



Livestock production for tomorrow.

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Livestock Production for Tommorrow

- 2050 9.2 billion people with increased buying power
- Increased demand for animal products (200 %)
- Only one planet
- So production has to rise, but at the same time we need to overcome new challenges.

Challenges I

- Positive environmental impact (soil, water, air)
- Face the effect of livestock production on global warming
- New demands for healthy food – but strong competition from producers and production chains worldwide
- Emergence of new animal diseases which can also be a menace for human health

Challenges II

- Livestock production and rural development
- Consumer interest in product quality and production systems - civil demands on animal welfare
- Changing Common Agricultural Policy (CAP)
- Ethical discussions on new technologies that become available

Warming potential of GHG

(compared to CO₂)

Gas	Warming potential
Methane	23
Nitrous oxide (Nox)	321

EU27 livestock production

(2007 - tec x 1000 - Source: EUROSTAT)

Production	tonnage	% of total	GHG emissions
Beef cattle	8156	15.4	Methane, (Nox)
Butter, cheese,	1947 (+132 Million litres	5.5	Methane, (Nox)
Sheep	1099	2	Methane
Pigs	22 876	43.2	NOx
Poultry	11 523	21.7	NOx
Eggs	7290	13.7	NOx

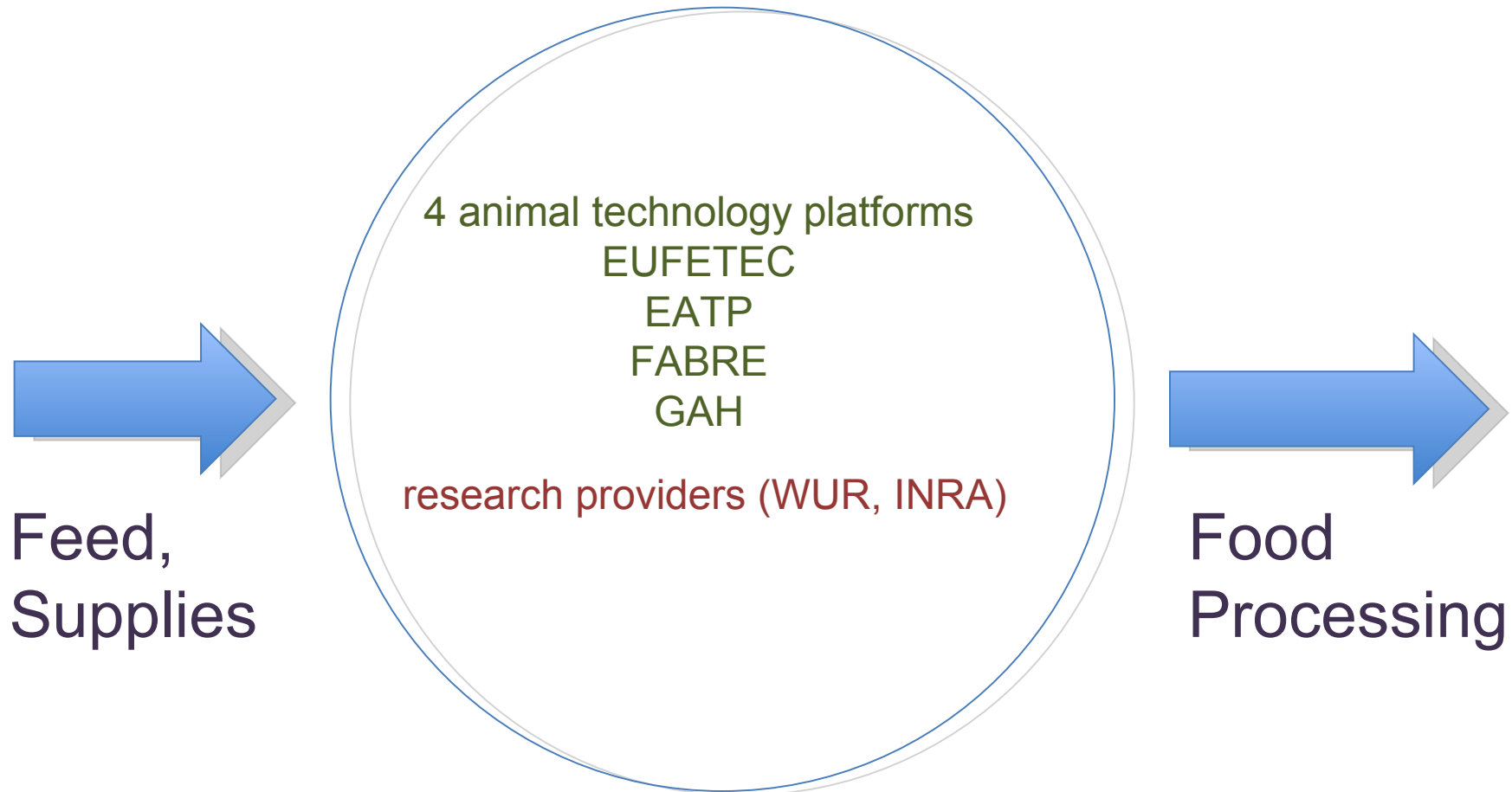
Livestock Production for Tomorrow

- All sectors need to improve their environmental footprint
- Pig and poultry production are priority sectors because they account for more than 70% of EU27 production and emit NO_x
- High-input milk production produces NO_x but pasture-based systems do not (no fertilizer input)

The way forward

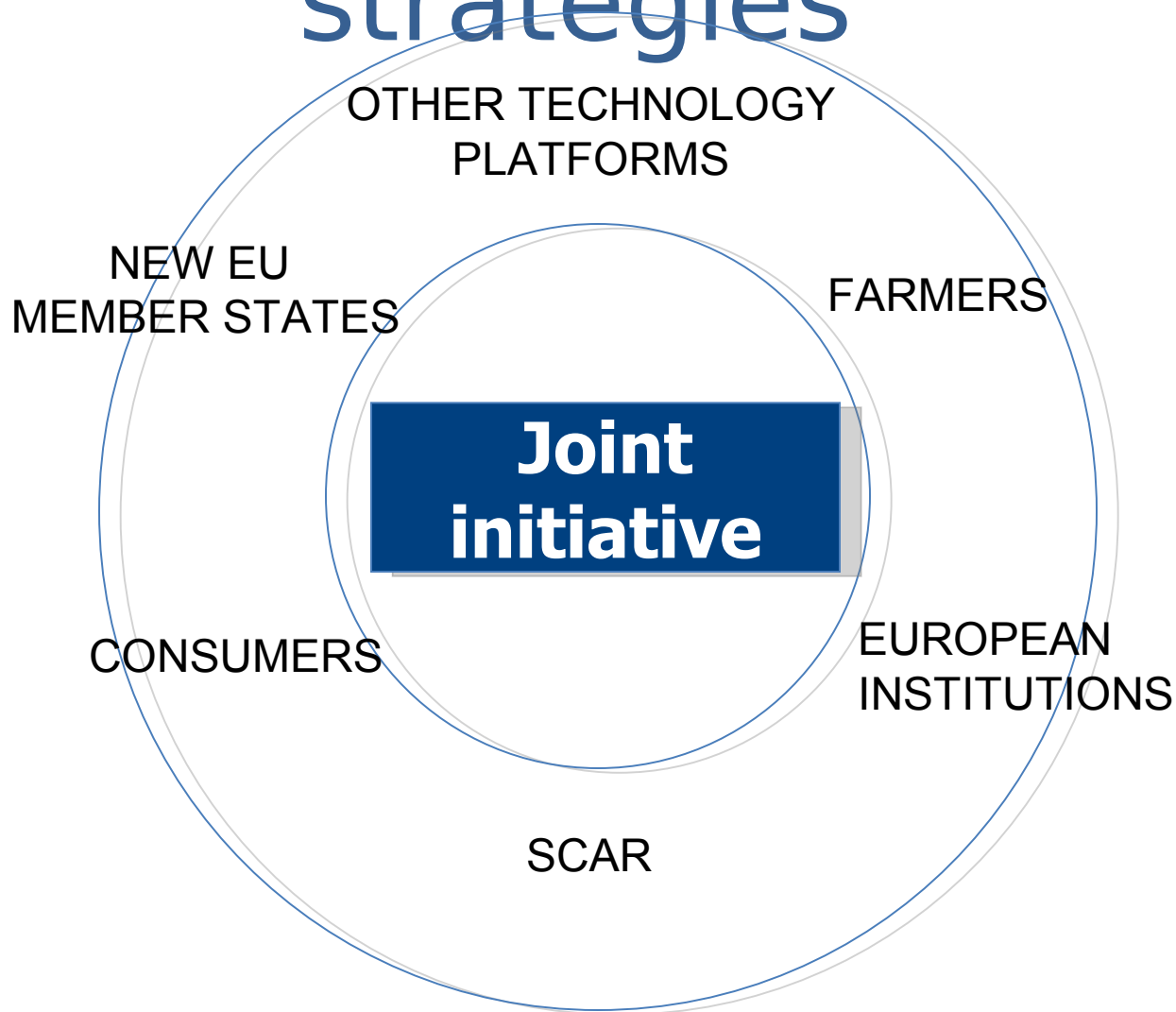
- Better in depth understanding of all processes linked to animal production
- At the same time, better understanding of the functioning of livestock systems (integrated)
- Develop innovations to organize an integrative approach in new systems
- Re-visit selection, define multi-

Reinforcing the food chain





Outreach to share skills and strategies



Thank you

