

### Focus on recent developments

- 1. Organisation Dutch Education system
  - Focus Applied University
  - Study program competence based learning
- 2. Golden Triangle (in Dutch: "OVO Drieluik")
- 3. How to organize 'knowledge transfer in the future?
  - o 'Where to start'?





## 1. Organisation Dutch Education System

**Different levels -> introduction BaMa-structure** 

Study program for Applied Bachelor

- Competence Based Learning
- Competence = Knowledge x Skills x Attitude



Job Task = learning in practice!

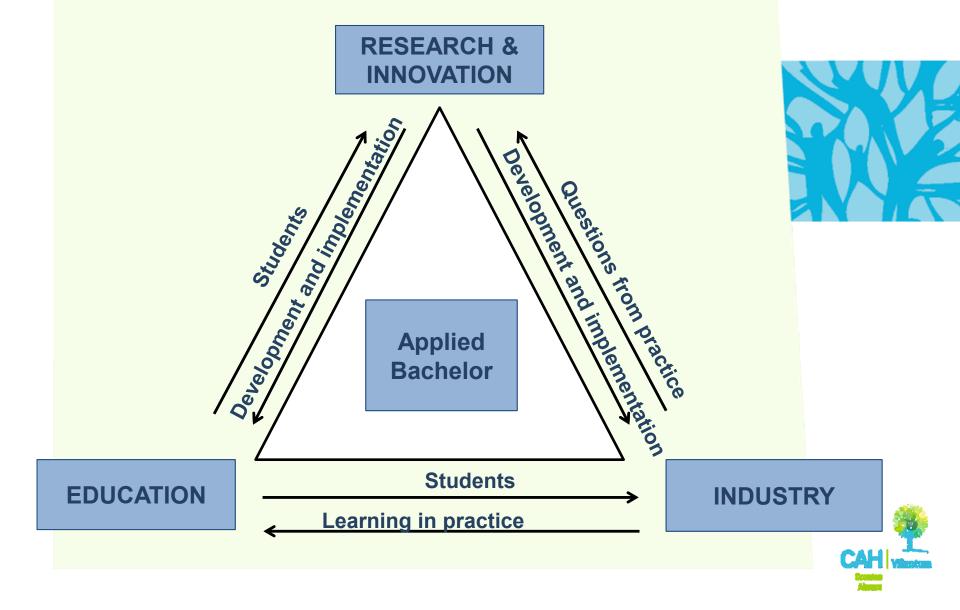
- Farm Analysis for Dairy Farmer
- Applied Research for Feed Company
- Farm successor report for student and family

Different classes, training etc about this task and context



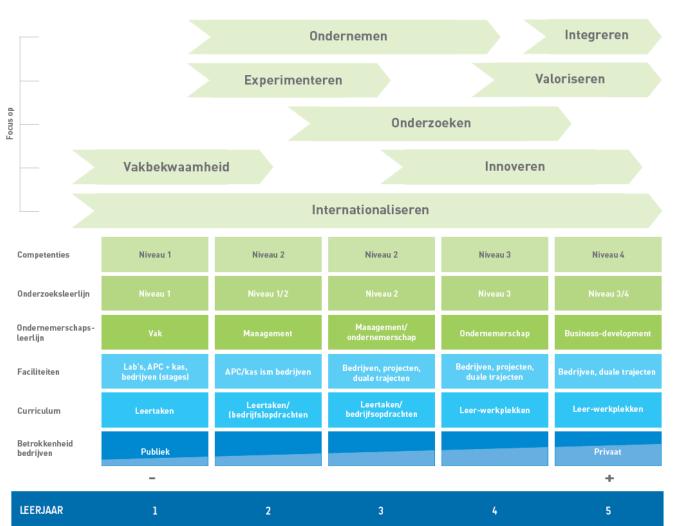


## 2. Knowledge circulation in 'Golden Triangle'



## Step by step "learning in practice" program

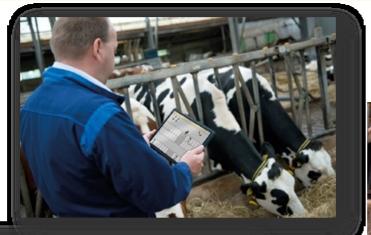
## PRAKTIJKLEREN AAN CAH VILENTUM van praktijk naar beroep







# More applied research on Applied Universities (HBO) – Centre of Expertise













## 3. How to organise 'knowledge transfer in the future'?

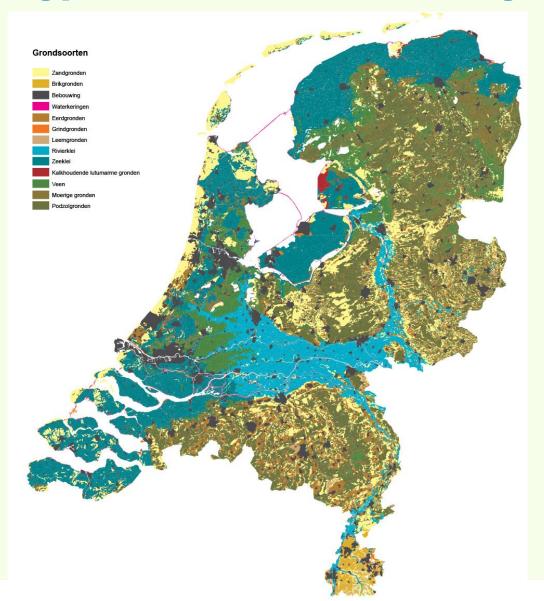
#### **GOAL: Future Focused Dairy Education**

- 1. Start in the future -> + 8 years from now
- 2. Soil based knowledge
- 3. Learning from diversity





## Soil type is the basis for a dairy farm

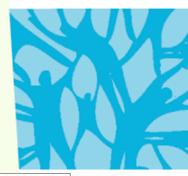


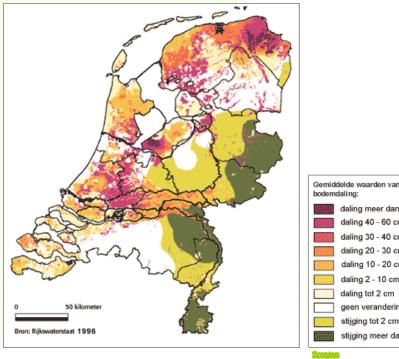




## Classification determines type of soil -> huge diversity of effects on farm level

- Clay, silt, sand and organic matter
  - Basis for possibilities with this soil
    - Type of crops (and competition in market)
    - Grazing
  - Basis for 'challenges'
    - Leaching, rewetting, drought
    - Subsidence ->
    - ... regulation
  - Basis Nutrient management cycle
- **Basis for Farm Management** 
  - Unique solutions
  - Regional knowledge valuable







daling meer dan 60 d

daling 20 - 30 cm daling 10 - 20 cm

daling 2 - 10 cm

## **Learning from diversity in Education Farm!**

Three farm types – different regions and soil types

University farm needs diversity (!) – 4 x focus:

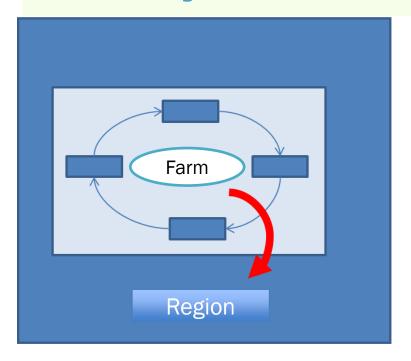
- Feeding
- Automatization
- Grazing
- Organic Dynamic
- Students are the farmers



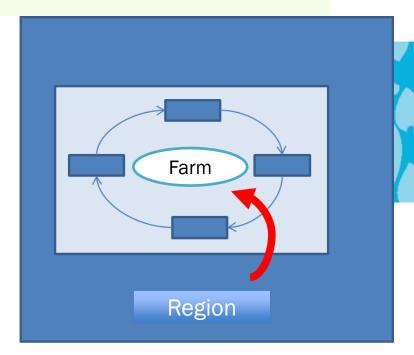




## Synthesis: Defenition of new starting point is necessary!



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В



### **Conclusions**

Move from efficient to effective knowledge transfer

Defenition of new starting point for applied education and research is necessary – less efficient, more effective for practice





## Thank you!



