Animal welfare at pig abattoirs: Identifying general critical control points in animal welfare during transport and slaughter and possibilities to improve abattoir staff training

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"Development of target group oriented e-learning training courses to improve animal welfare during transport and slaughter of cattle and pigs"

WHO?

- **livestock carriers**

- **abattoir staff**

- **animal welfare officers**

≠ level of education
≠ previous and specific knowledge
≠ native language
≠ socioeconomic background
≠ knowledge about animal welfare

Diverse group of people

➢ different languages
➢ different amounts of knowledge to be conveyed
➢ different methods of presenting the contents
(text vs. pictures vs. cartoon/animation vs. videos etc.)
➢ various media and tools to make the training content available; preferably online with the possibility to print scripts

Why „target groups"?

- language?
- knowledge?
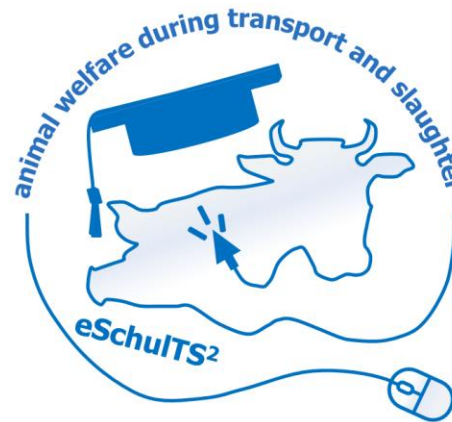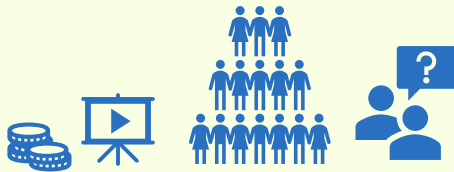- background?
- presenting methods?

Why „Animal welfare during transport and slaughter"?

- handling in stressful surrounding
- interest of consumers and producers
- direct improvement of animal welfare
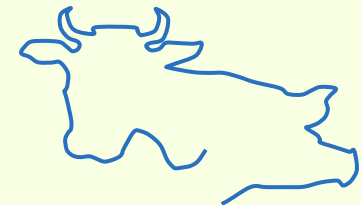- indirect improvement of meat quality

animal welfare during transport and slaughter

eSchulTS²

Why „E-learning"?

- reaching broad mass of people
- „cheap" and easy spreading
- adaptable and expandable
- easy translatable

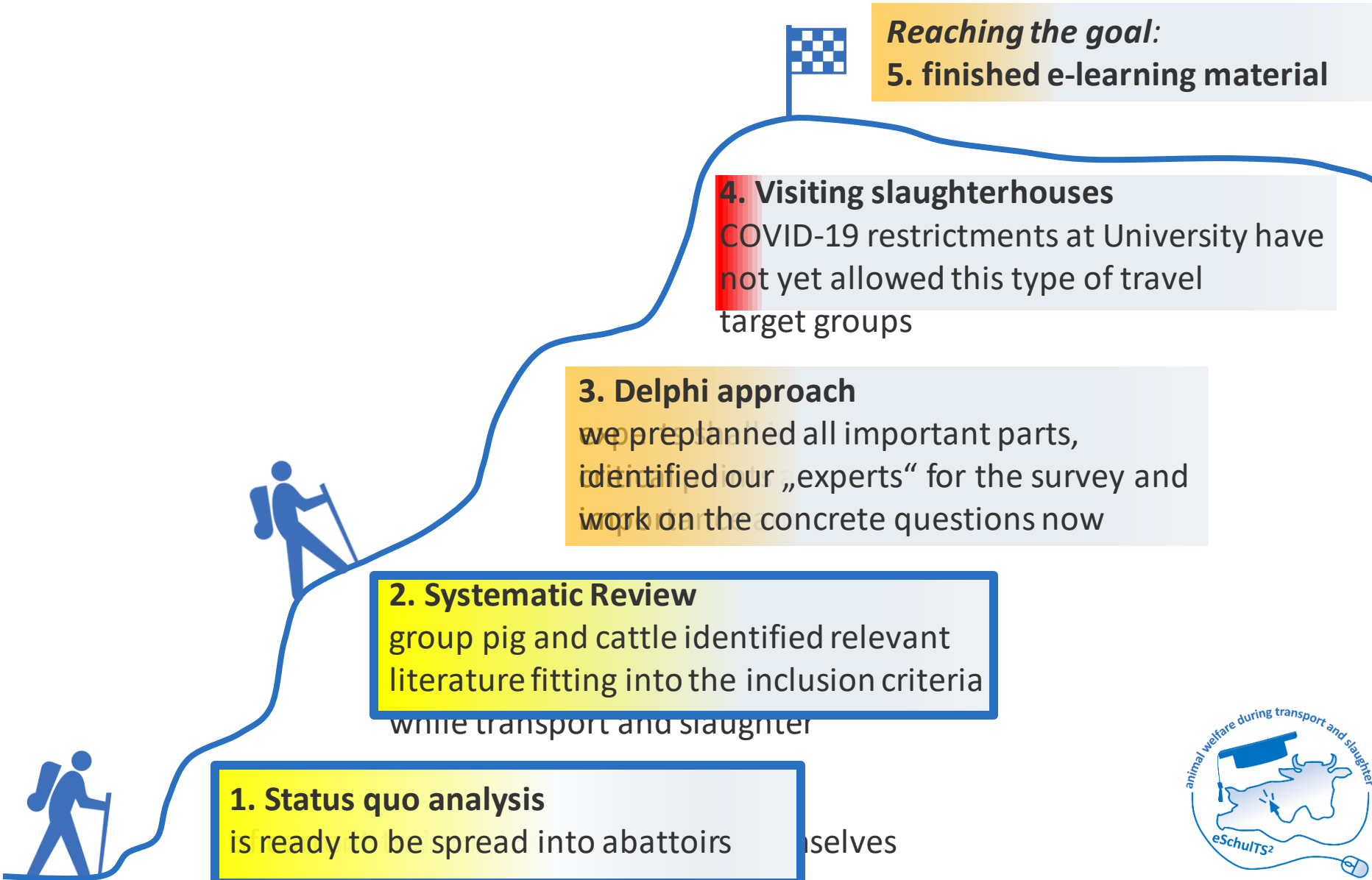## Why „cattle and pig"?

- handling!
- room for improvement

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Reaching the goal:
5. finished e-learning material

4. Visiting slaughterhouses
COVID-19 restrictments at University have not yet allowed this type of travel
target groups

3. Delphi approach
we preplanned all important parts,
identified our „experts" for the survey and
work on the concrete questions now

2. Systematic Review
group pig and cattle identified relevant literature fitting into the inclusion criteria
while transport and slaughter

1. Status quo analysis
is ready to be spread into abattoirs selves

animal welfare during transport and slaughter
eSchulTS²

1. Status quo analysis

???

general **information** about the **abattoir**

questions about **staff** that handles live animals

employees trained in animal welfare

realization and **conception** of the materials
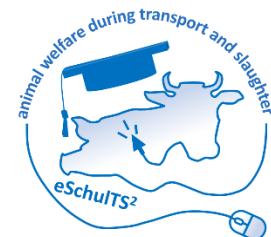
further questions and personal **opinion**

!!!

Tool: **LimeSurvey**

goal:
get an insight into the current design of trainings
where self-recognized shortcomings lie
what is desired and interpretation where there might be obstacles

2. Systematic Review: Pig

search **terms** (+ combination) **language**

limitations (inclusion/exclusion criteria)

search **engines**

management system

total hits: **2.140**

duplicate screening: **1.261**

manual duplicate screening: **883**

title screening: **289**

abstract screening: **???**

full texts?

Summary

✓ **including interim results into training material**

- Status Quo analysis, systematic review and Delphi approach will be performed
- e.g. suggestions, good practices that have already proven themselves…

✓ **providing training material in foreign languages**

- even if the number of contract workers in Germany will most likely decrease due to the COVID outbreaks and the precarious housing situation

✓ **possibility of international use**

✓ **setting a common standard**

- by standardized und well structured e-learning training courses

✓ **choosing different forms of visualization and realization, to avoid misconduct of wrong behaviour** (for especially educationally distant target groups):

- **filming** good and desired behaviour
- display wrong behaviour in **animations** (cartoons, animated videos etc.)

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… all *of you* for the attention

Questions and suggestions?
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TEAM MEAT HYGIENE
FOR HUMANS AND ANIMALS