

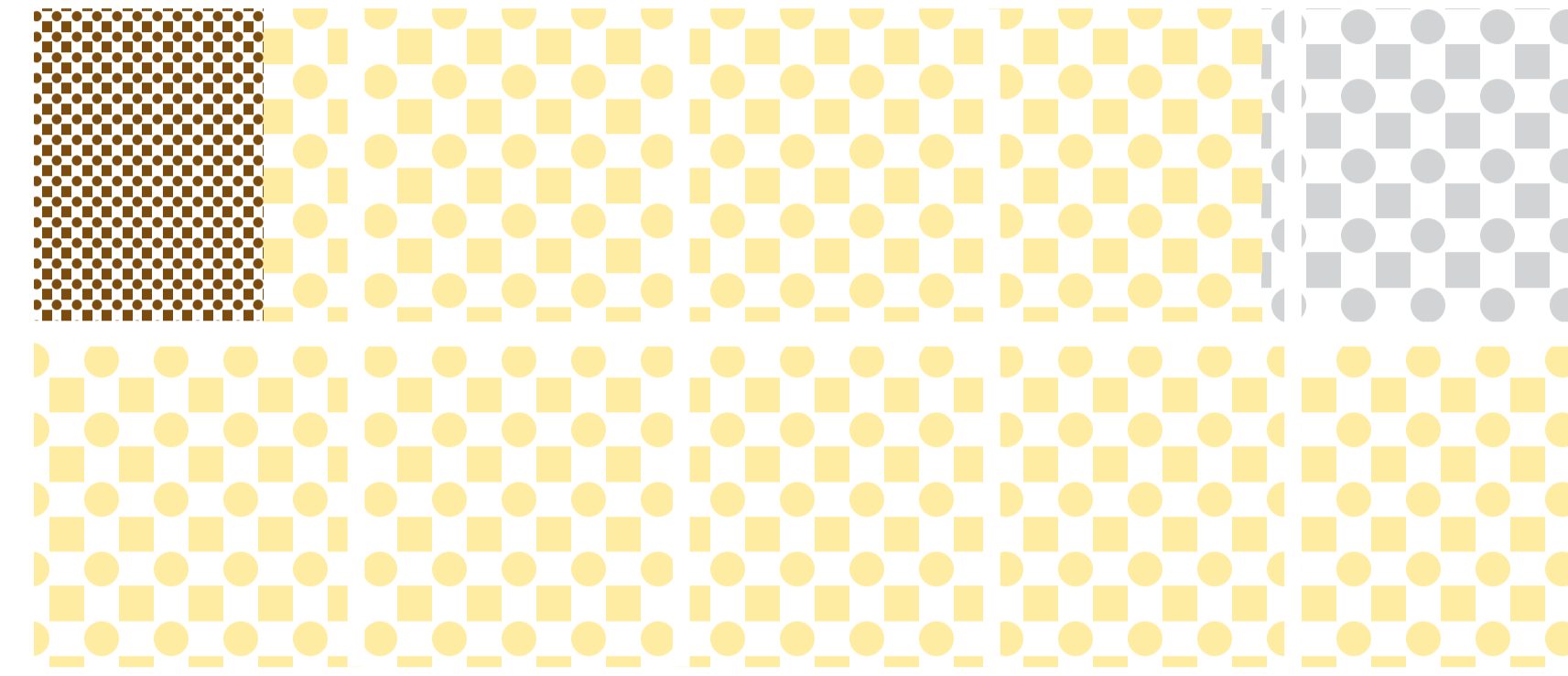
ANIMAL HUSBANDRY AND GLOBAL WARMING



Farm activities produce greenhouse gases that contribute to global warming.

The most important gases emitted are: carbon dioxide (CO₂), methane (CH₄) and nitrous oxide (N₂O) which are globally expressed in term of CO₂ equivalents.

How much is the environmental load, as CO₂ emission, of human activities?

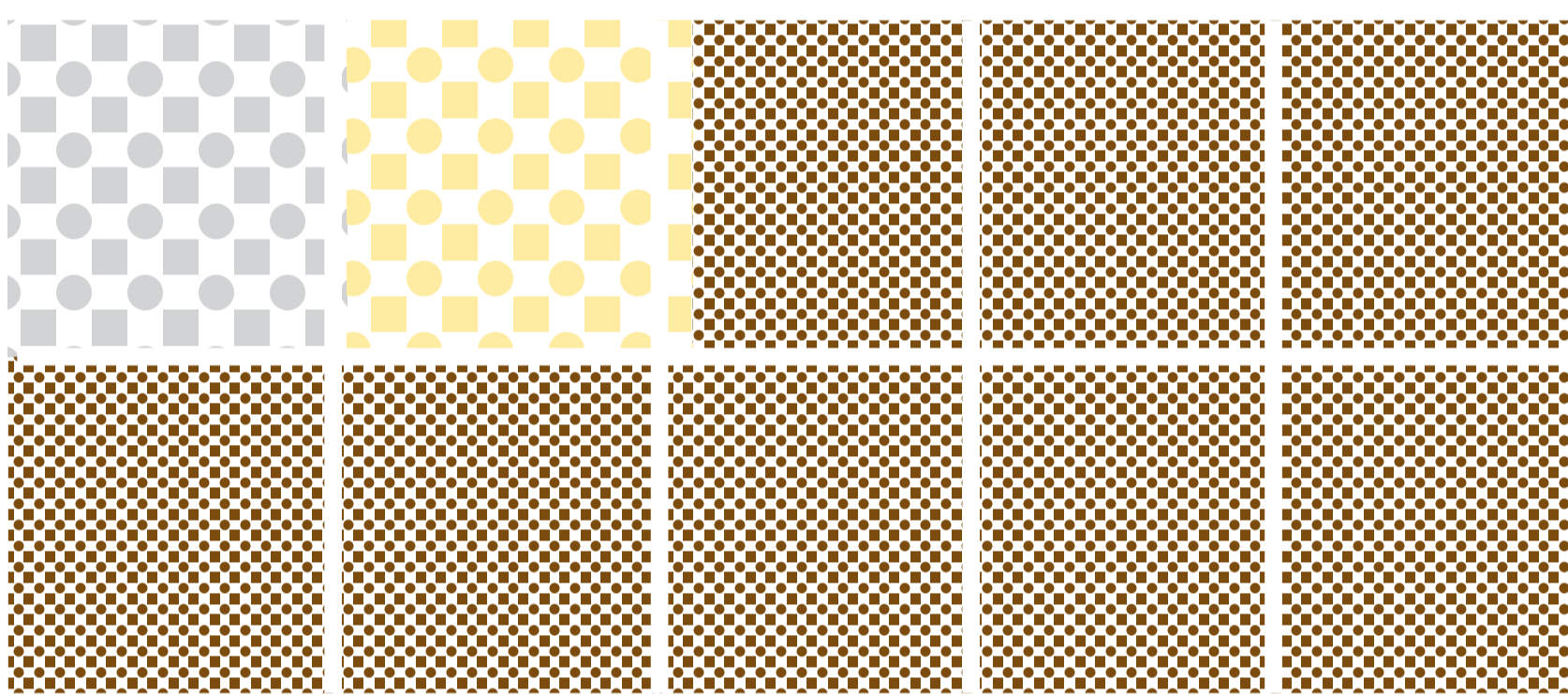


Sector emission, 2011

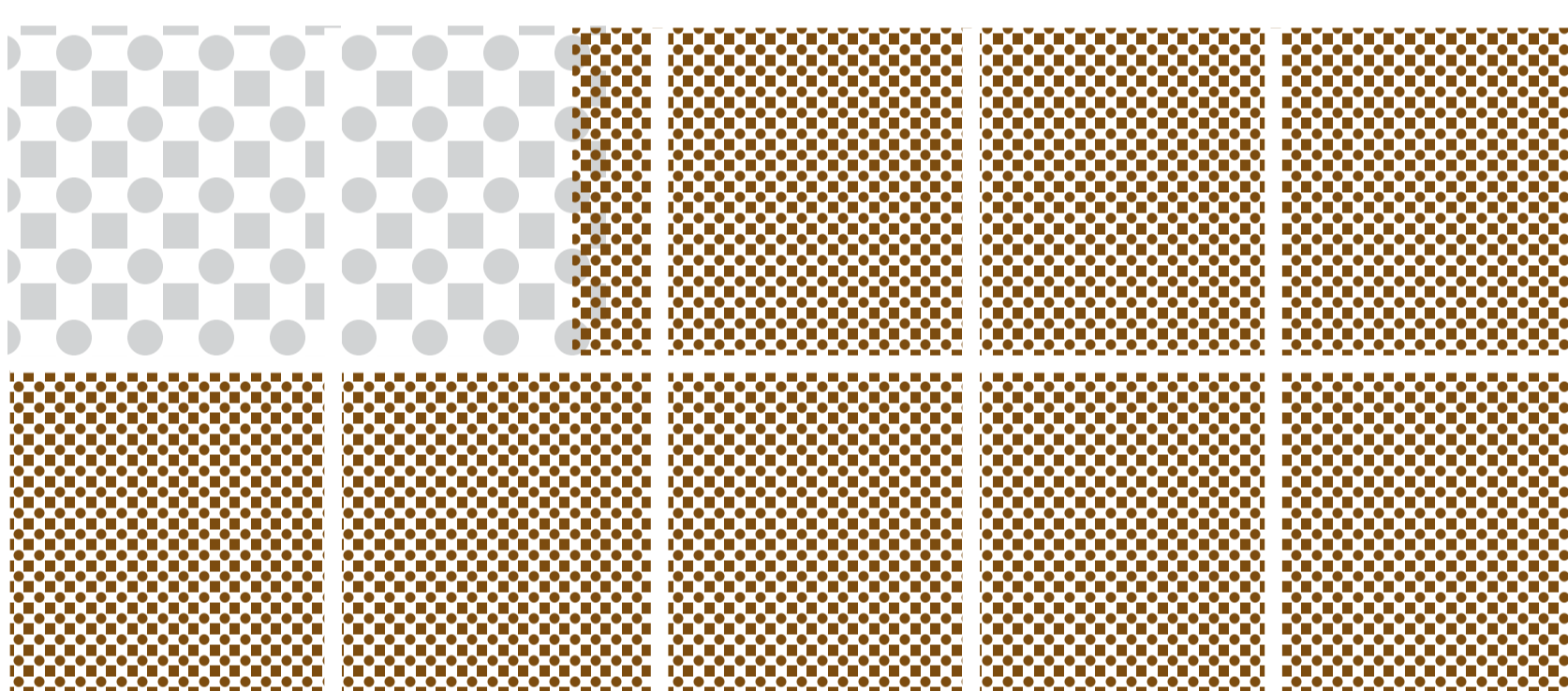
Source: ISPRA, 2013

How much is the agricultural load on total CO₂ emissions ?

CH₄ emission

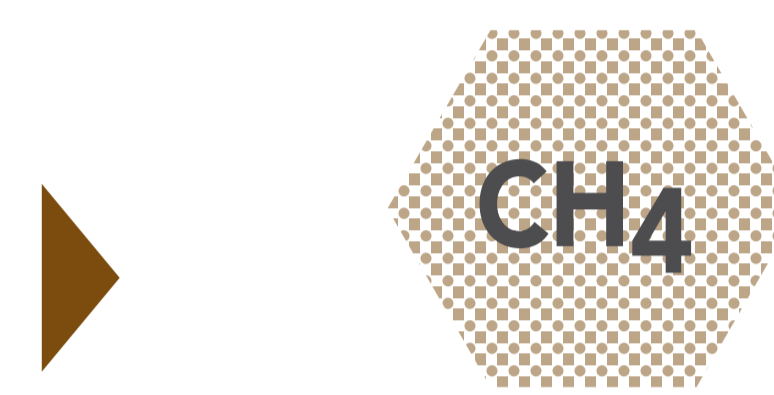


N₂O emission

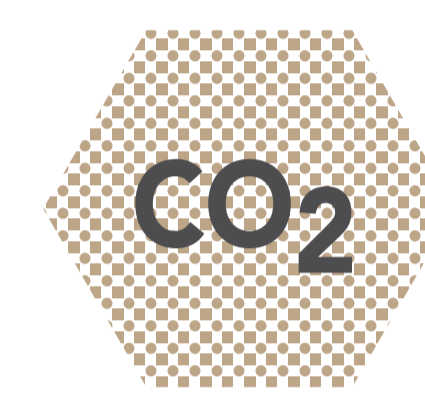


Source: ISPRA, 2013

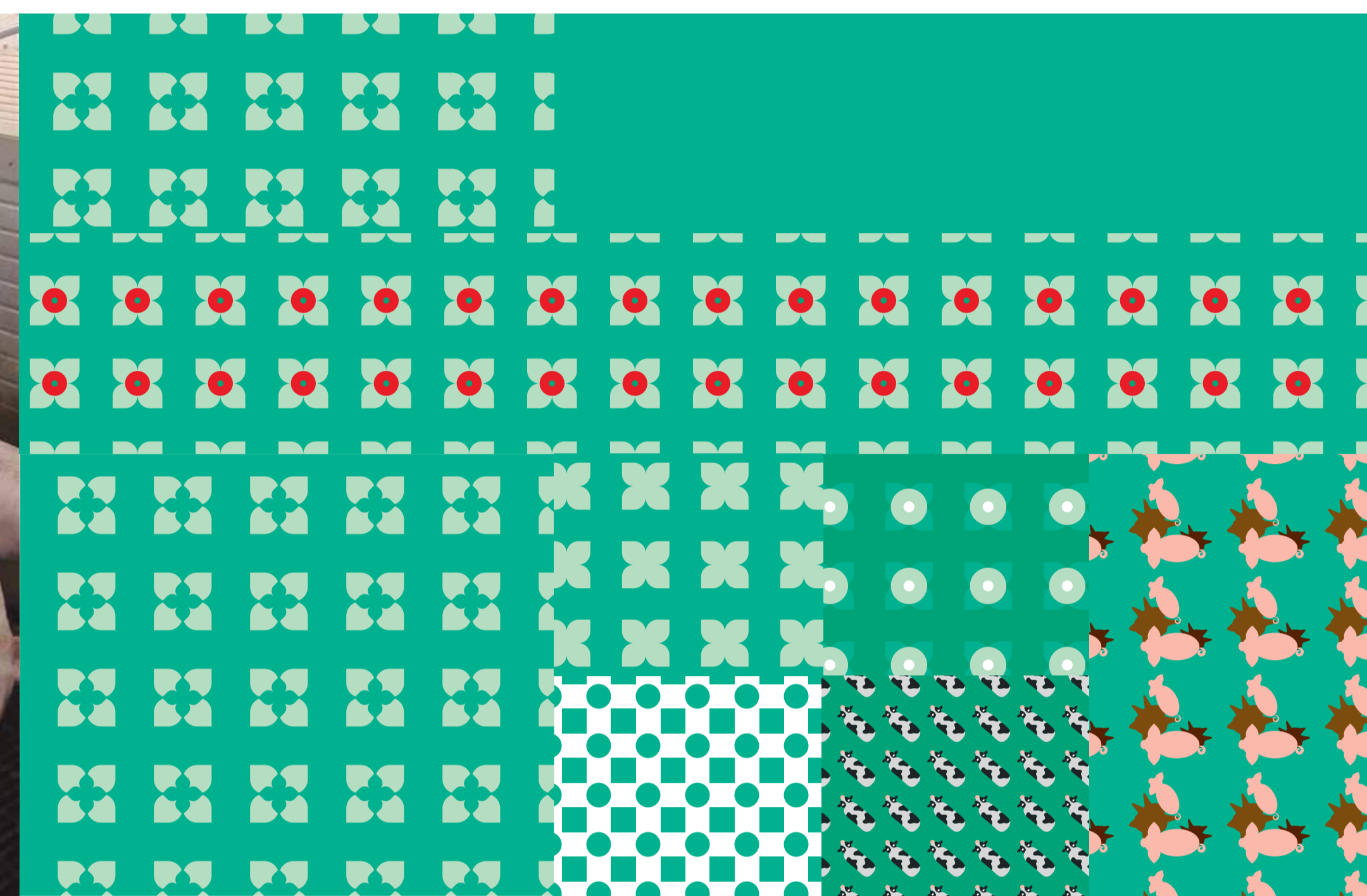
What are the source of greenhouse gases in a dairy farms?



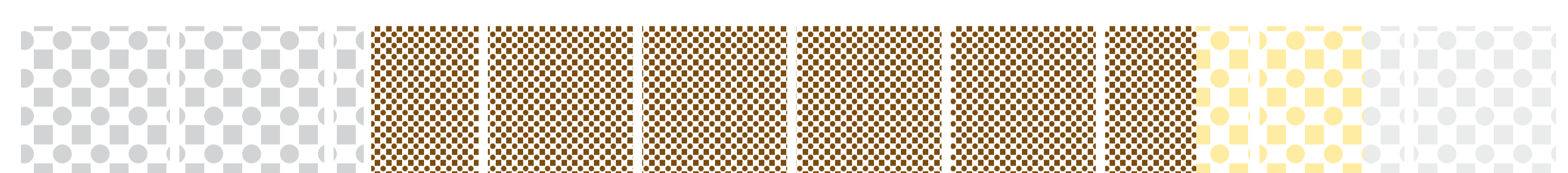
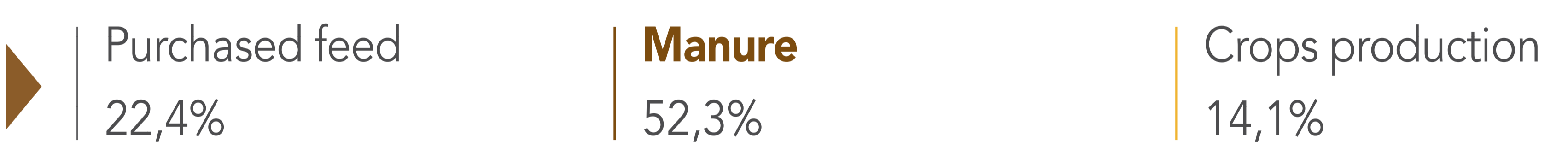
Enteric fermentation, solid and liquid manure



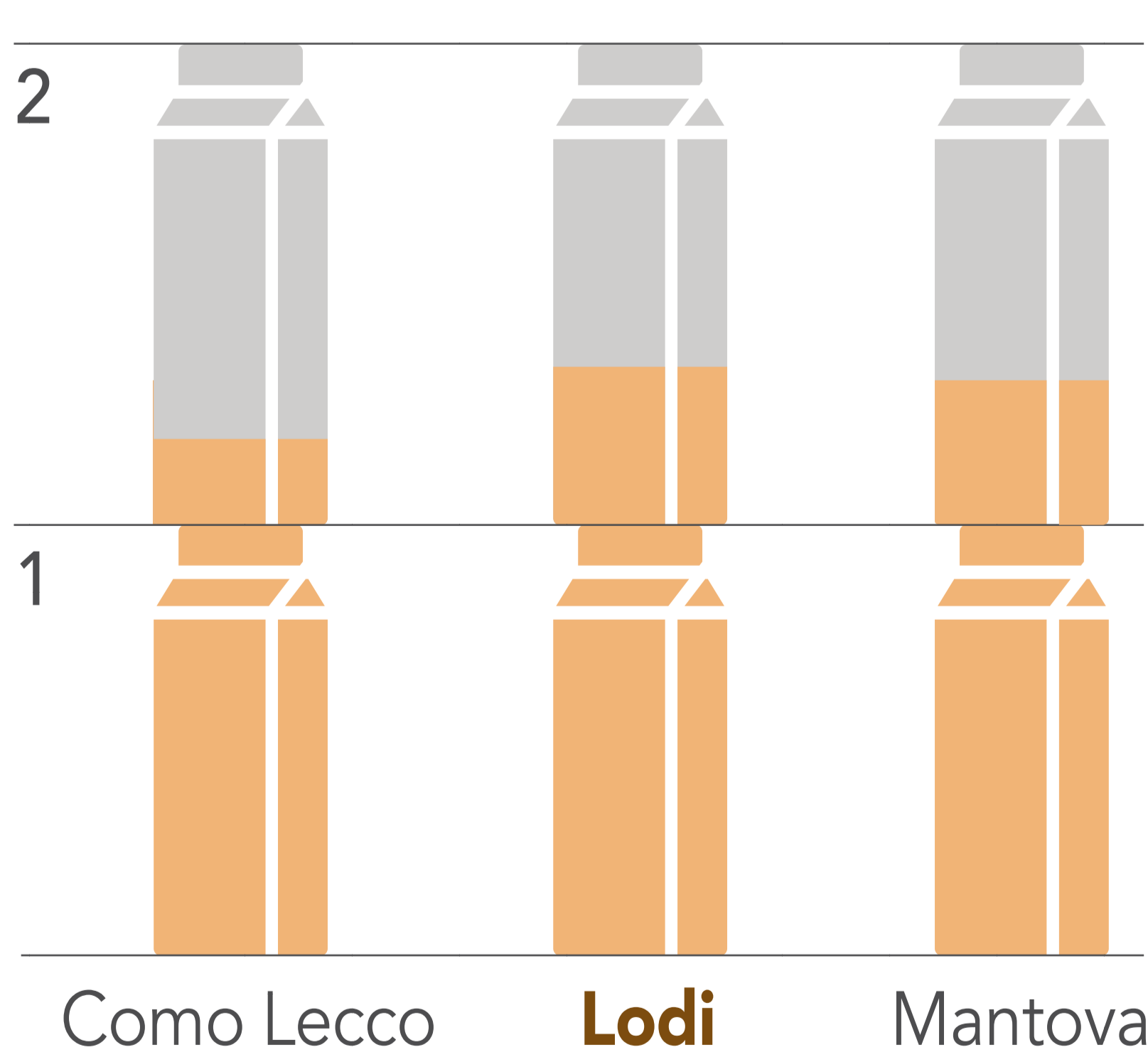
Solid and liquid manure, fertilizers use, fertilizers production, animal feed production, electricity



Contribution of CO₂ emissions from dairy farm sector

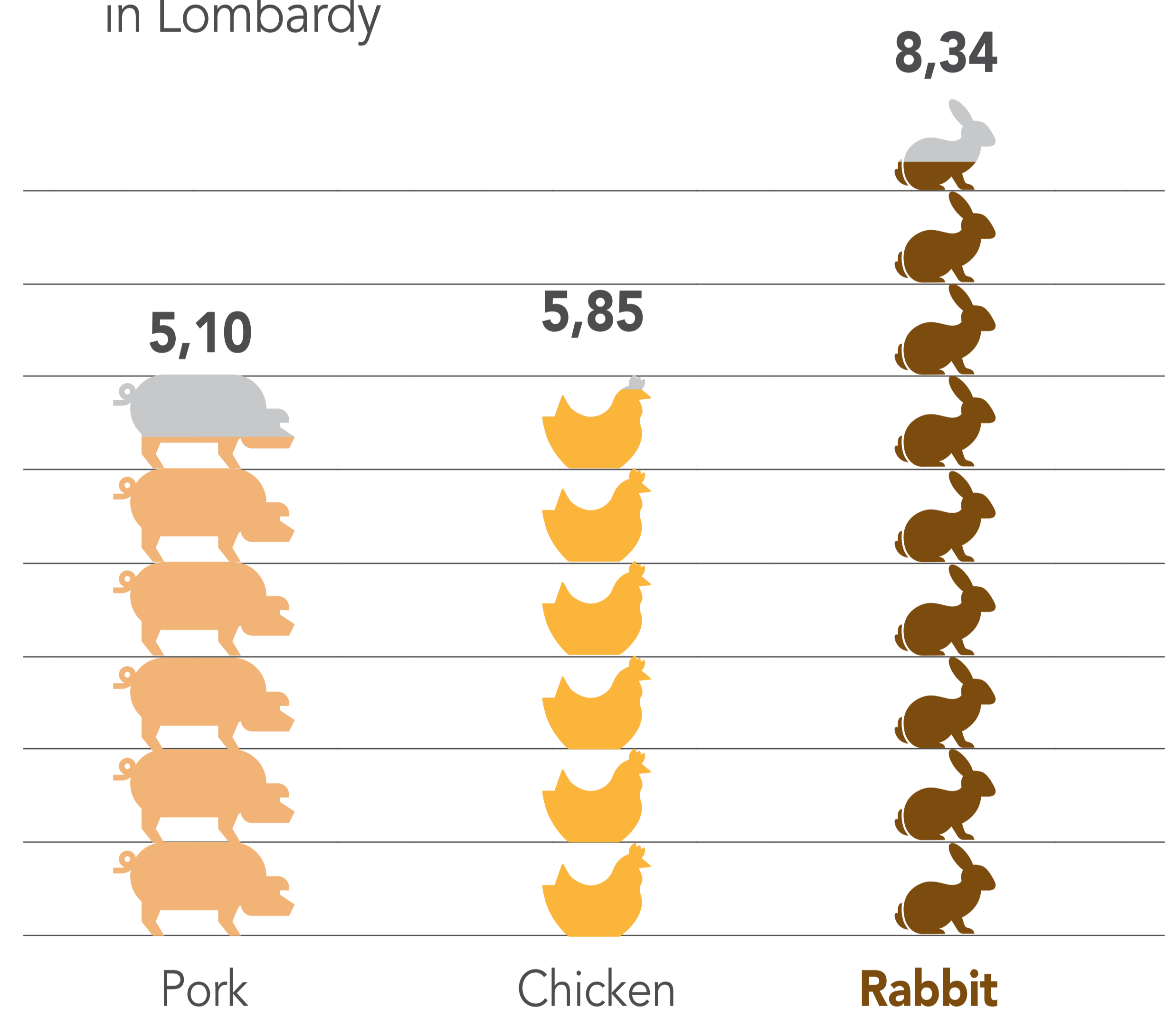


CO₂ emissions per Kg of milk in 29 dairy farms in three different Lombardy provinces



CO₂ emissions from meat sector

CO₂ emissions per kg of meat production in Lombardy



How is it possible to reduce CO₂ emissions from animal husbandry?

- Improving the ability of animals to convert feed in milk and meat
- Increasing milk and meat production per animals
- Improving manure management

