

## AECM Paris 2016

# „Application of solid manure“

## Round table 3 - Innovative AECM

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**SACHSEN-ANHALT**

Ministerium für  
Umwelt, Landwirtschaft  
und Energie

# Description of the innovative measure

## ■ Target

to create an AECM that helps animal welfare

- ... and is easy to administer!

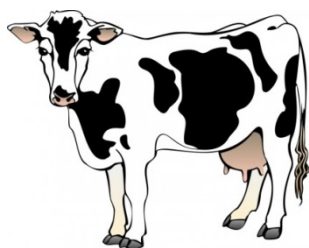
## ■ Objectives of the support

- Support of straw bedding of pigs and cattle at the farm and
- establishment/preservation of a material cycle of solid manure for cattle or pigs to support humus formation adapted to the respective location on arable land.

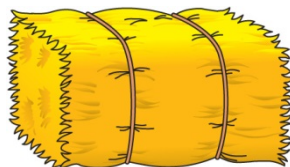
## ■ Experiences

- 2 application procedures in 2015 and in 2016 – five year commitment
  - 1.1.16: 15.700 ha (aim: 27.000 ha)
  - 1.1.17: 4.300 ha (aim: 23.000 ha)

# Description: Funding commitments



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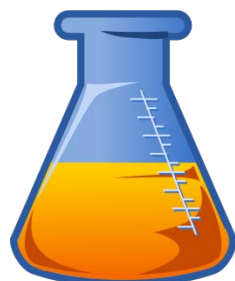
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Solid manure produced by 1 LU (livestock unit), kept on straw by the applicant,



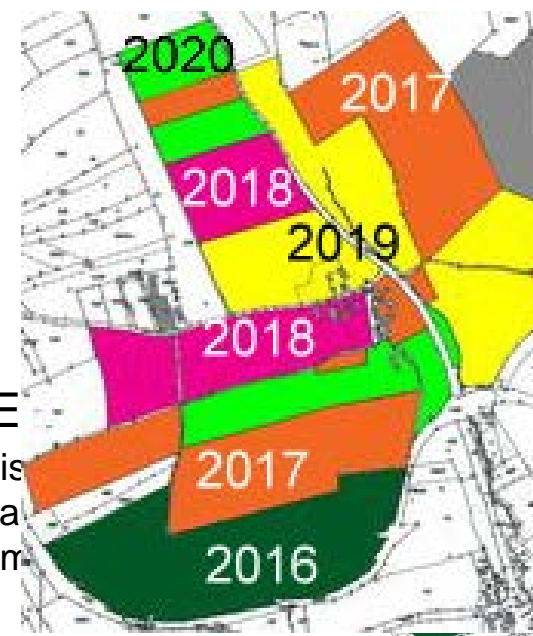
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Spread' on arable land  
max. 1,4  
using machines with  
h/lu  
- adjustable supply,  
- boundary spreading and  
- weighing devices

2 x investigation  
of the soil's  
humus content  
in 5 years

Documentation  
-plot related  
-amount of cattle  
-and pigs  
-kept on straw

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# Environmental issue being addressed through this measure

## Core objective: improving soil management\*

### ■ (Union priority for rural development no. 4 c)

Increase of humus formation due to

- maintenance and enhancement of soil life  
(increased microbial activity and more earthworms etc.)  
and natural soil fertility,
- enhancement of water storage and aeration,
- lower loss of nutrients.

\* “Restoring, preserving and enhancing ecosystems related to agriculture and forestry: preventing soil erosion and improving soil management”

## **More** environmental issues being addressed through this measure

### ■ **Animal welfare - priorities 3 a) and b)**

- straw bedding improves hoof health and wellbeing, lower risk of injury
- pigs: heat-insulating and moisture-absorbing, satisfies playful and exploratory behaviour, reduces „tail-biting“ und other aggressions

### ■ **Improving water management, including fertiliser and pesticide management (4 b)**

- Lower groundwater contamination with nitrate, antibiotics (and lower risk for surface waters)

### **Climate protection – reducing greenhouse gas and ammonia emissions from agriculture (5 d)**

- The release of harmful gases is being reduced (methane, hydrogen sulfide, carbon dioxide, ammonia)

# Why this measure or approach is innovative?

## Soil-improving measure

- that additionally helps animal welfare
- To evaluate is only priority 4 C – soil management

- **Measure is easy to administer,**
  - easy to implement for the farmer and
  - easy to control for the administration
- **Easy evaluation.**

