

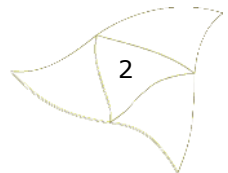
A stylized illustration of a root system in yellow-green, branching out from a dark curved area at the top left towards the bottom right.

# OPERATIONAL GROUP CONTROLLED TRAFFIC FARMING

Greet Ghekiere, Lieven Delanote

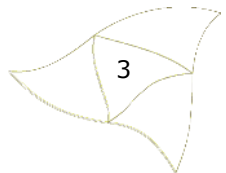
# Inagro

- 60 years tradition in agricultural research and education
- 190 members of staff
- 410 trial designs and 55,000 laboratory analyses per annum
- 139 information and demonstration events per annum
- > 5000 members receive our weekly newsletter

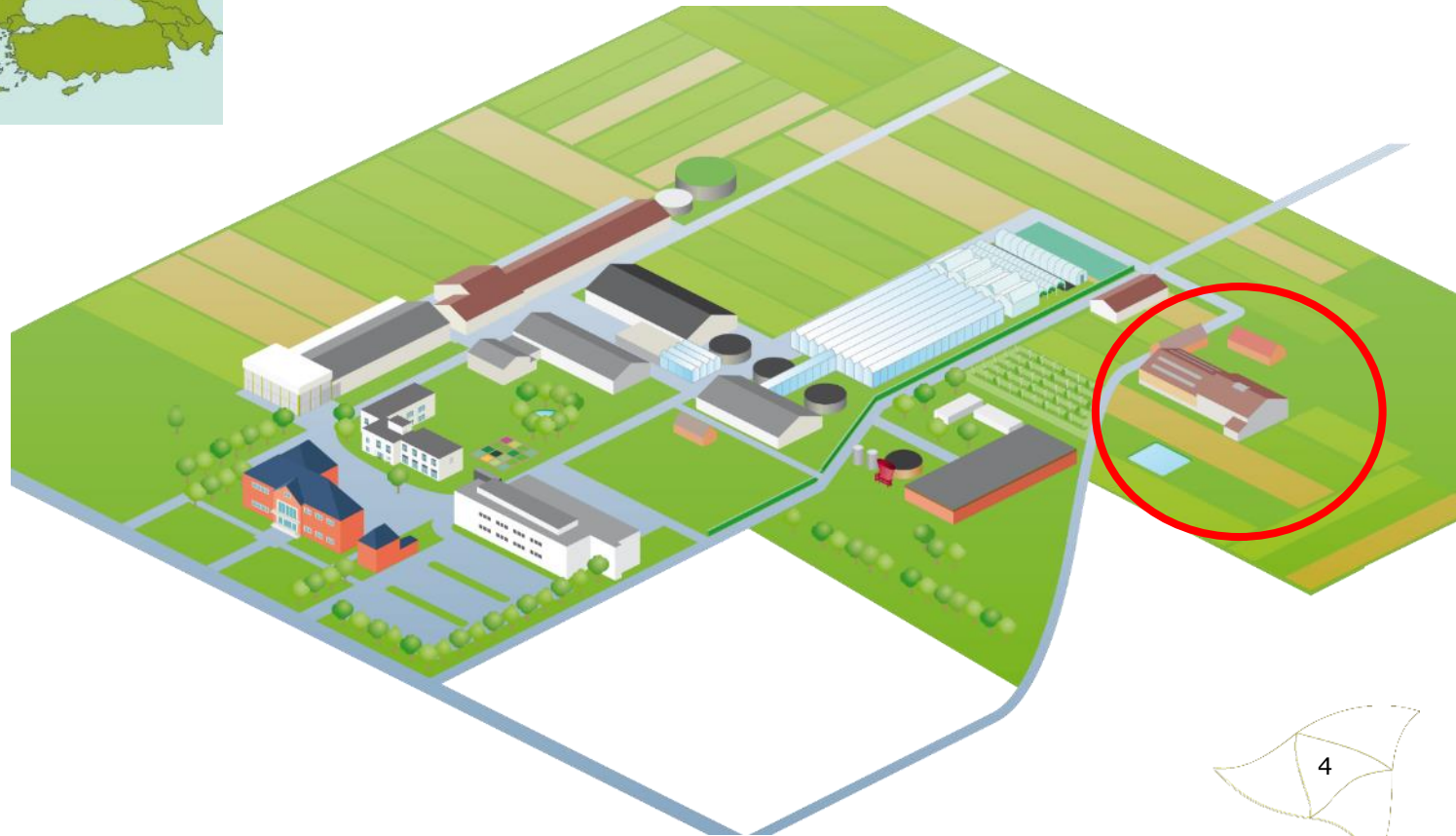


# Inagro

- arable farming, open air horticulture, greenhouse horticulture, edible mushrooms, aquaculture, cattle farming and intensive livestock farming, **organic farming**, agricultural diversification and education
- with focus on cultivation techniques and crop protection; soil, water and energy; **innovation** and diversification; the social and natural environment



Roeselare  
Northwest of Belgium  
Nearby Flemish coast & French  
border





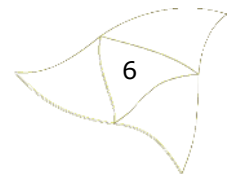
# Organic experimental farm



14 ha  
Sandy loam  
Arable crops &  
outdoor vegetables

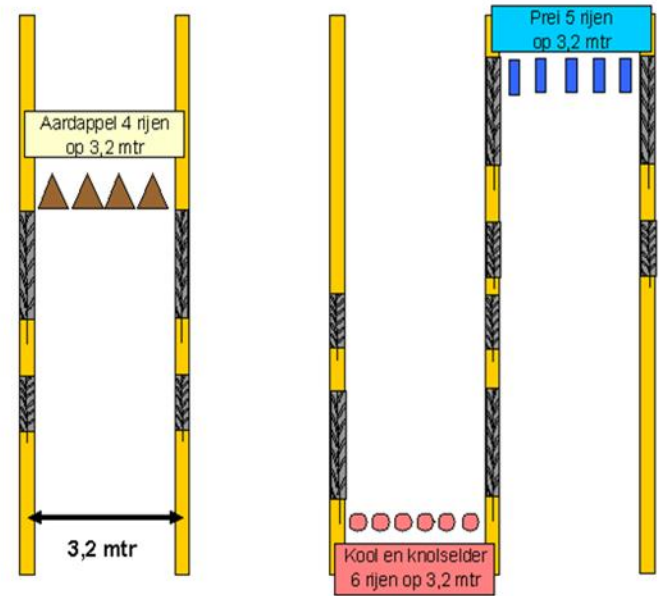
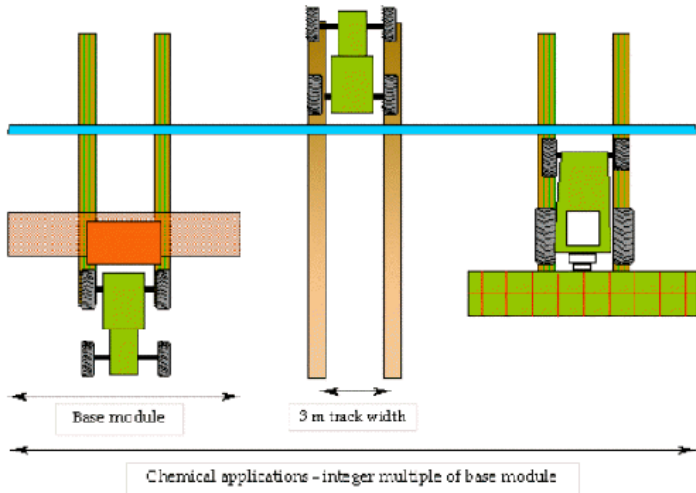


# CTF - What is it about?





# CTF - One principle, Multiple variants



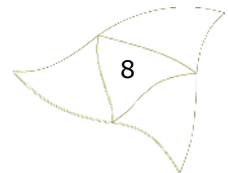
# CTF - Proven benefits abroad

## Experiences from the Netherlands (since 2000)

- > 10 % yield
- > days for mechanical weed control
- ...

## Because of:

- Soil structure
  - Soil life
  - Water buffering capacity
- Mechanical weed control





# CTF - Feasibility on medium sized farms in Flanders ?



# What preceeded the OG

- 2009: Visit to the Netherlands on RTK GPS
- 2010: introduction of RTK GPS at the organic farm of Inagro
- 2012-2016: several organic farmers start with RTK GPS





° 2015: 2 day study-visit with farmers to the Netherlands on CTF





- 2016: investment in CTF-equipment at Inagro & start up of field tests





# Different farmers are very interested in CTF but have specific questions

- Thierry Beaucarne:  
organic,  
agriculture – horticulture, 30 ha  
scattered parcels,  
standard 3 m,...

⇒ CTF 3,2 m variabel ?



- Frank Schelfhout:  
organic,  
horticulture, 12 ha,  
RTK-GPS, standard 3\*60 cm,...

⇒ CTF 2 m ?



- Jakob Devreese:  
Organic  
dairy production, 100 ha,  
intensive grassland management,  
new tractor with RTK-GPS,  
⇒ CTF 9 m standard track?



- Jakob Vandenborne:  
Conventional  
Potato production, 420 ha,  
Passionated by precision farming  
⇒ Added value of CTF?



=> the OG was almost born ...

# First call on OG: April 2016

Governed by the Flemish Dep. of Agriculture & Fisheries

- scope

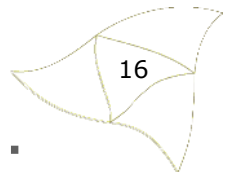
**Specific problem/opportunity**

**Farmers involvement**

**Innovation**

**Cooperation**

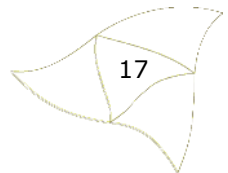
- 2 years period
- 30 000 € subsidy + 10% co-financing ...



# AIM of the OG

“Make CTF more accessible and common in Flemish (organic) agriculture”

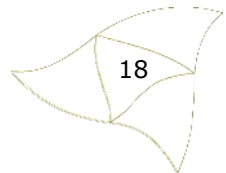
Sept 1st 2016 – febr 2018





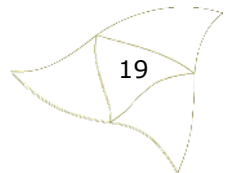
# Members of the OG

- Organic Farmers: Thierry, Frank, Jakob
- Conventional Farmer & expert in precision farming: Jacob Vandenborne
- Knowledge partners: Inagro & ILVO
- Constructor/Distributor
  - Lemahieu Agri
  - Hilaire Vanderhaeghe



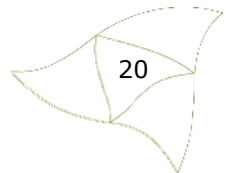
# Plan of Action – 1,5 years

1. Inventarisation of available technology, knowledge and experiences on CTF
2. SWOT-analysis and a CTF-implementation plan for the 4 pilot cases
3. Identification of bottlenecks & Roadmap for research
4. Dissemination of knowledge



# Tools & Methods

- Inventarisation of knowledge
- International inspiration visit
- 4 Pilot cases
- Round tables with stakeholders
- Demonstration



# The budget...



Europees Landbouwfonds  
voor Plattelandsontwikkeling:  
Europa investeert  
in zijn platteland

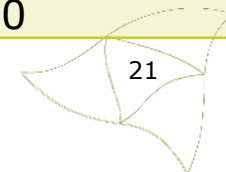


Vlaanderen  
verbeelding werkt

## Uitgave

	Inagro	ILVO	Van Den Borne	Aardapp elen Thierry Beucar ne	Frank Scheifho ut	Antoon Devreese	Agri Lemahie u	Hilaire Van Der Haeghe	Totaal per post (in euro)
<b>1. STAFF</b>									
1.1 WP 1	2250	2750							
1.2 WP 2	7250	2750							
1.3 WP 3	2250	2750							
1.4 WP 4	1250	2750							
<b>Total 1</b>	13000	11000	0	0	0	0	0	0	240000
<b>2. Operational costs</b>									
2.1 study tour	300	300	300	300	300	300	300	300	
2.2 travel costs	500	250	250	250	250	250	250	250	
2.3 meetings			200	200	200	200	200	200	
2.4 round tables			250	250	250	250	250	250	
2.5 Demonstration	400		250	250	250	250	250	250	
<b>Total 2</b>	1200	550	1250	1250	1250	1250	1250	1250	75000

Sum: 33.250 € - 90 % funded





# Exposure & contacts at EU-level



A screenshot of the TPorganics website. The logo 'TPorganics' is at the top left, with 'European Technology Platform' underneath. Navigation links include 'About us', 'Members', 'Supporters', 'Organic Innovation Days', and 'Innovation'. The main article is titled 'Controlled Traffic Farming (CTF)' by Kata Gocs, dated Sep 22, 2016, with 0 comments. Below the article title are three circular icons: 'Description' (document icon), 'Contact Person' (person icon), and 'Partners' (group of people icon). At the bottom, there are three icons with text: 'Location of project activities' (location pin), 'Project duration 16 months' (clock), and 'Total budget of project (EURO)' (euro symbol).



**EIP-AGRI WORKSHOP ORGANIC IS OPERATIONAL**  
**14-15 JUNE 2017 - HAMBURG, GERMANY**

The EIP-AGRI logo (a green starburst) and the tagline 'AGRICULTURE & INNOVATION'. Below it is the European Commission logo with the text 'funded by'.

**Organic is Operational: linking EIP-AGRI  
Operational Groups in organic farming**

Wednesday 14 June – Thursday 15 June 2017  
Hamburg, Germany

# Recommendations & Remarks

- Interactive & practical set up
  - Farmers
  - EU
- Knowledge partner needed
  - Knowledge transfer
  - Animator of the group
  - Administrative follow up
  - Link EU
- Co-ordinated at regional level: differences in budget, timelines, scopes, ...
- Great opportunity for interaction at EU level

# Thank you for your attention

## More information?

- Inagro

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- Inagro – organic crop production

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0032 51273250

