### Journey Map - Business Proces Service provider

**User journey: Sample Request & Residu analysis** 

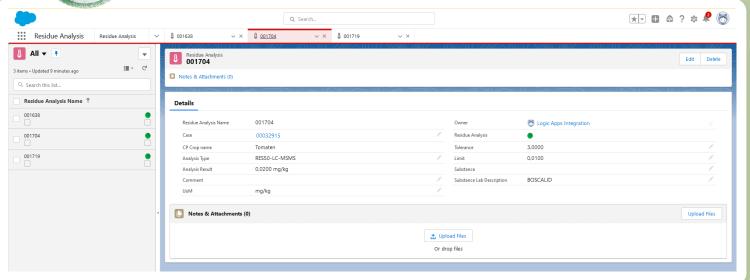






#### Paul looks into the request & takes a sample





### 5 Journeys of the grower to inspire



Knowledge & Advisory Eco System



Sample & Lab Test results Business Process Eco Syst.





Communities & information Sharing

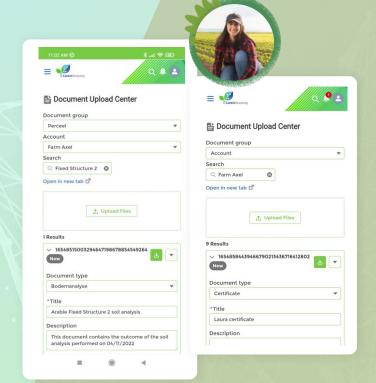


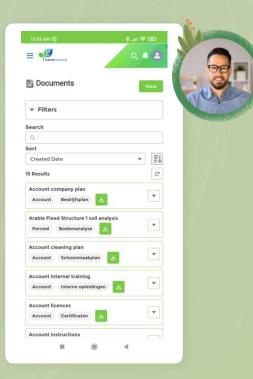
Coöperation producer's organisation

### **Journey Map - Documents**

**User journey : Audit & Notifications** 







### 5 Journeys of the grower to inspire



Knowledge & Advisory Eco System



Sample & Lab Test results Business Process Eco Syst.



Audit Documents & Notification





Coöperation producer's organisation

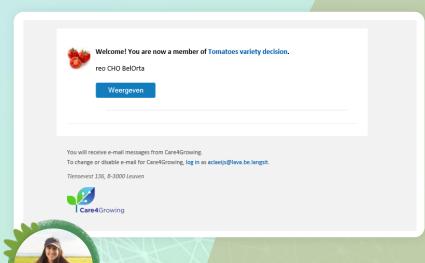
### **Journey Map - Communities**

**User journey: Communication & Information sharing** 



AXELLE
Admin
Producers Organisation LTI

Creates a Community Group to determine on the varieties of next year





### 5 Journeys of the grower to inspire



Knowledge & Advisory Eco System



Sample & Lab Test results Business Process Eco Syst.



Audit Documents & Notification

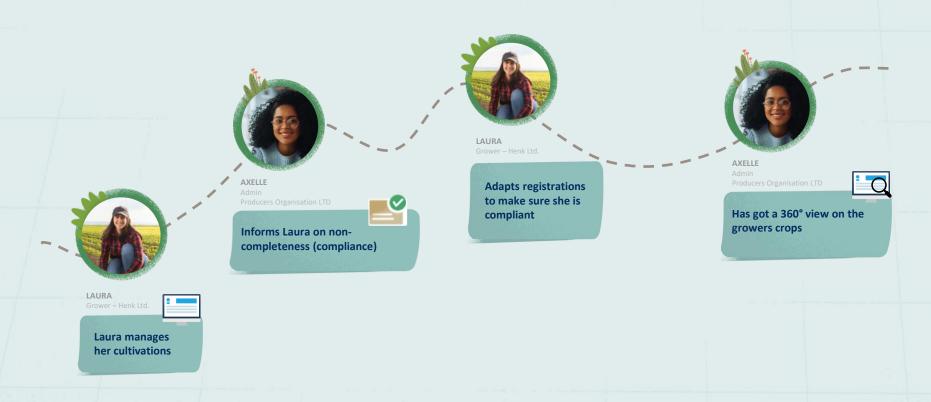


Communities & information Sharing

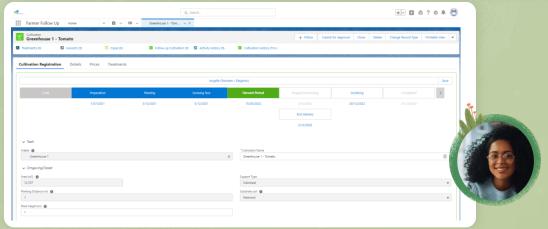


### Journey Map - Cooperation Producers Organisation

User journey: 360° view on cultivations and crops



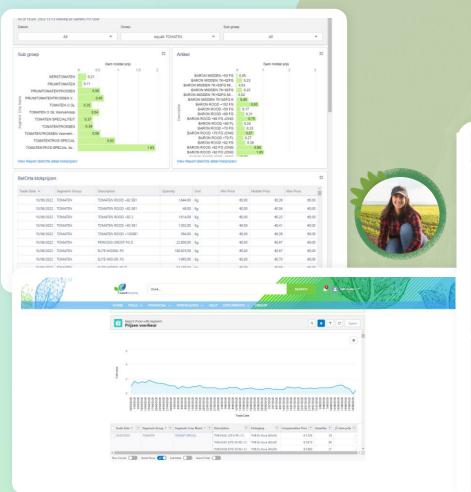


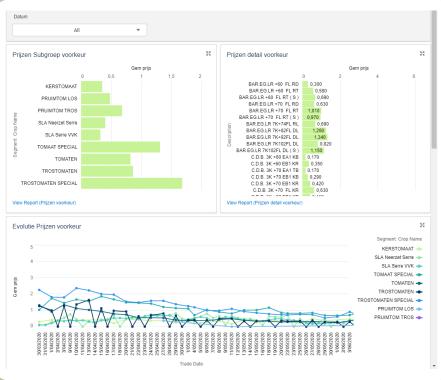


### Journey Map - Cooperation Producers Organisation

**User journey: insights on pricing** 







### **Future of Care4Growing**

Now this is not the end.

It is not even the beginning of the end.

But it is, perhaps, the end of the beginning.

Winston Churchill

## Thank you

