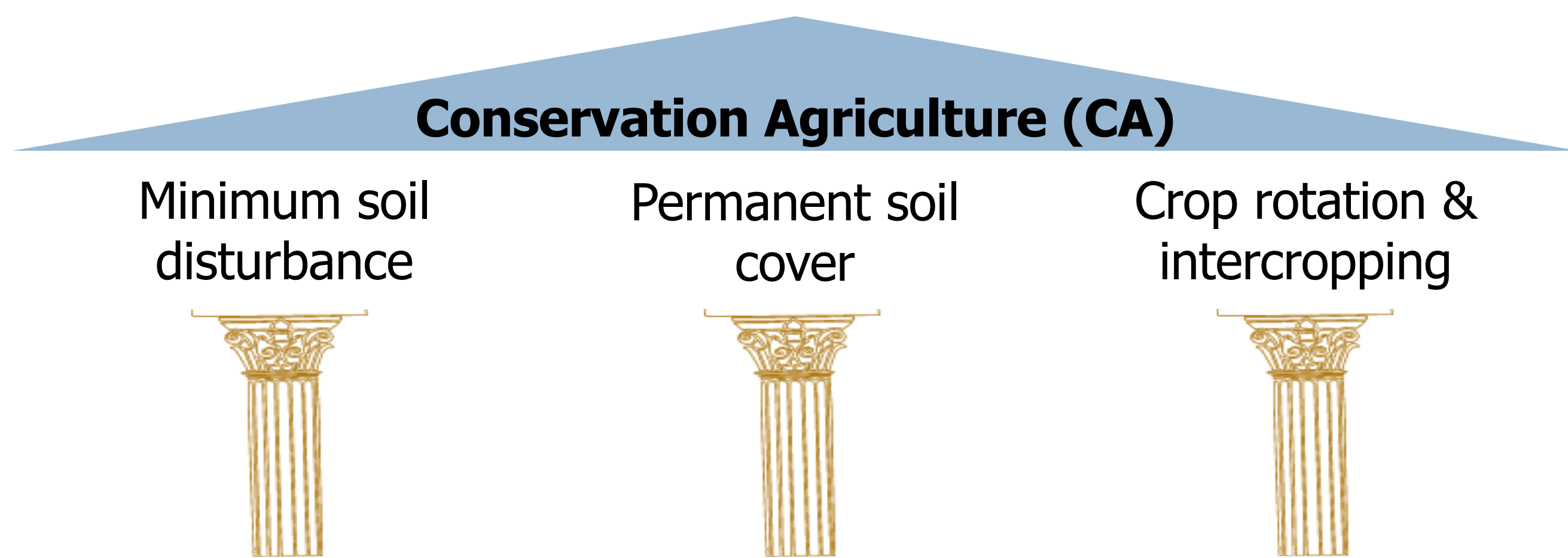


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Conservation Agriculture and glyphosate Strategies, lock-ins and diversity in the Walloon Region

1. INTRODUCTION

An alternative agrarian system based on 3 pillars



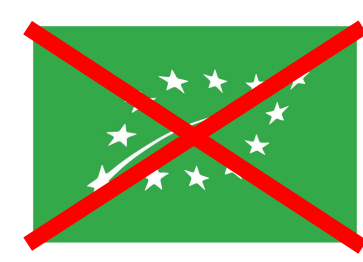
3. METHODS

Conducting semi-directed interviews

Interviews : 22 farmers



14 not certified organic



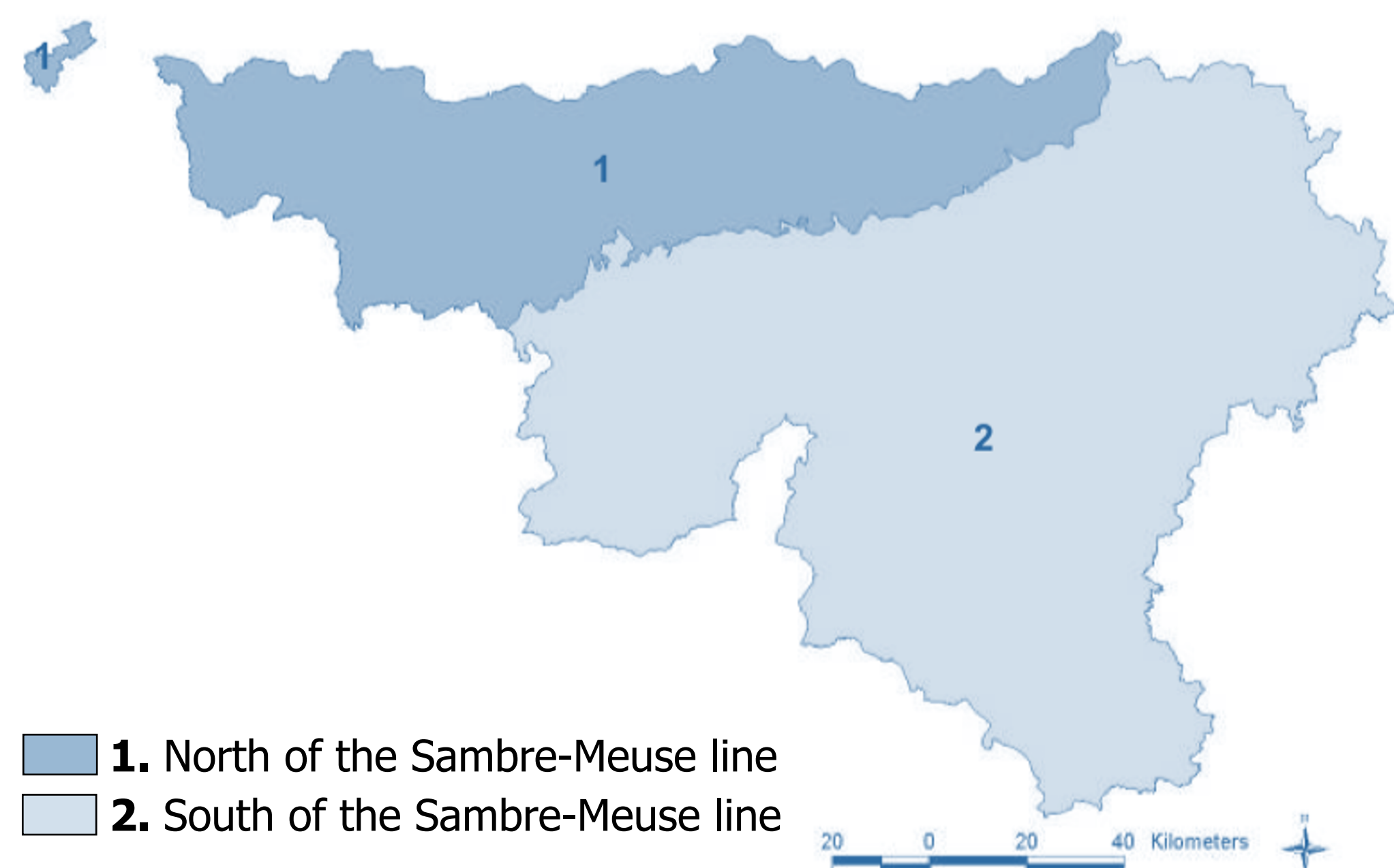
8 certified organic



Informations taken :

- Farm's characteristics ;
- Relationship to each pillar of Conservation Agriculture ;
- Management of the destruction of cover crops, volunteers and weeds.

Study area : Wallonia, North of the Sambre-Meuse line (1.)



1. North of the Sambre-Meuse line
2. South of the Sambre-Meuse line

Source : <http://environnement.wallonie.be>

2. QUESTIONS

Is it possible to practice CA without glyphosate ?

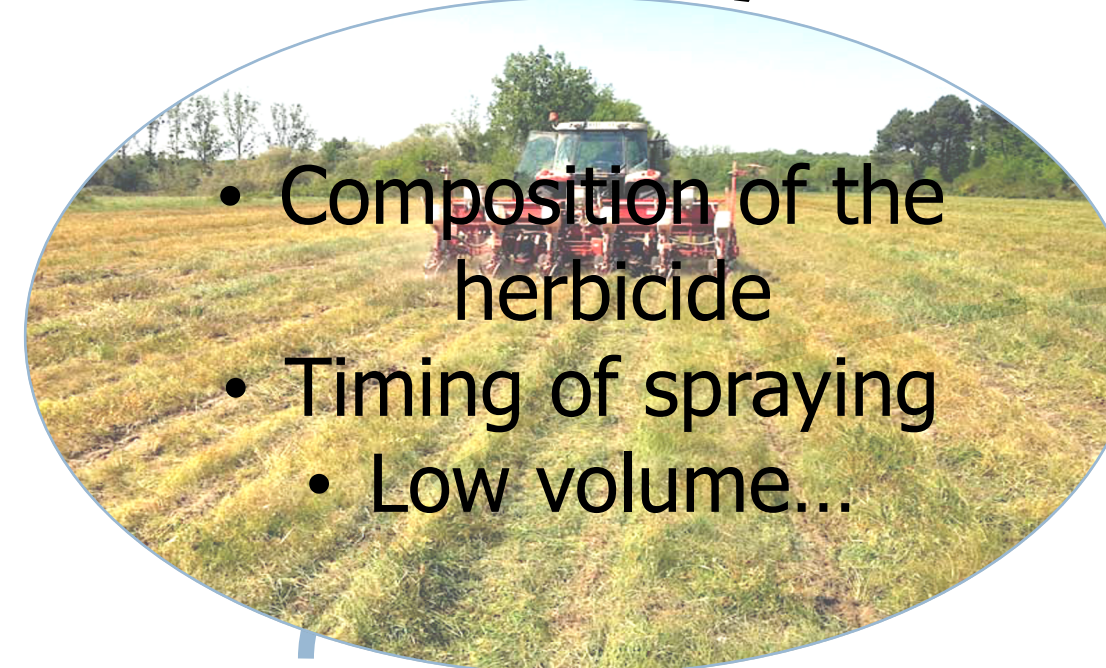
Do farmers have **strategies** to achieve a CA without glyphosate ?

Are there any **lock-ins** that impede the transition to glyphosate-free CA ?

What is the **diversity** of CA-glyphosate relationships?

4. RESULTS

Efficiency



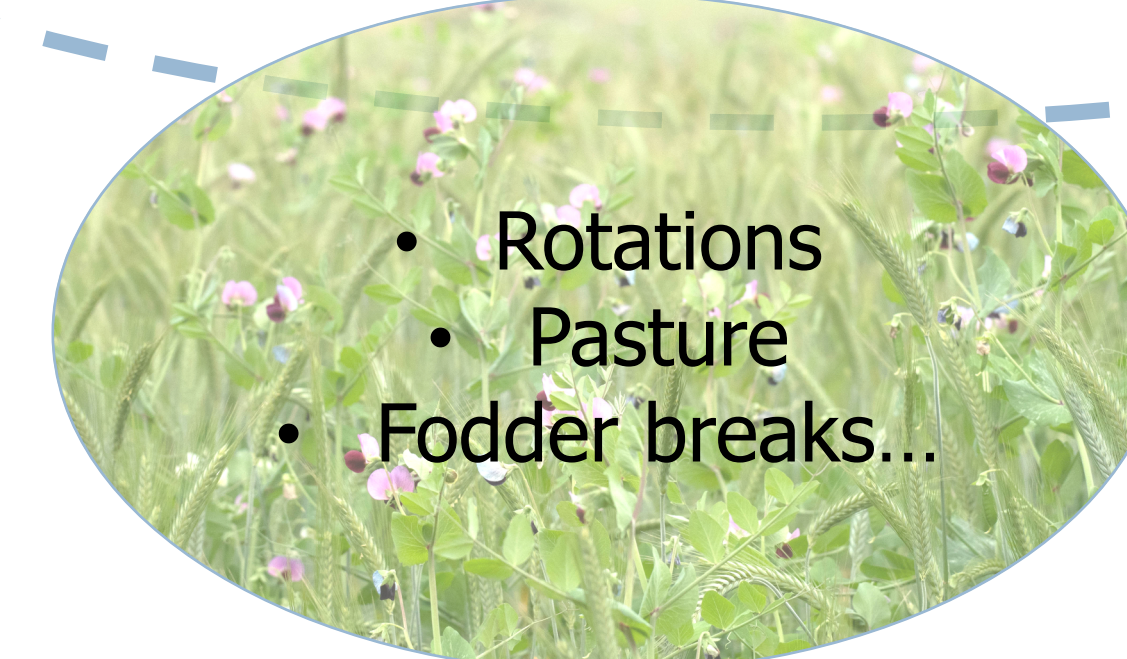
Substitution



STRATEGIES

To achieve a CA without glyphosate

Redesign



Organisational

- Dependence on the weather
- Difficulty managing weeds
- ...

Technical and financial

- Low investment capacity
- Fuel consumption
- Cost of manual weeding...

Lock-ins

Cultural

- Risk aversion

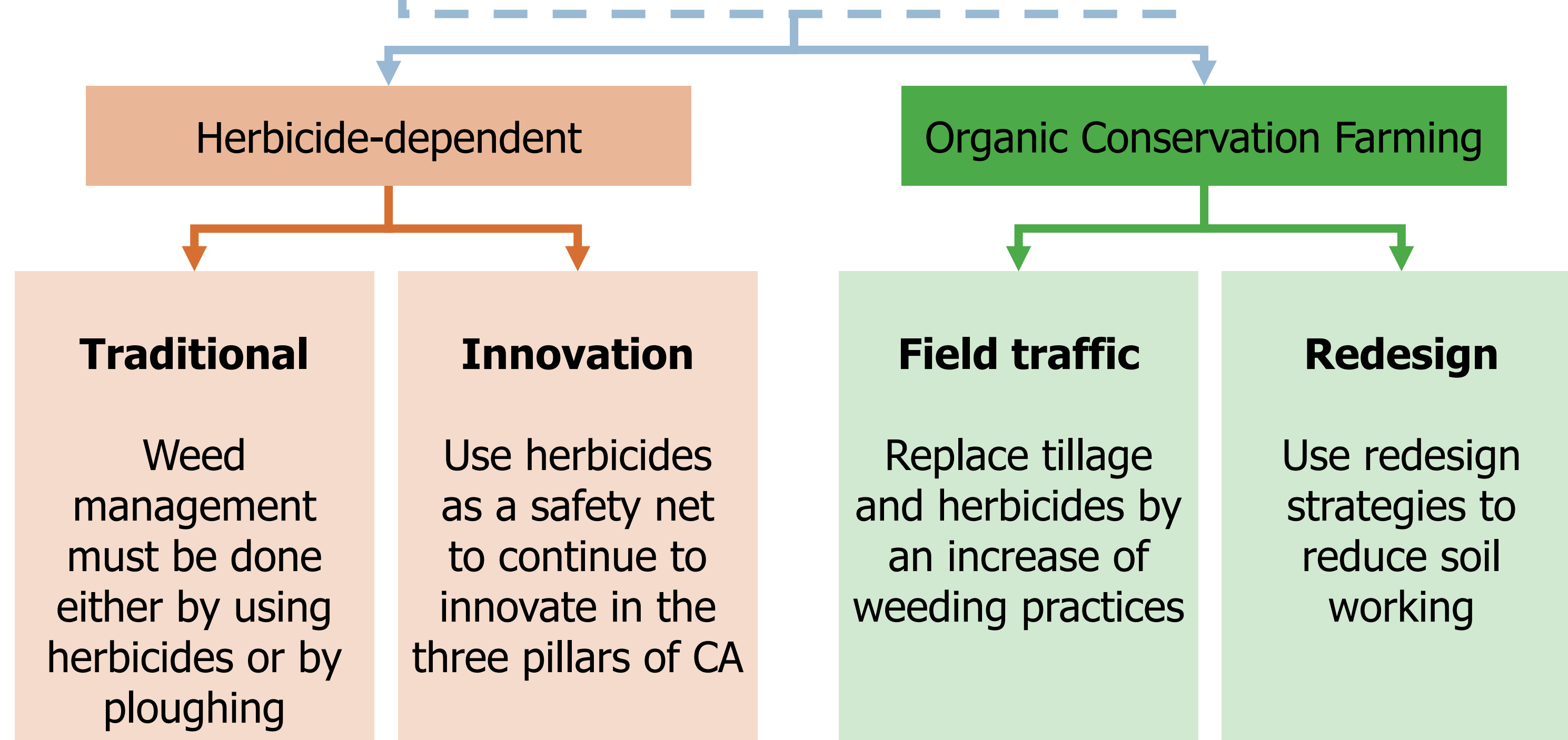
Knowledge

- Lack of support
- Lack of knowledge...

5. DISCUSSION

Diversity of models in Conservation Agriculture

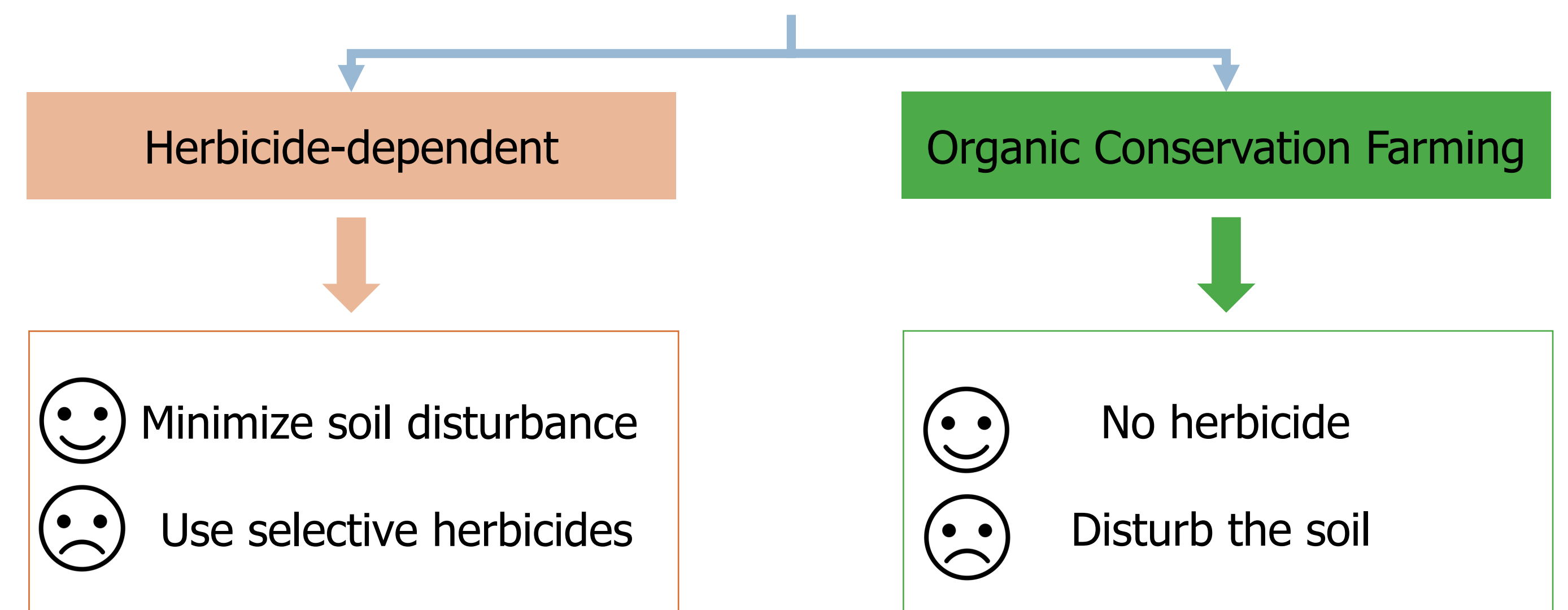
Four sub-models of CA



6. CONCLUSION

Two possible scenarios of CA without glyphosate

Two scenarios



Dilemma : No-tillage agriculture but with **herbicides**
or
herbicide-free agriculture but with **soil disturbance** ?