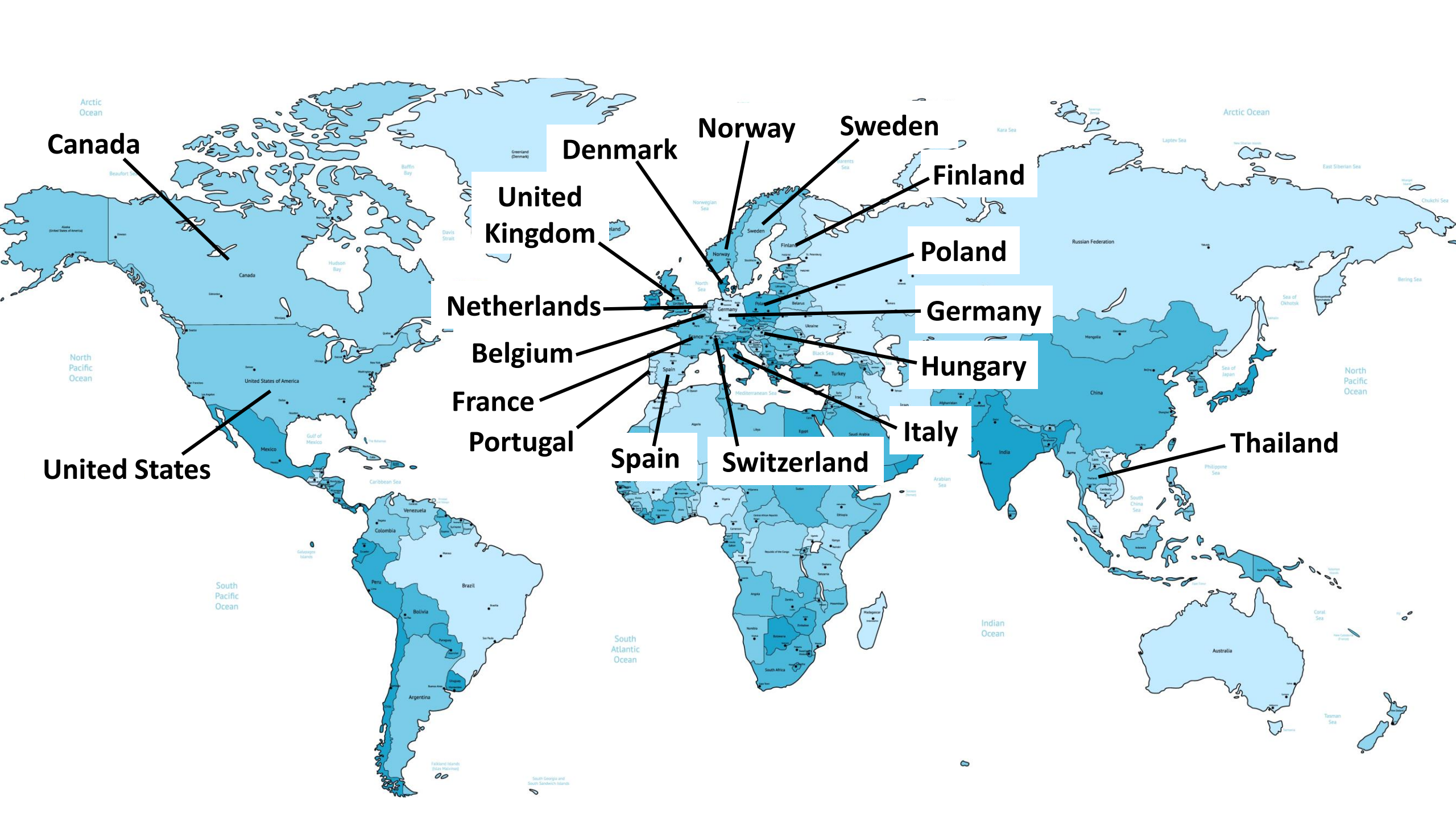


Pig Research Summit

Sustainable Feed for the Future

Chief consultant Hanne Maribo – stand in for

Director Christian Fink Hansen



Canada

United States

Denmark

United Kingdom

Netherlands

Belgium

France

Portugal

Spain

Norway

Sweden

Finland

Poland

Germany

Hungary

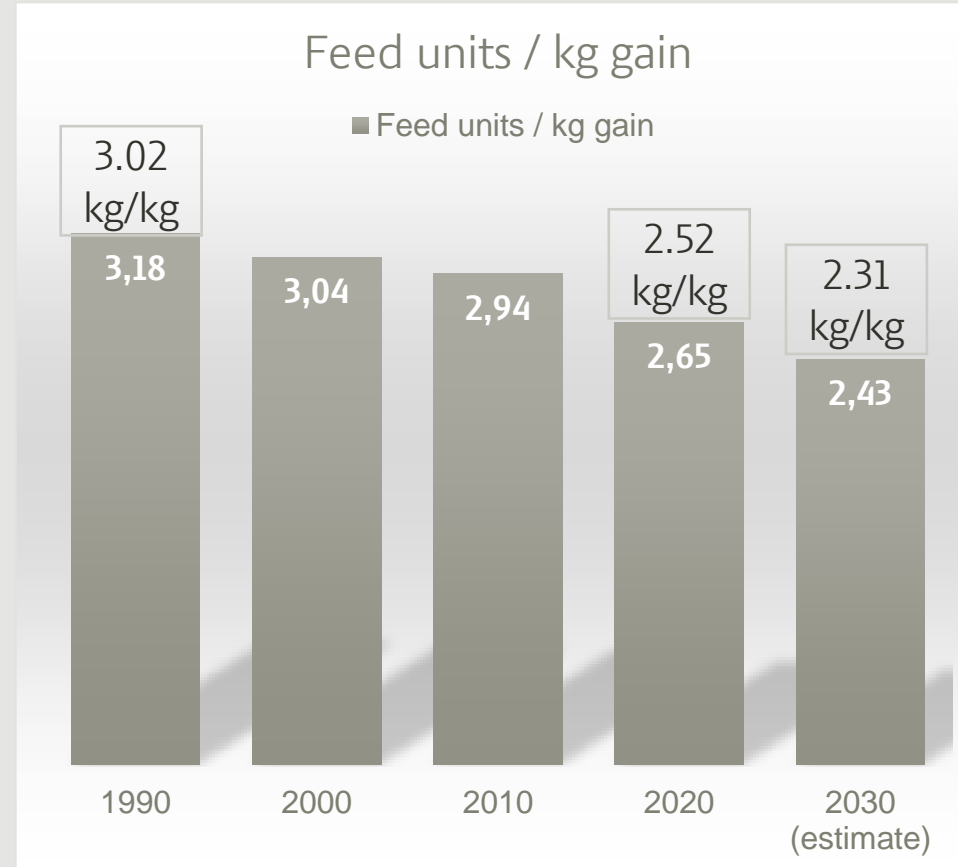
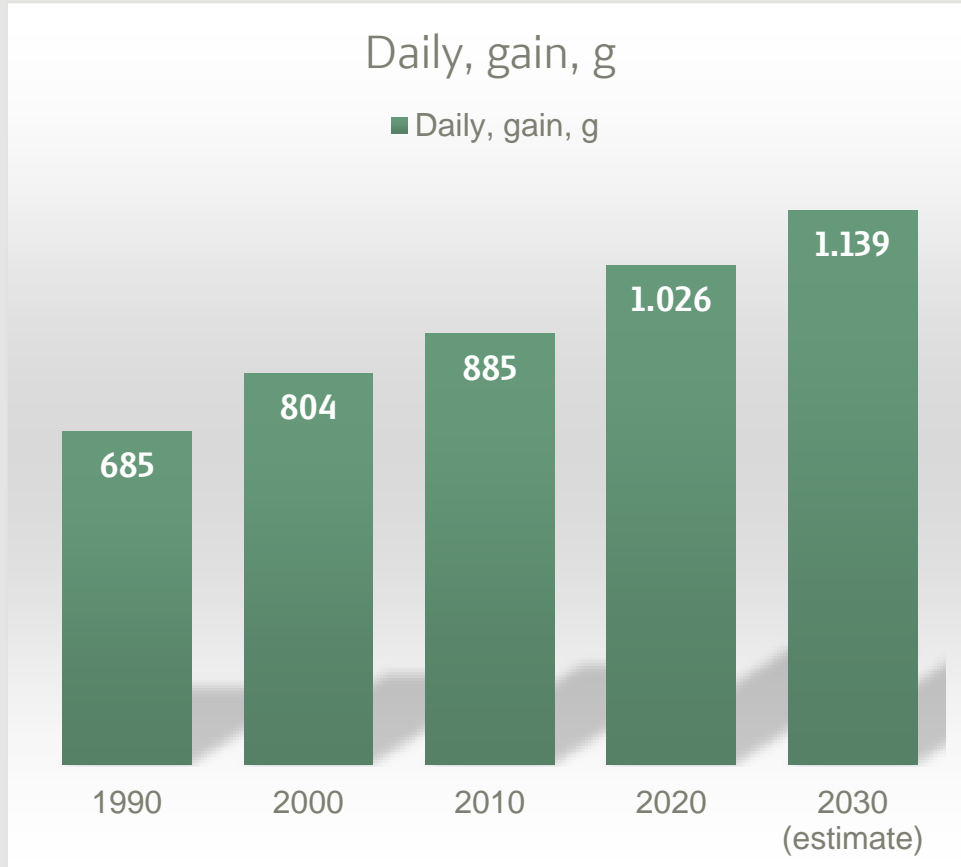
Italy

Switzerland

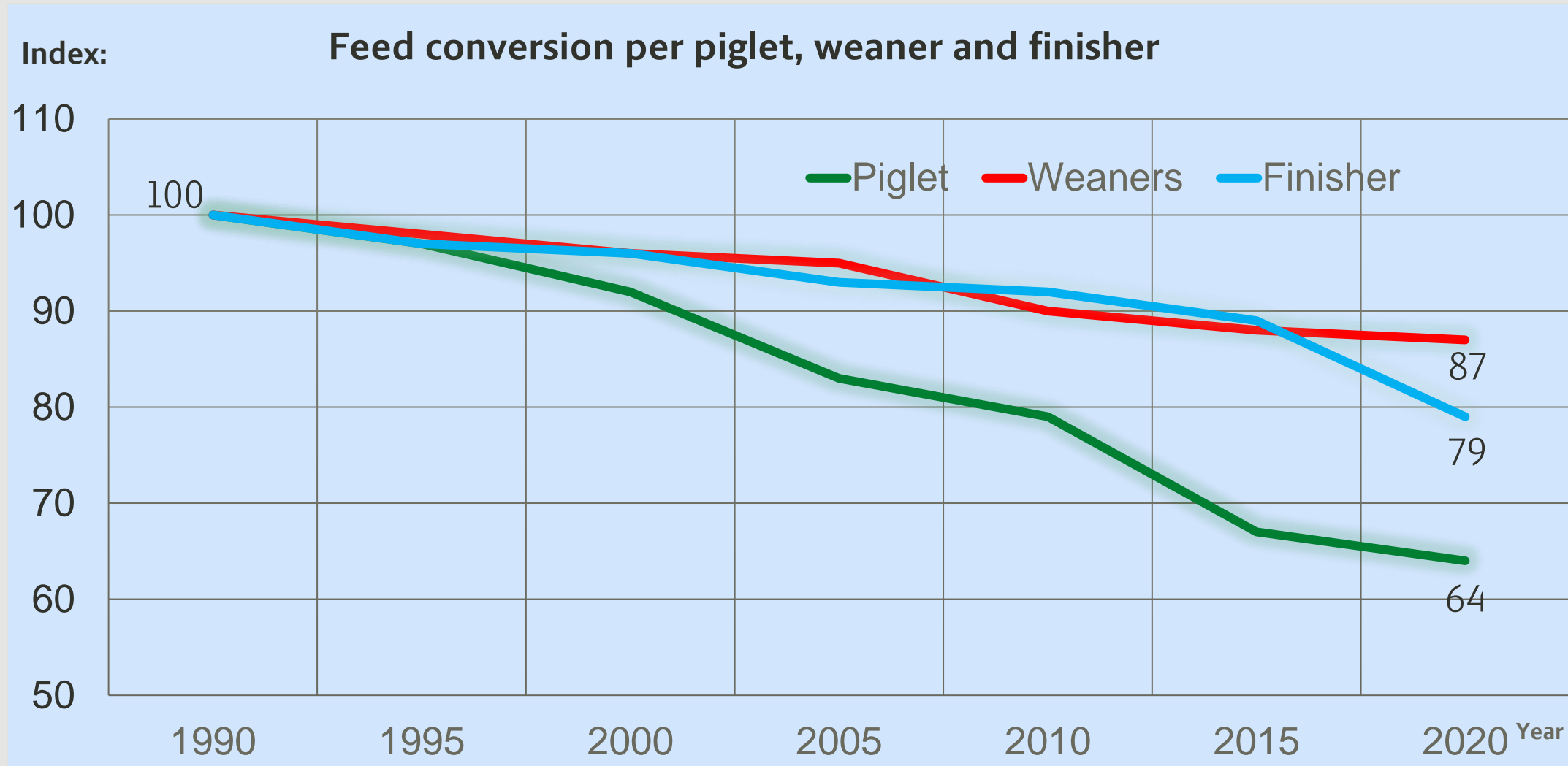
Thailand

Australia

Productivity, Finishing pigs 31-115 kg



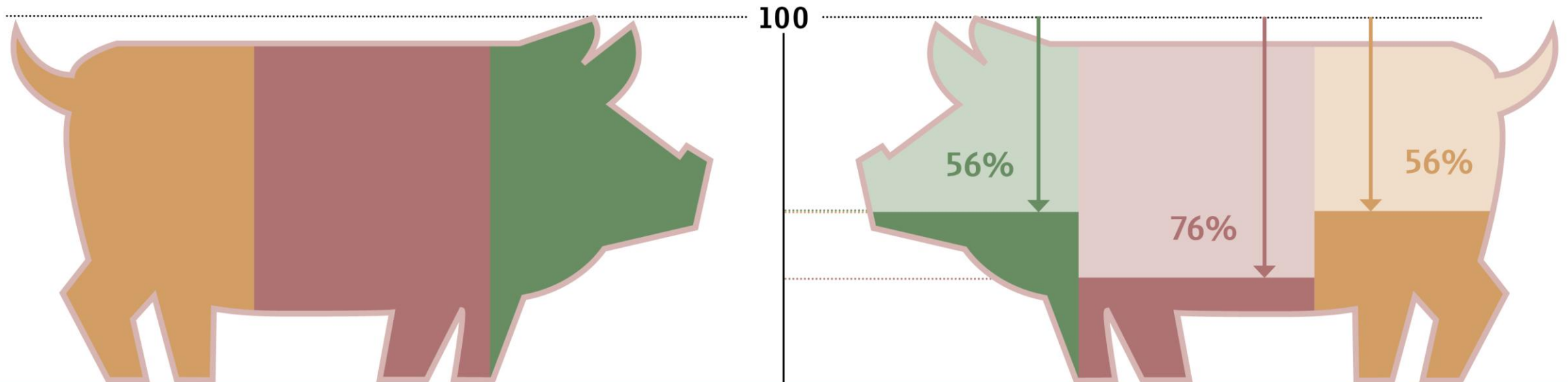
Development in feed conversion to produce one pig from birth to slaughter, 1990-2020



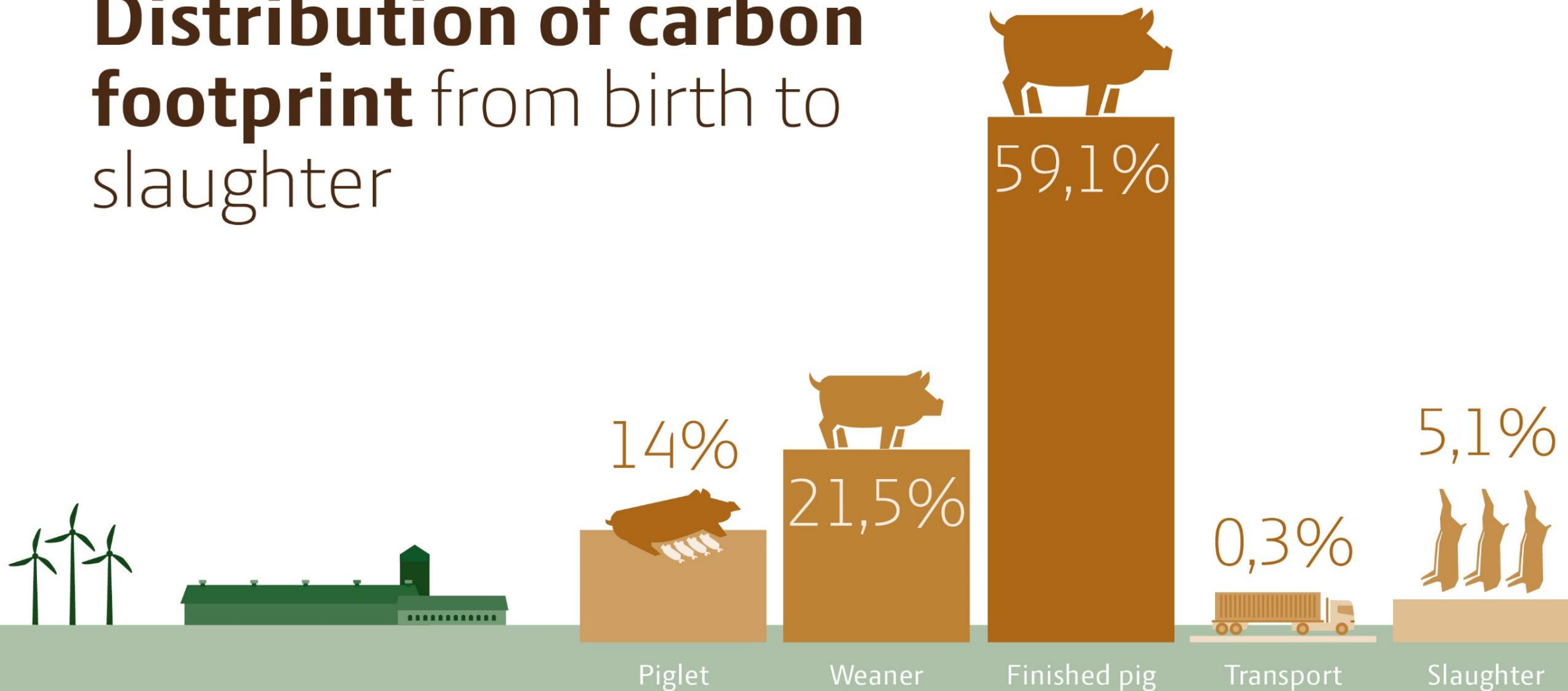
Emissions per kg pig meat 1985 - 2021

■ Nitrogen ex animal ■ Ammonia, housing and store ■ Phosphorous ex animal

1985 = Index 100



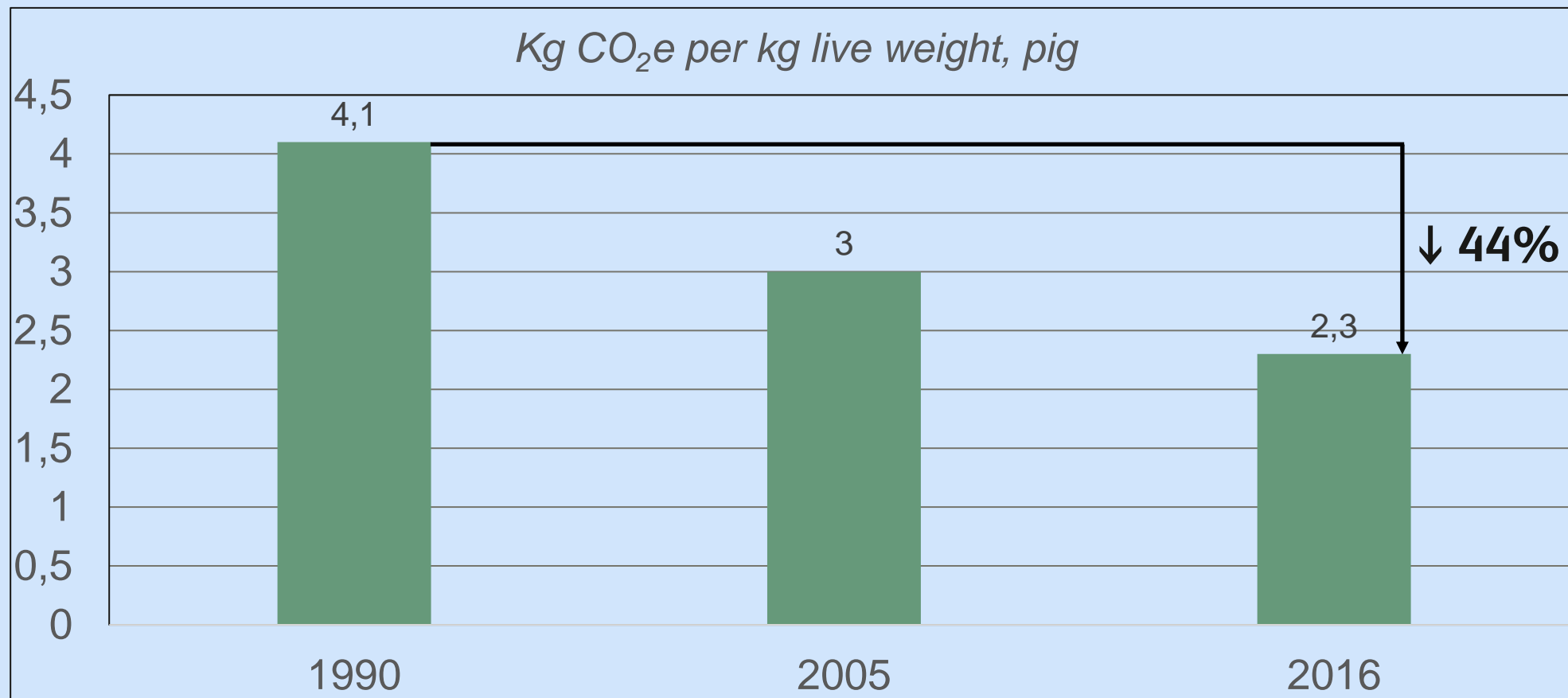
Distribution of carbon footprint from birth to slaughter



Reference: Andersen H M-L, Mogensen L, Kristensen T. 2021. *Klima- og miljøpåvirkning ved produktion af grisekød – år 1990, 2005 og 2016.*

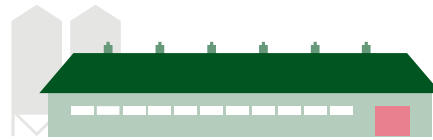
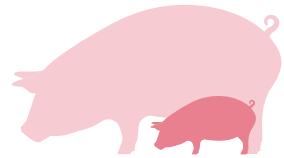
Pig production: Development in climate footprint 1990-2016

(born to slaughter, kg live weight)



Tools for the Danish pig production

- The national Danish climate acts is reduction by 70% in 2030 compared to 1990.
- Reduction target for the agricultural and forestry sector of 55-65% in 2030 compared to 1990.
- There is a plan for reduction of the climate impact of the agri-food-sector.
- Danish animal production will have a climate tax in 2030.
- The plan for Danish Pig Production is presented below.

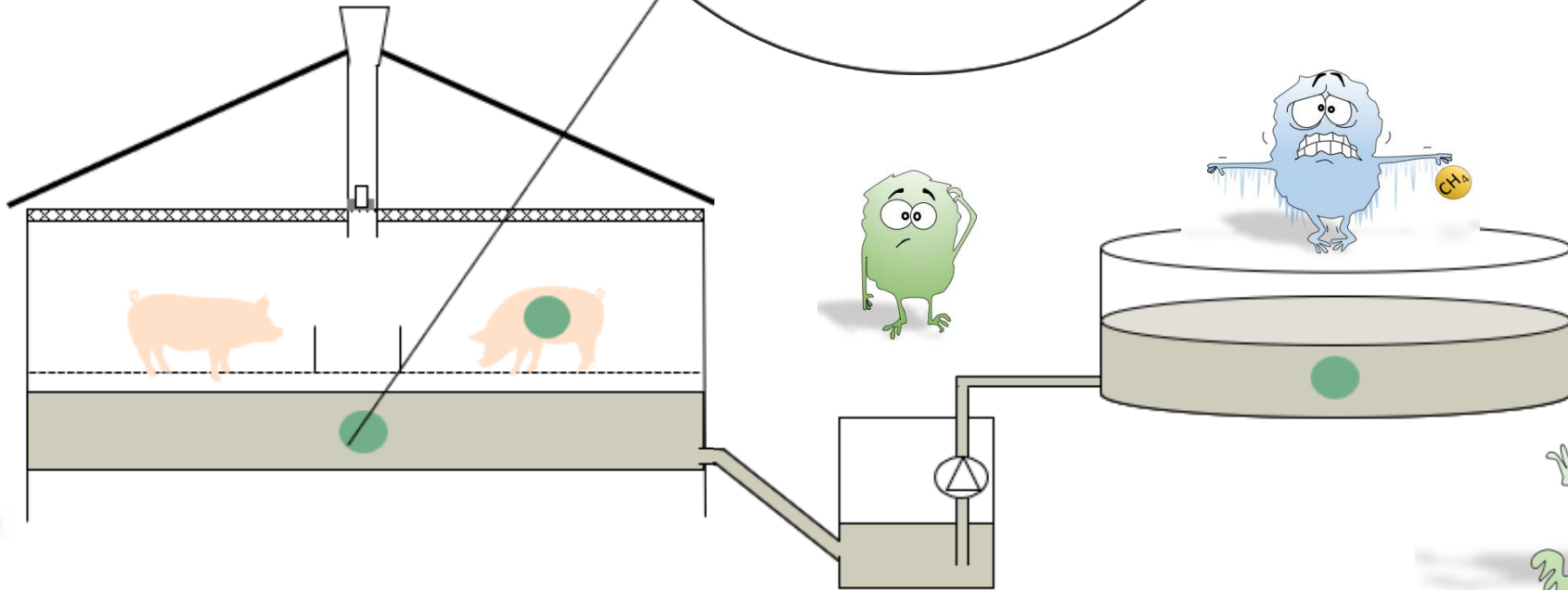
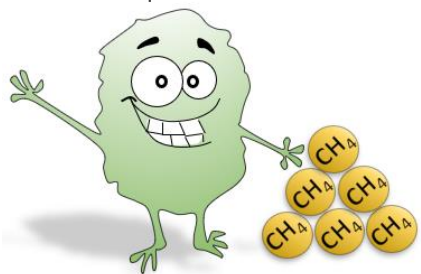
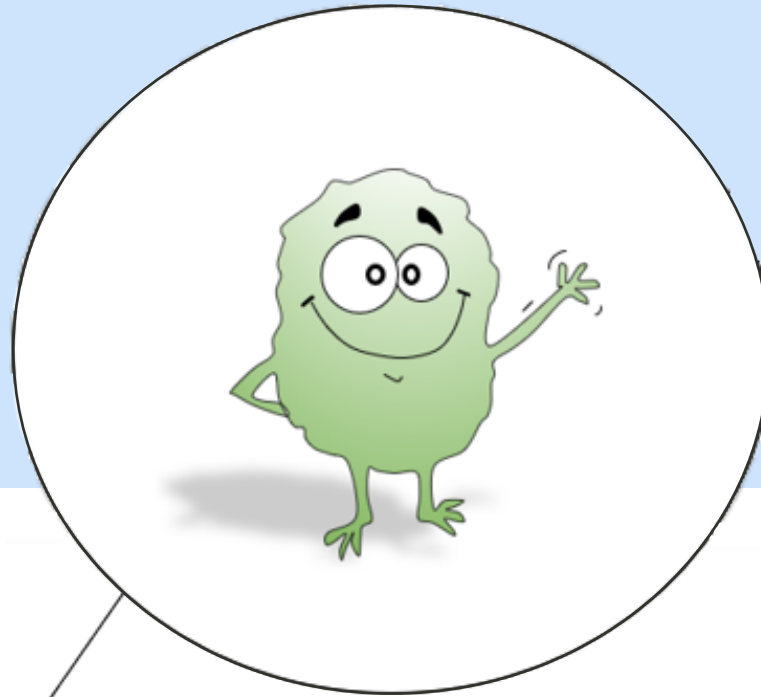
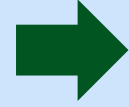


Climate technologies

- Breeding – efficiency in feed utilization and increase in lean meat.
- New climate technology reduced CO₂ primary by reduction of methane emission.
 - Manure handling
 - Manure storage outside the barn
- Latest technology in new stables.
 - Daily slurry flushing
 - Bio gasification & combustion
 - Acidification in slurry tank

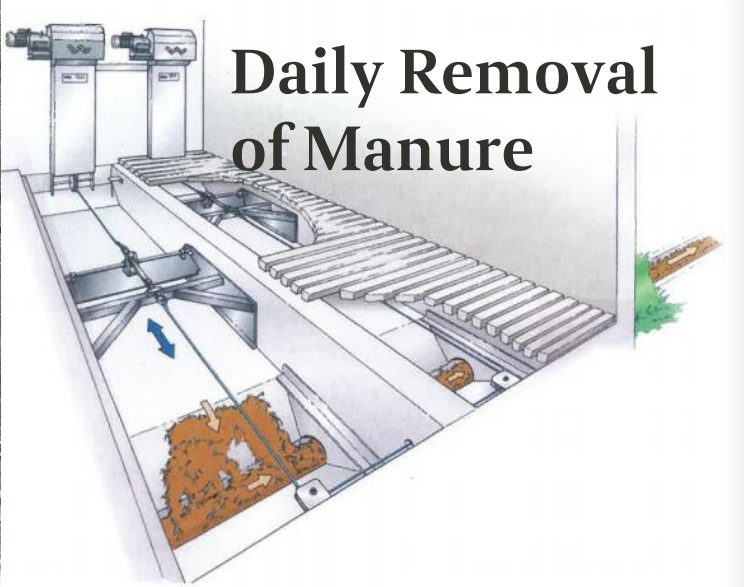


Removal of Manure reduction of methane





Acidification in manure storage



Daily Removal of Manure



Bio gasification



Combustion (burning methane)

FOTO: DANISH CROWN

**This was just a small introduction to the
Danish way.**

**I am looking forward to the next two days -
all the knowledge we are going to share.**

Welcome to all of you!