



clean air farming

Luftreinhaltung durch
Landwirtschaft

Agricultural vocational training - Fit for the future!

A survey to analyze the status quo

Ein Projekt von:



Deutsche Umwelthilfe



EEB
European
Environmental
Bureau

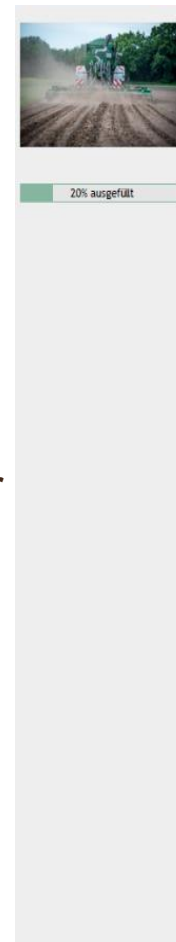


Gefördert durch:



Survey details

- Nationwide online survey at 164 vocational schools & 11 universities
- Answers: 28 vocational schools and 8 universities
- Regional priorities: Bavaria, Lower Saxony, Baden-Württemberg and North Rhine-Westphalia



Minderung von Methan und Ammoniak in der Landwirtschaft

9. Werden folgende Emissionen aus der Landwirtschaft im Rahmen der landwirtschaftlichen Berufsausbildung behandelt?

Mehrere Antworten ankreuzen ist möglich

- ☐ Kohlenstoffdioxid (CO₂)
- ☐ Methan (CH₄)
- ☐ Ammoniak (NH₃)
- ☐ Lachgas (N₂O)
- ☐ Staub
- ☐ Feinstaub
- ☐ Sonstiges:

10. Worauf liegt der Fokus im Unterricht über Ammoniak und/oder Methan aus der Landwirtschaft?

- ☐ Kein Fokus
- ☐ Auf landwirtschaftlichen Quellen von Methan und Ammoniak
- ☐ Auf theoretischen Hintergründen (Chemie, Ökologie, ...)
- ☐ Auf umweltschonender Agrartechnik
- ☐ Auf rechtlichen Vorgaben
- ☐ Auf anderen Aspekten:

11. Wie werden Inhalte zu Ammoniak und Methan unterrichtet?

[Bitte auswählen]

Zurück

Weiter

Befragung unterbrechen

Diese Umfrage wurde erstellt mit der Umfrageplattform "SoSci Survey", gekennzeichnet durch SSL-verschlüsselte Datenübertragung, Datenschutzkonform nach DSGVO und BDSG.

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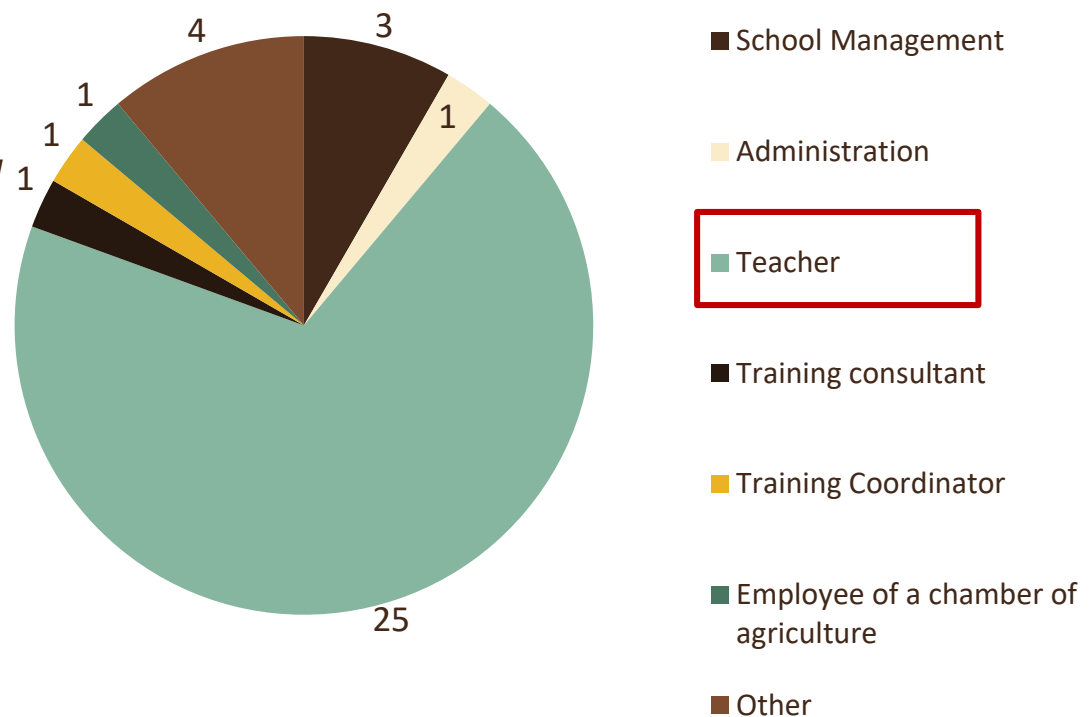
Diese Umfrage ist Teil des LIFE-Projekts Clean Air Farming (LIFE17 GIE/DE/610 Air & Agriculture), welches im Rahmen des LIFE-Programms von der EU-Kommission gefördert wird.





The survey was mainly answered by teachers.

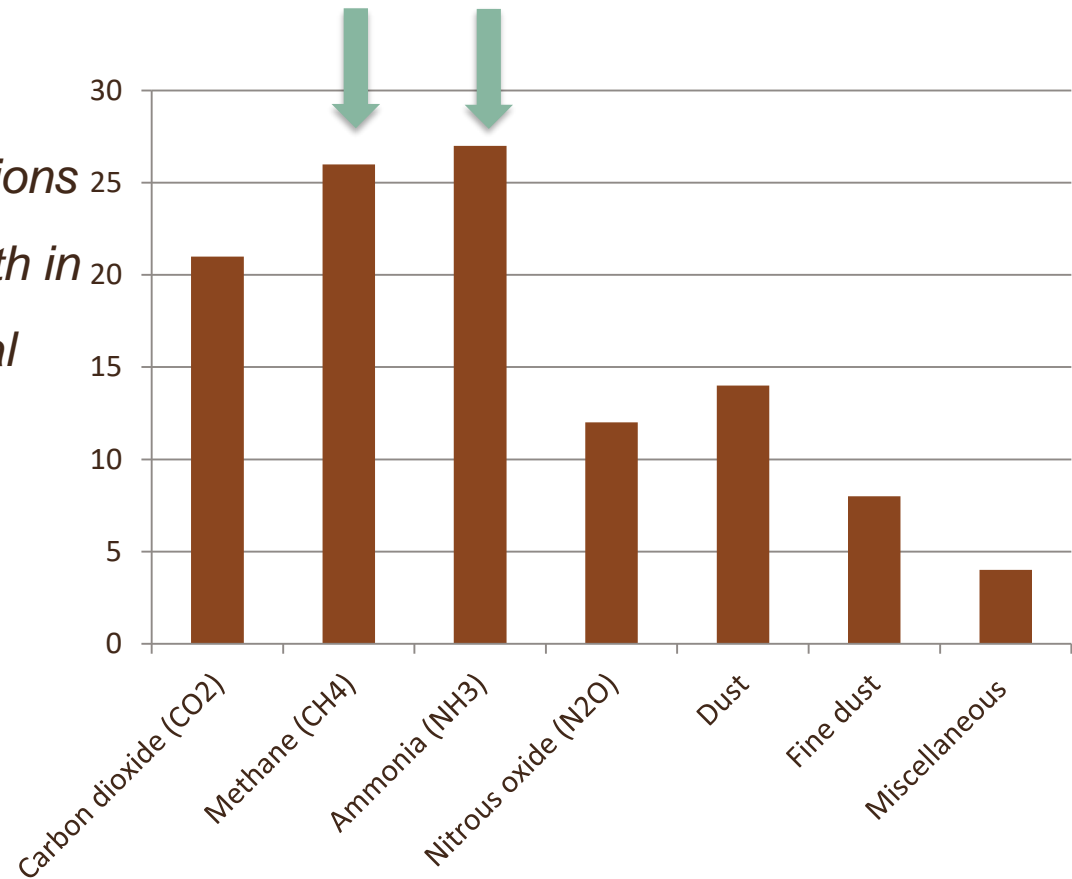
*"In what **function** are you involved in agricultural vocational training?"*



*Multiple selection was possible

The focus is on methane and ammonia emissions.

"Are the following emissions from agriculture dealt with in the context of agricultural vocational training?"

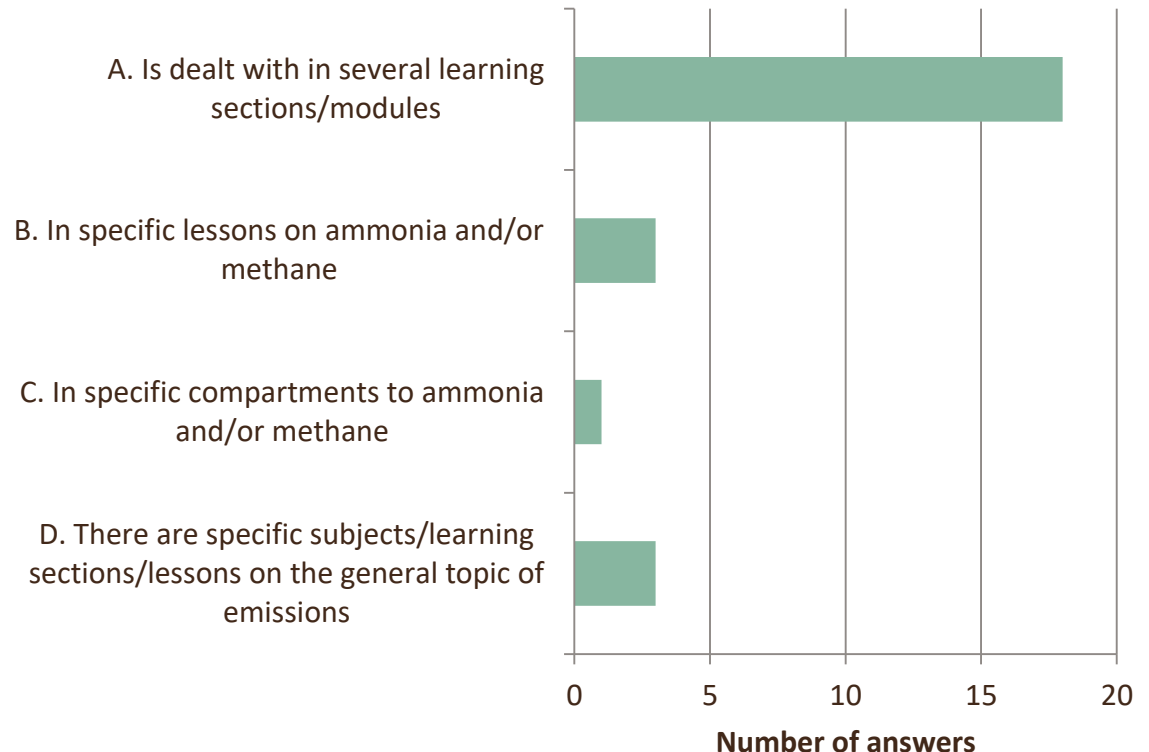


*Multiple selection was possible



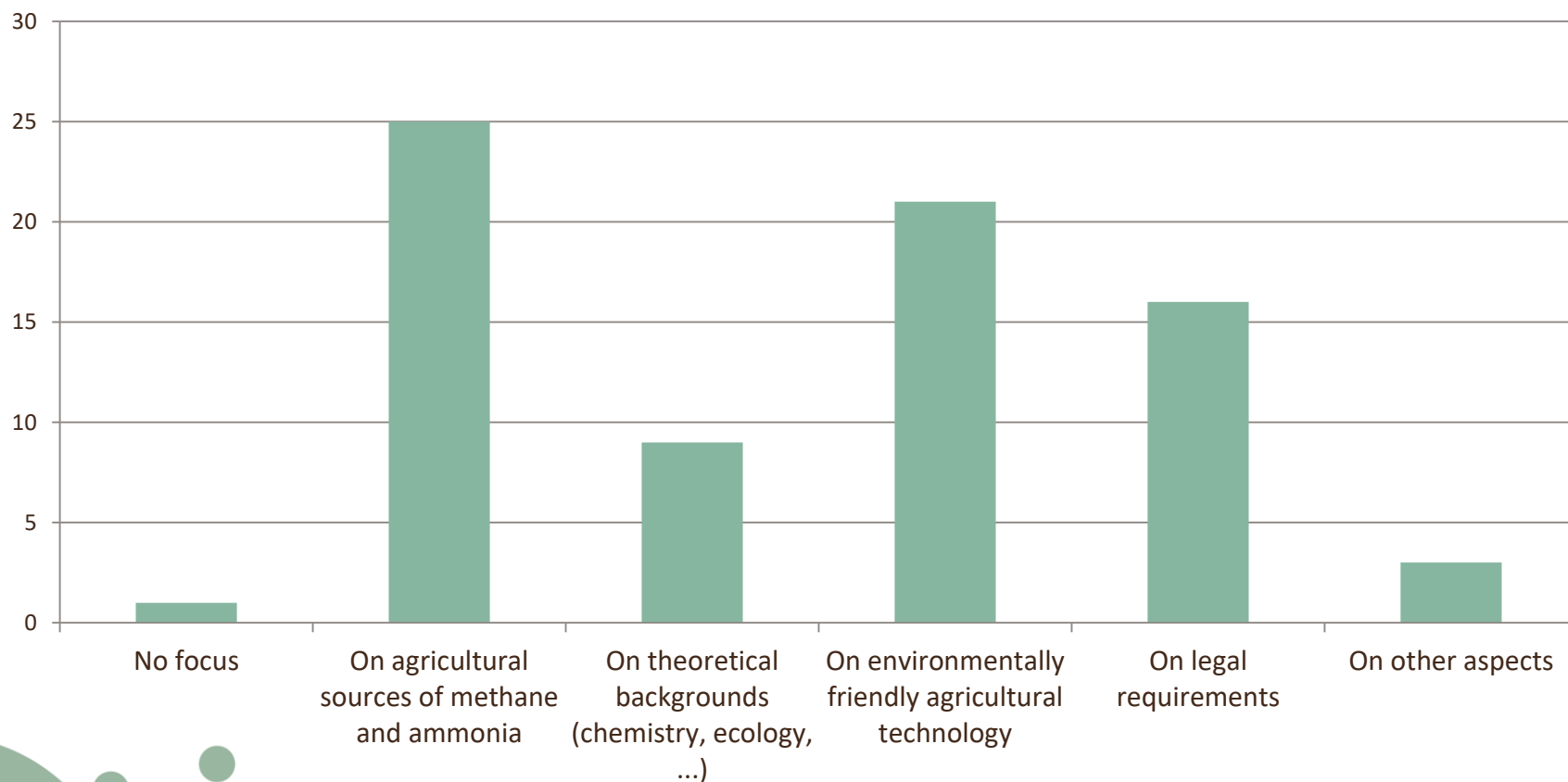
Contents on methane and ammonia are taught in a cross-topic way.

"How are contents on ammonia and methane taught?"



The focus is on relevant topics for emission reduction.

"What's the focus in class?"



Multiple Choice possible



In half of the cases, external experts provide input.

e.g....

- Chambers of Agriculture
- Authorities at state and/or federal level
- Private (environmental) consulting
- Associations (German Farmers association, water management, organic associations)
- Agricultural enterprises
- Other education and research institutions

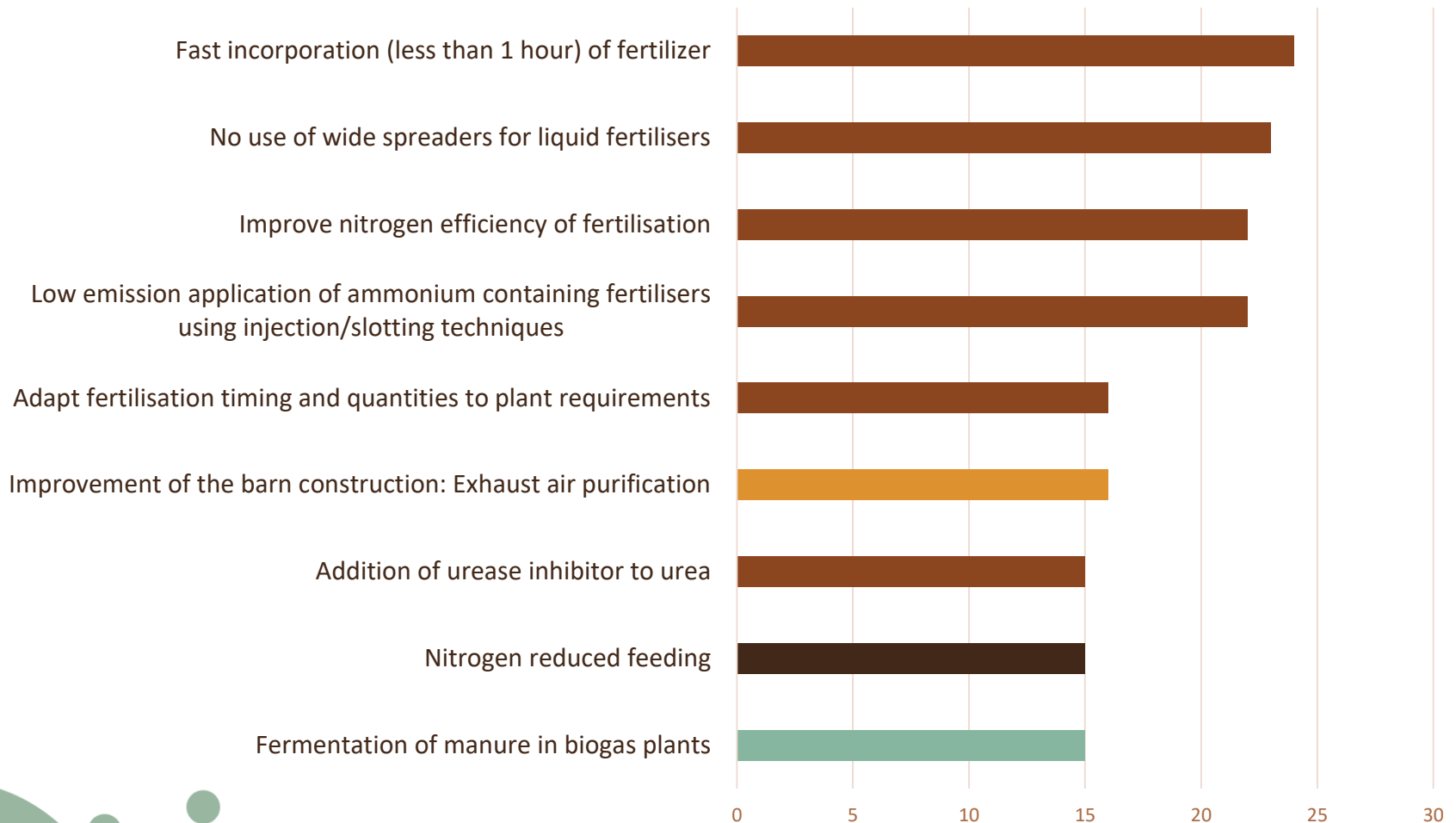
There are clear priorities in the addressing of measures.

"What specific ammonia and/or methane reduction measures are or are not being addressed?"

- Fertilizing techniques are widely taught
- Reduction of CH₄ & NH₃ emissions through measures in the animal husbandry sector rather less, although they generally play a major role
- Measures in the area of stable construction play a minor role in general and with regard to NH₃ & CH₄ emissions
- Important other measures: Fermentation in biogas plants

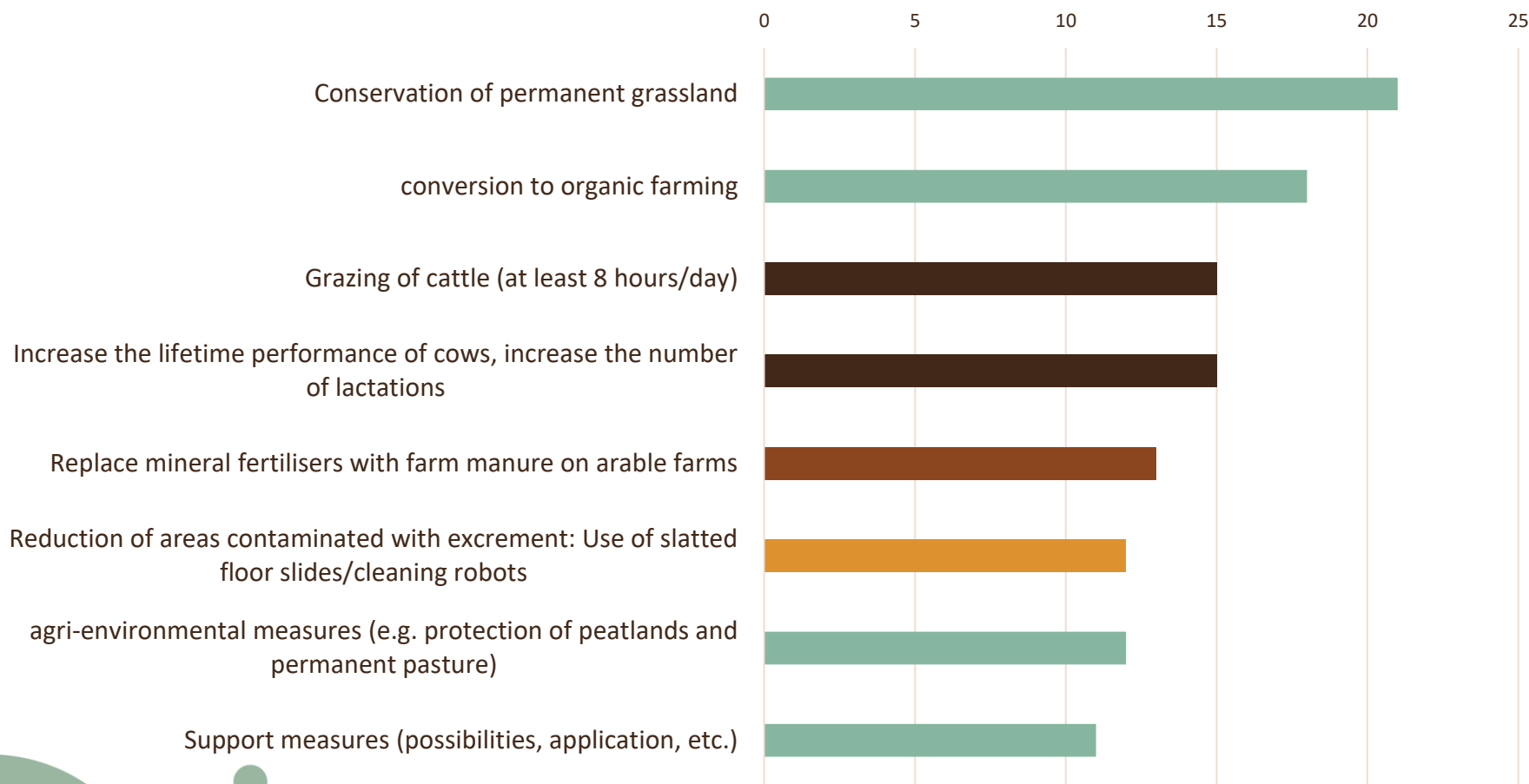


Are these measures with a clear link to emission reduction part of the training?





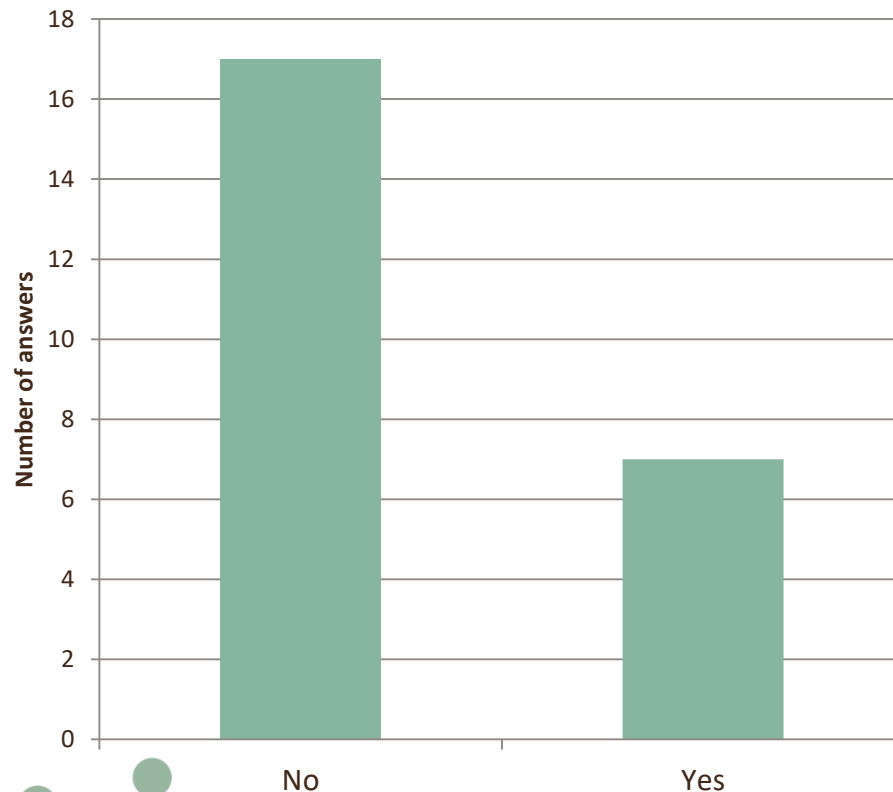
Are these measures without a clear link to emission reduction part of the training?





No topic for training?

"Should more content on ammonia and methane reduction measures be taught in vocational training?"



*"Continuing **education and training institutions** are more important places of education"*

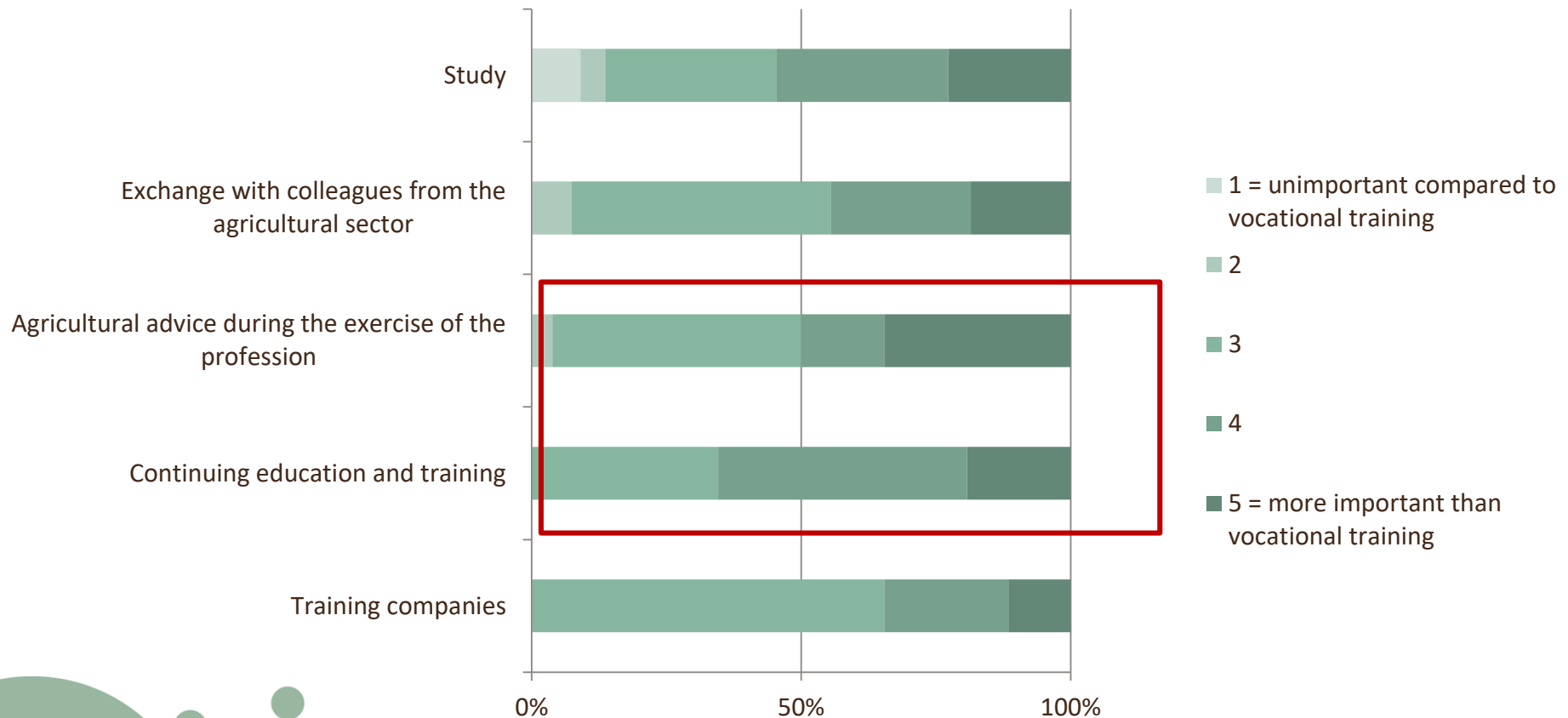
*"**Expert** lectures would be useful here"*

*"we are already well on our way as a first education with the few hours of schooling. **We sensitize.** As in other professions, vocational training is also at the level of **"employee training"**.*



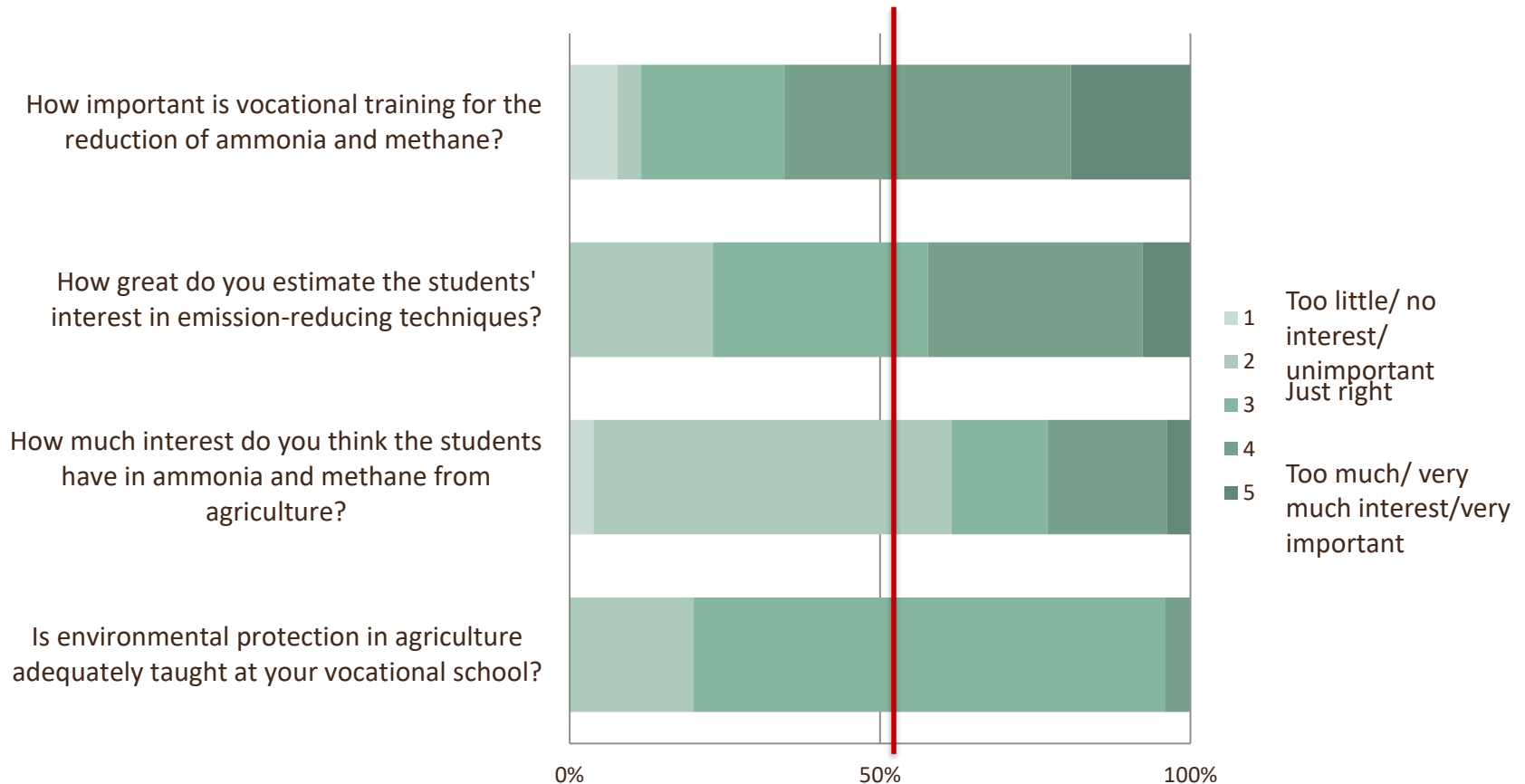
Does the topic play a big role outside of vocational training?

"Other ways of providing farmers with knowledge about ammonia and methane from agriculture".





Important topic, but lack of interest from students?



www.cleanairfarming.eu



• Thank you very much for your
• attention!