

The 75th EAAP Annual Meeting









Evolution of animal and meat research over the past 50 years

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Date: 2nd September, 2024







The new and important challenges (in livestock and meat sectors):

- **Food needs**: the need for increased production of animal products to satisfy the increasing human population;
- **Environmental requirements**: a lower footprint;
- **Societal expectations**: animal welfare and product quality





balance?

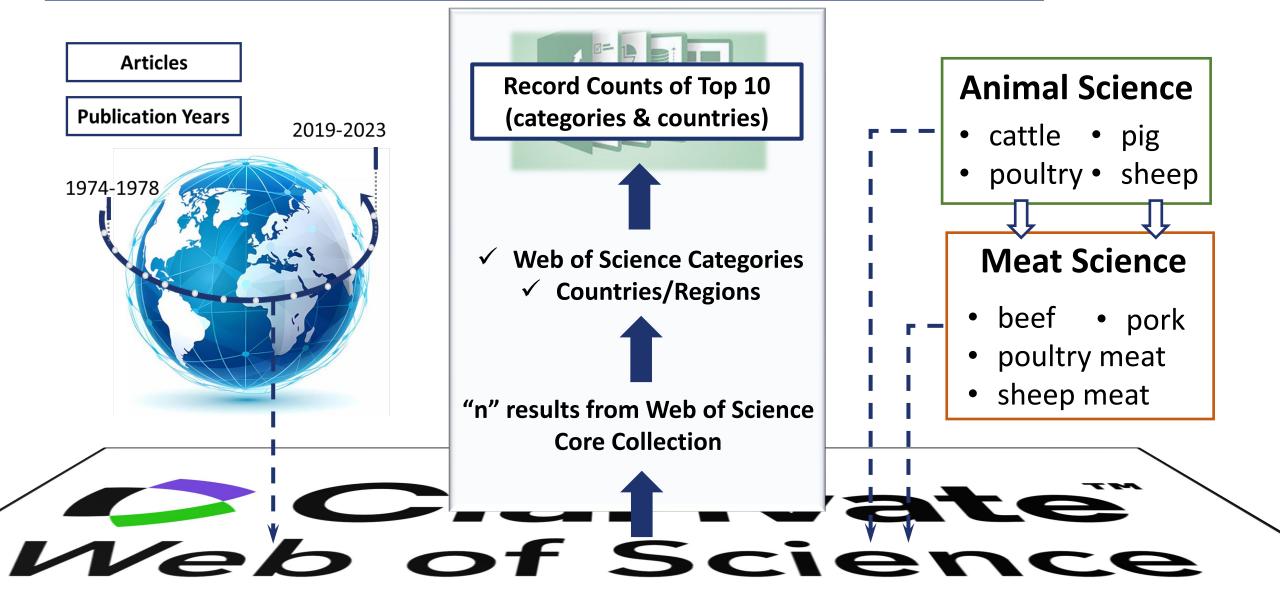
d over time?





Data Collection

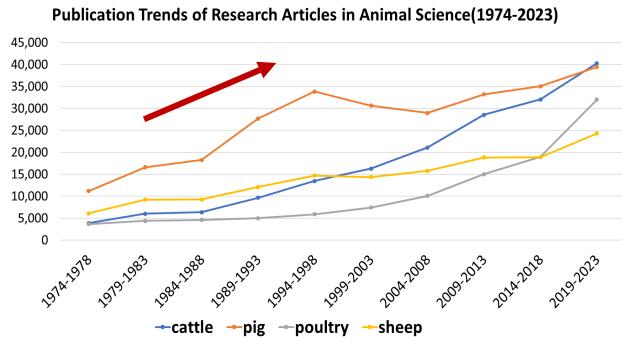


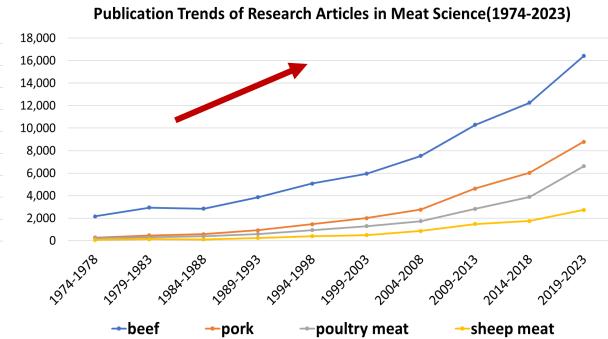




Results: Publication trends in all fields









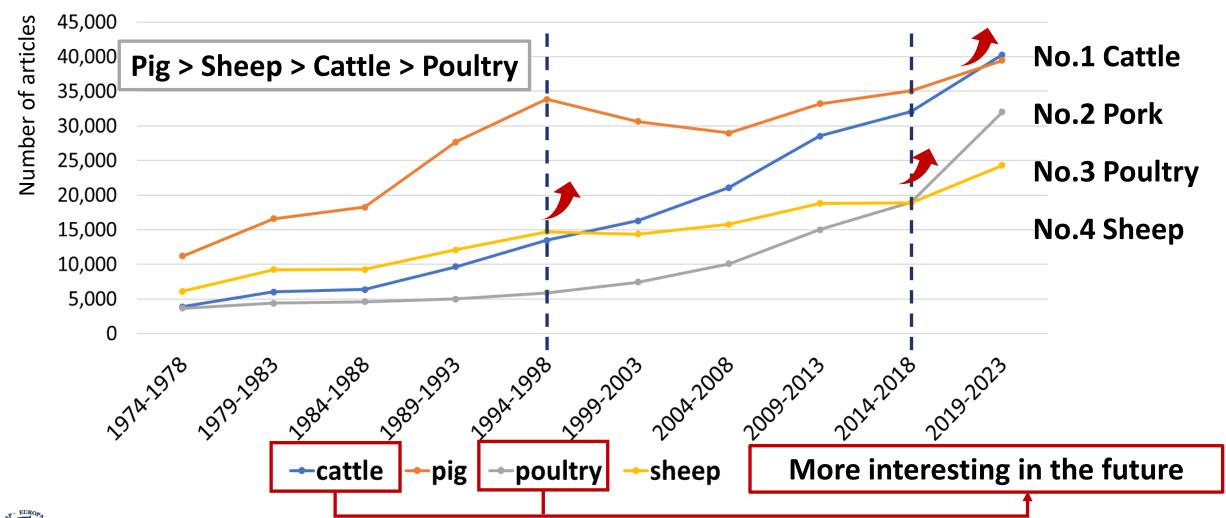
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Results 1.1: Publication trends in Animal Science



Publication Trends of Research Articles in Animal Science (1974-2023)

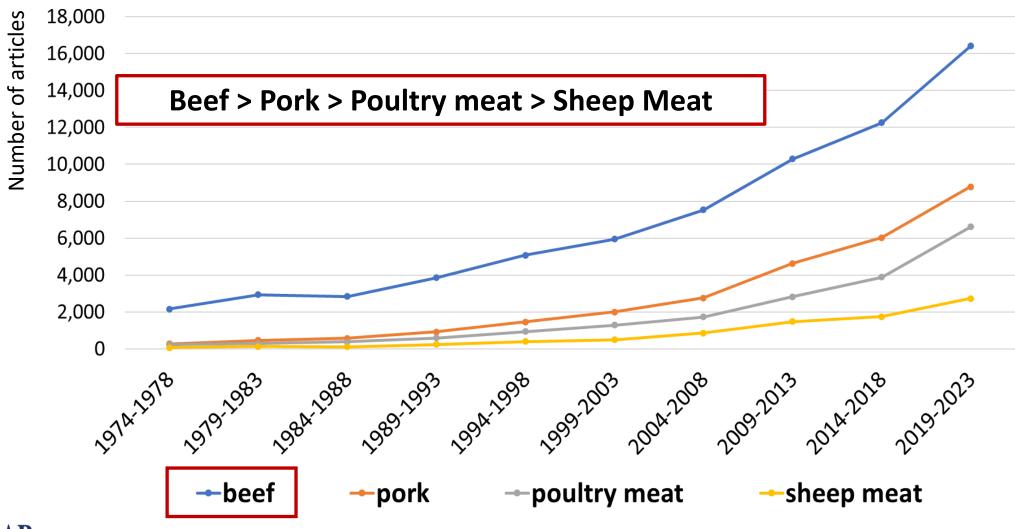




Results 1.2: Publication trends in Meat Science



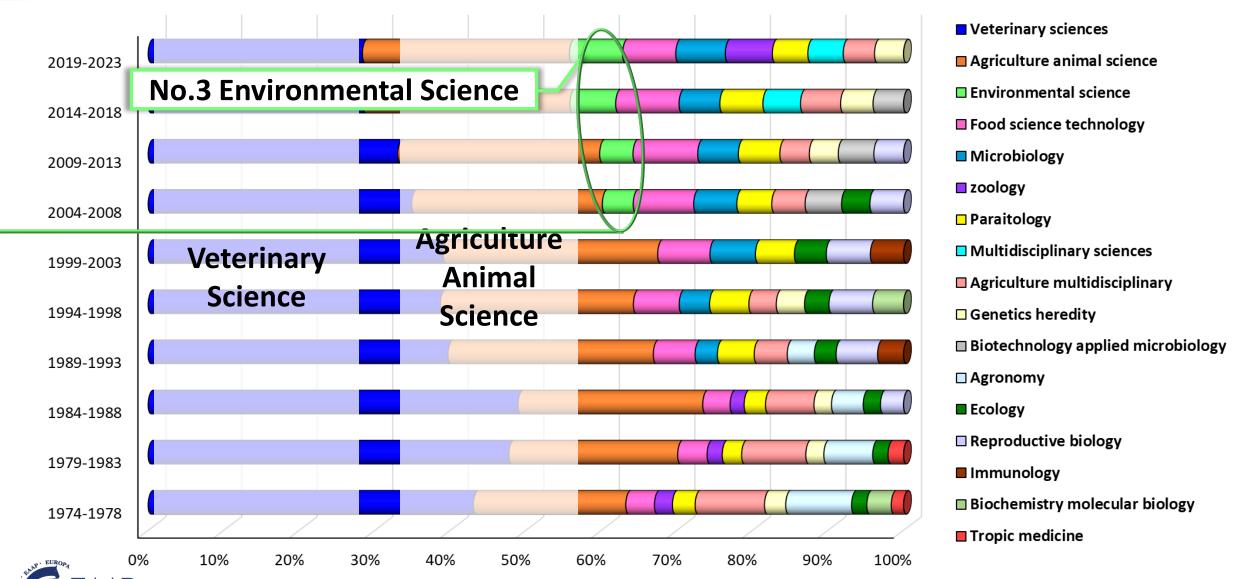
Publication Trends of Research Articles in Meat Science (1974-2023)





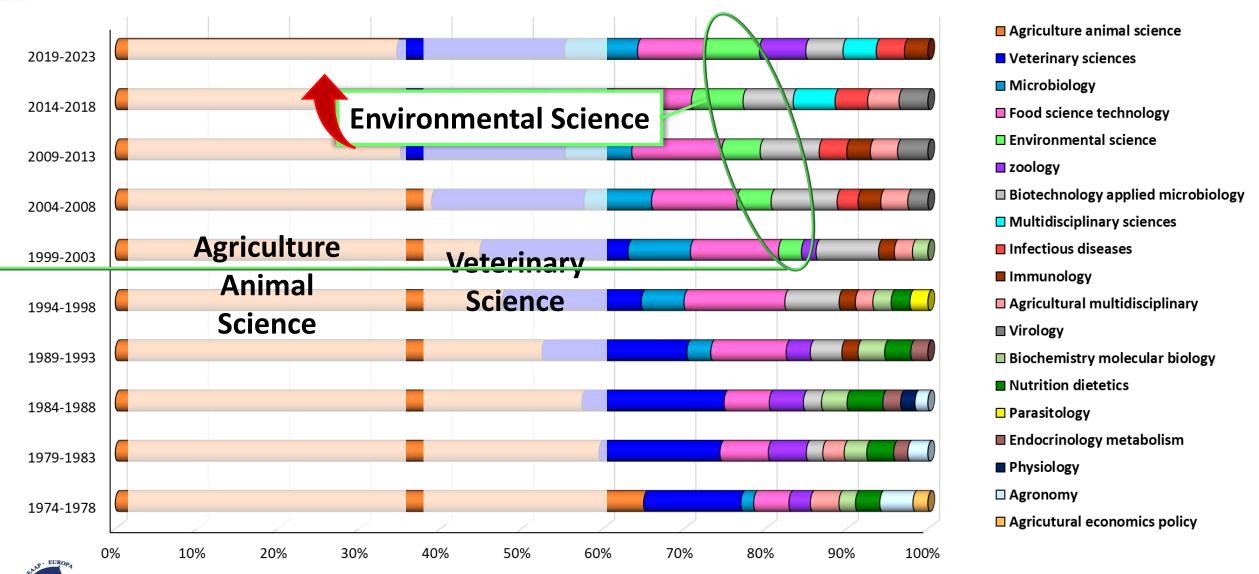
Results 2.1: Sub-topics in Animal Science (cattle)

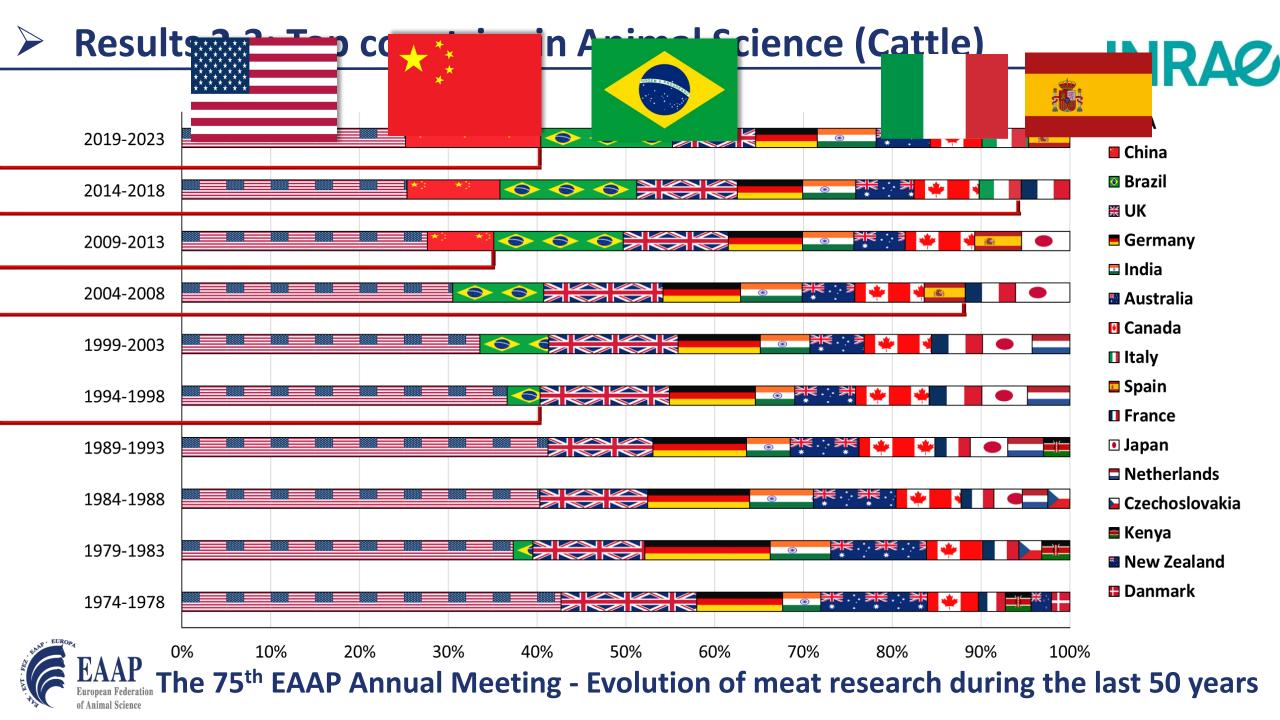


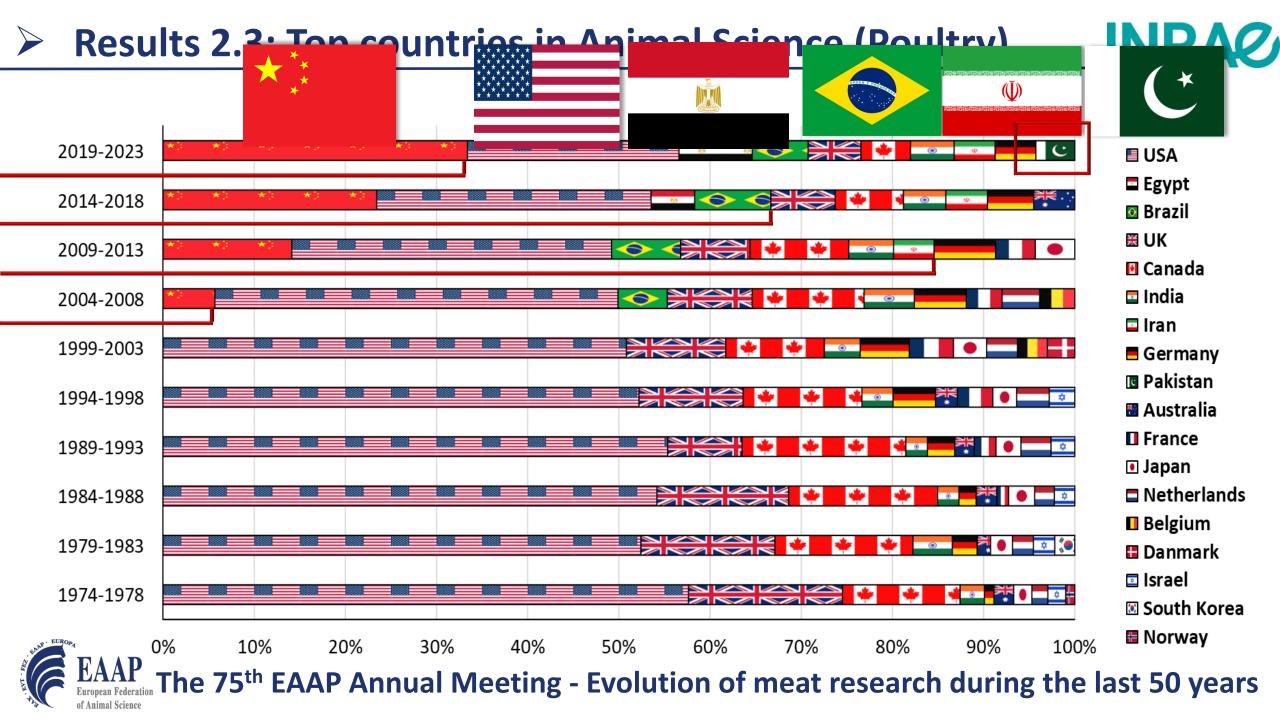


Results 2.2: Sub-topics in Animal Science (Poultry)



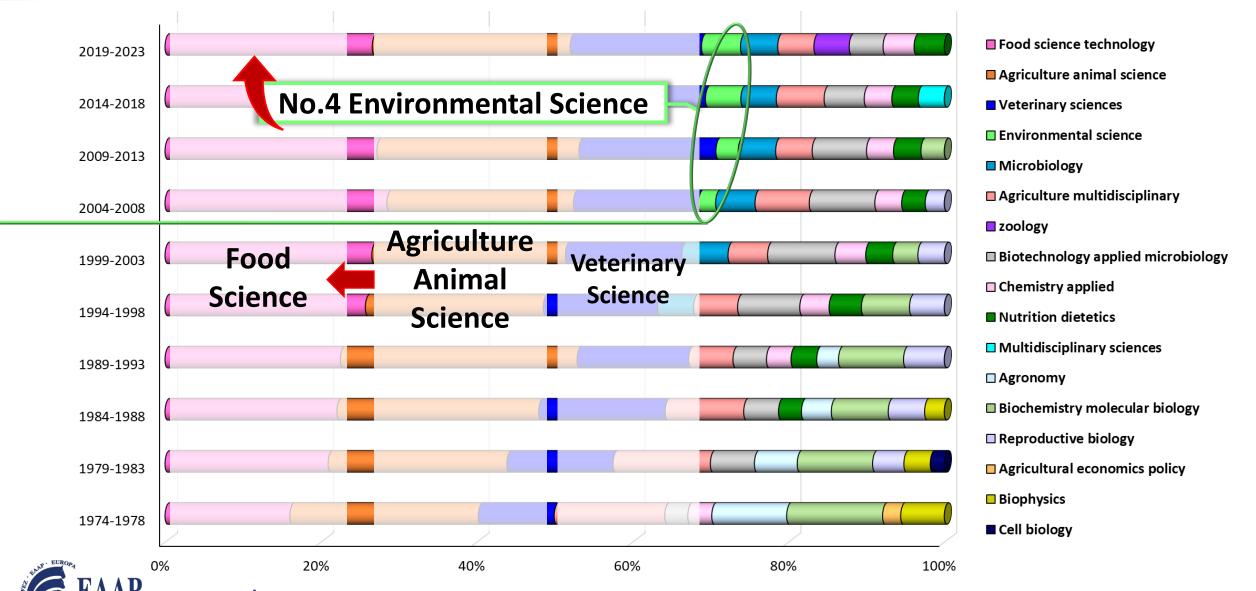






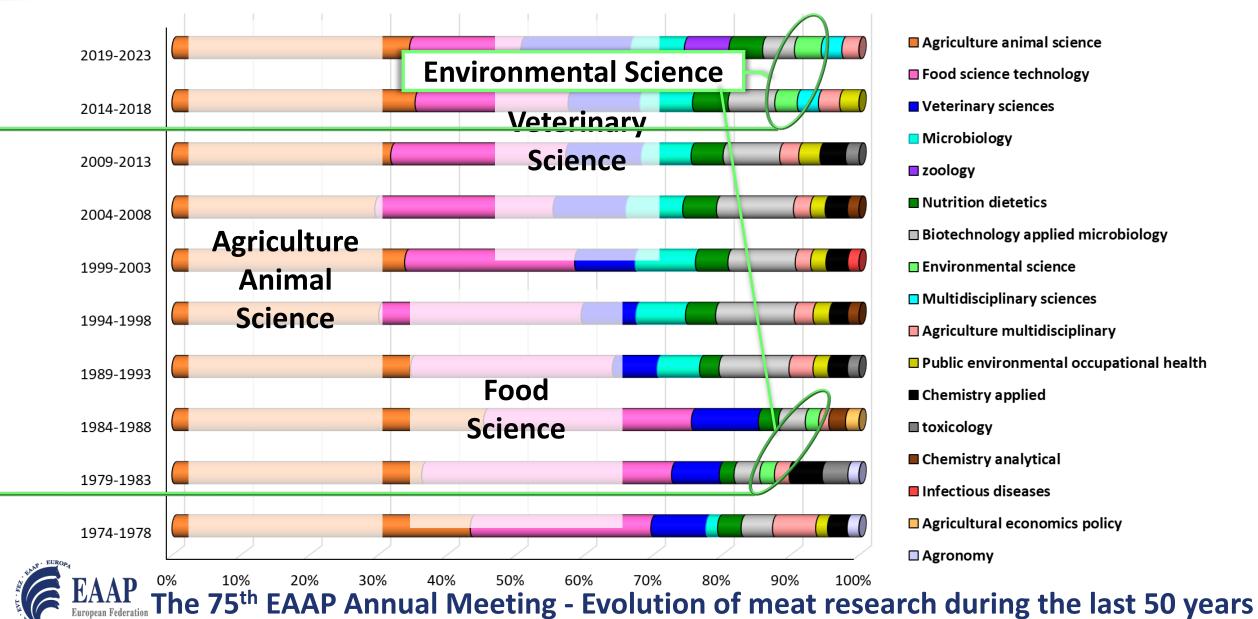
Results 3.1: Sub-topics in Meat Science (beef)

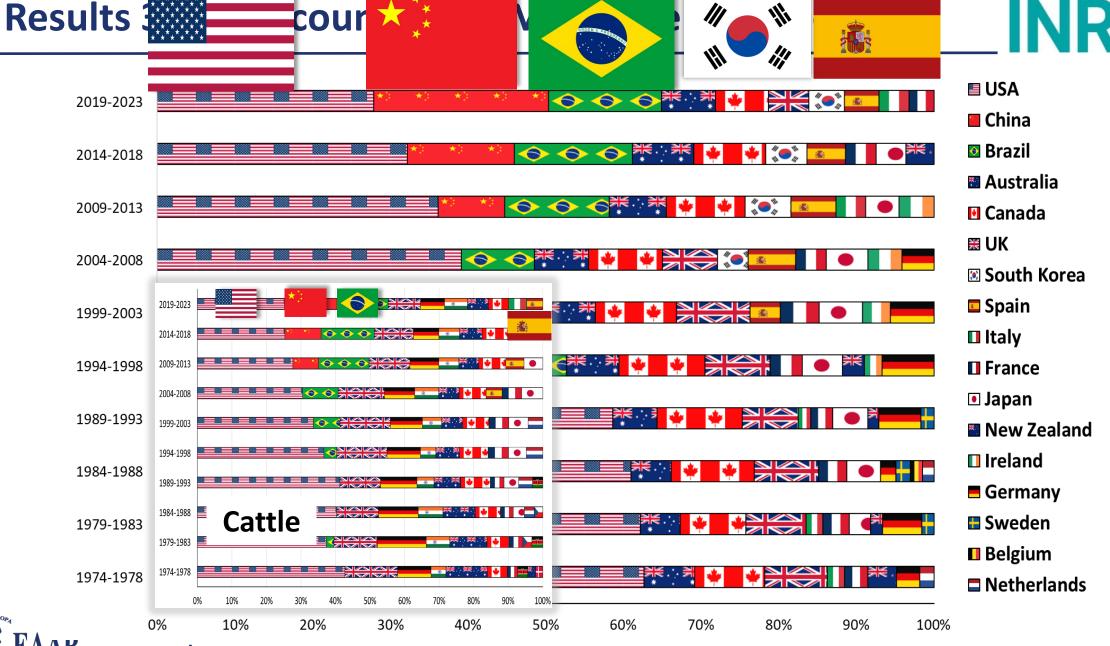




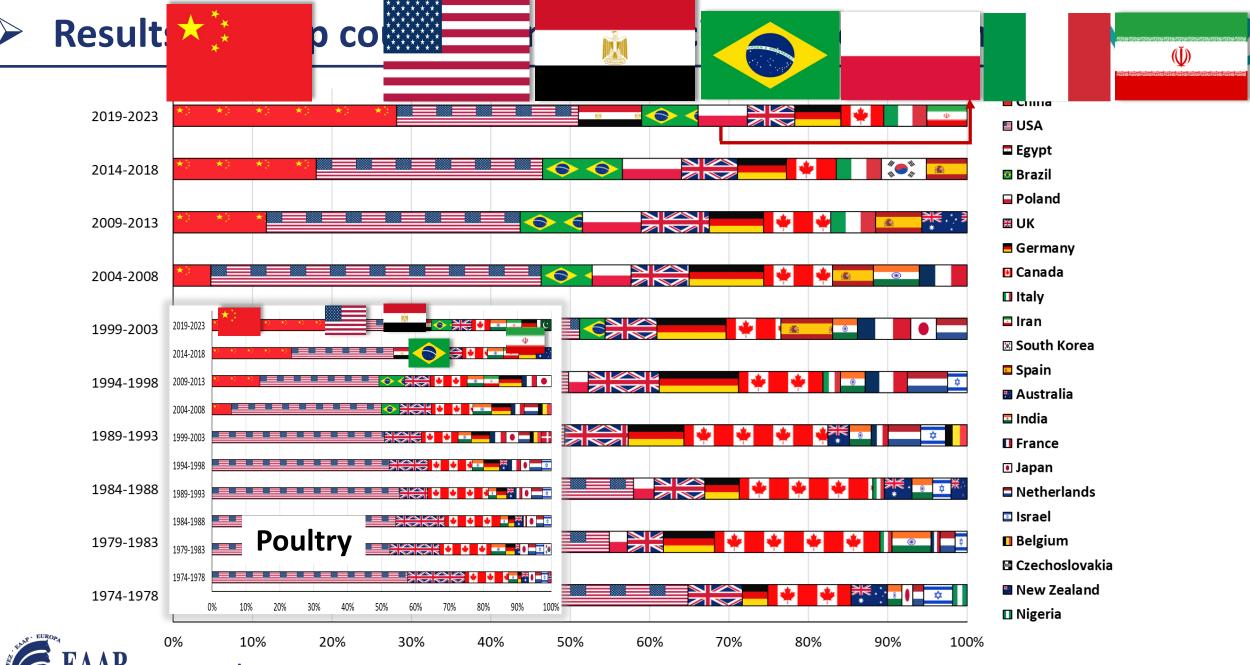
Results 3.2: Sub-topics in Meat Science (poultry meat)







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Conclusions





- Top research sub-topics:
 Veterinary science, Food science, Agriculture animal science
- > Emerging trends: Environmental science

Balanced and Sustainable development within a global innovative framework (++ developing countries)

- United States maintains a leading position
- > China's research has advanced rapidly and rivaling the US since 2019-2023
- > Brazil has shown a substantial increase over the past 20 years





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Thanks for your attention!

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Results:



Field	Sub-topics			Countries		
	No.1	No.2	No.3	No.1	No.2	No.3
Pig	Veterinary Science	Agriculture Animal Science	Microbiology	China	US	Germany
Sheep	Veterinary Science	Agriculture Animal Science	Zoology	China	US	Spain
Pork	Food Science	Agriculture Animal Science	Veterinary Science	China	US	Brazil
Sheep meat	Agriculture Animal Science	Veterinary Science	Food Science	China	Australia	Brazil

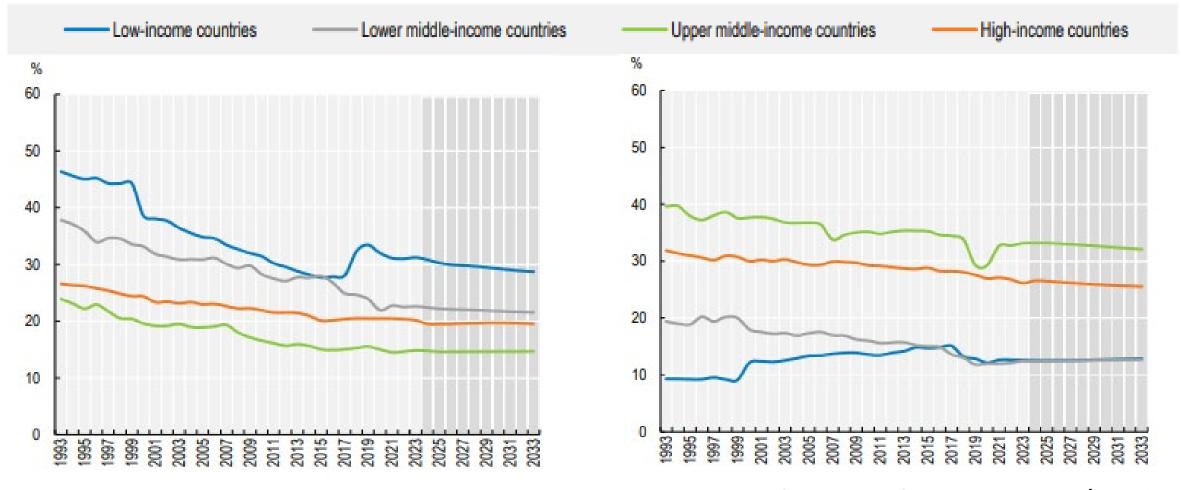


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Share of proteins in total meat consumption





Share of protein from beef/total meat protein

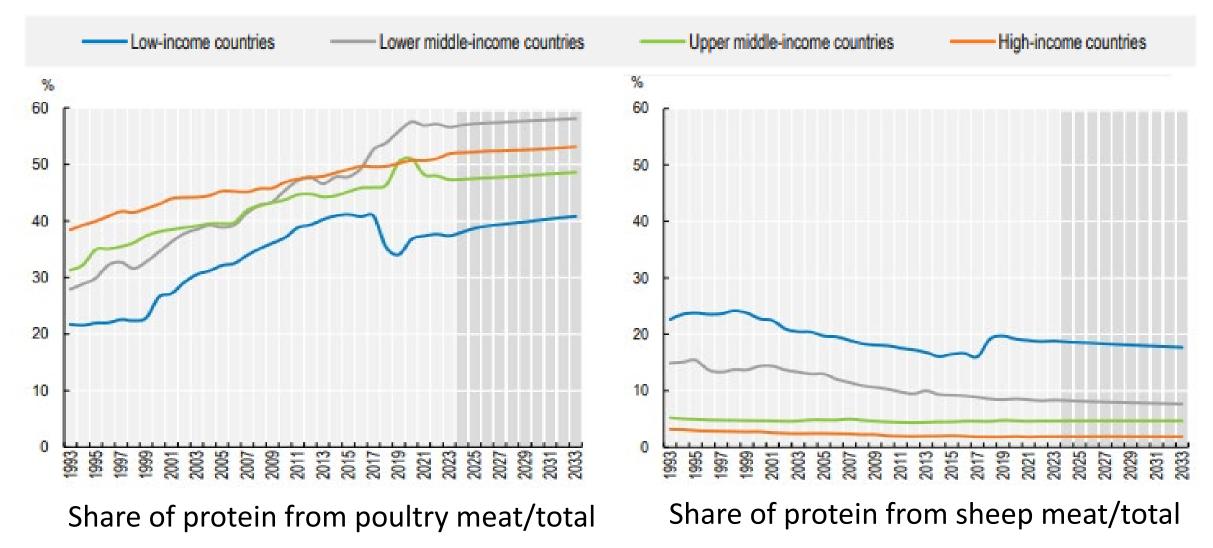
Share of protein from pig meat/total





Share of proteins in total meat consumption



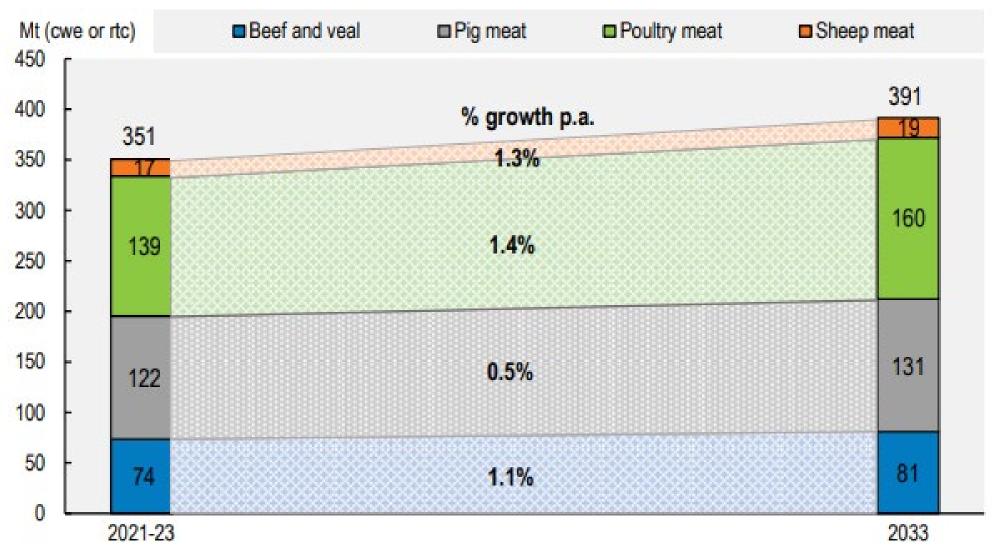






Growth of meat production by meat type



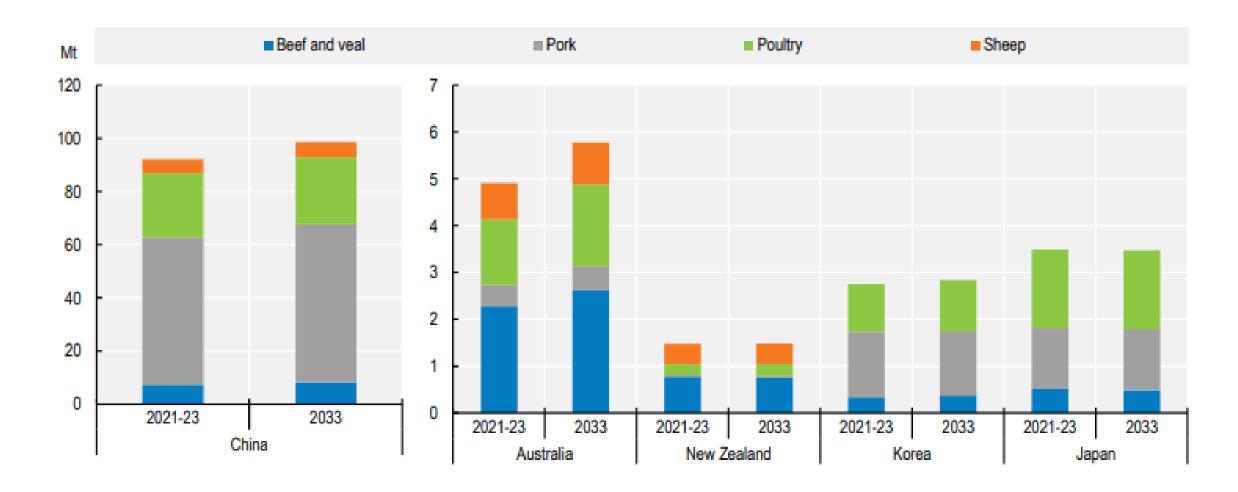






Livestock production in Developed and East Asia



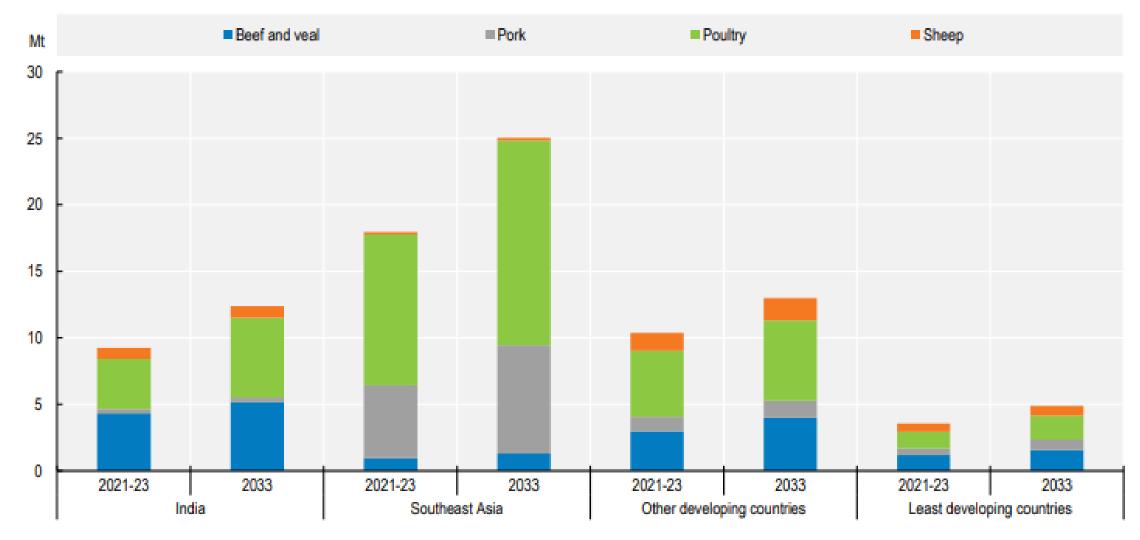






Livestock production in South and South-east Asia



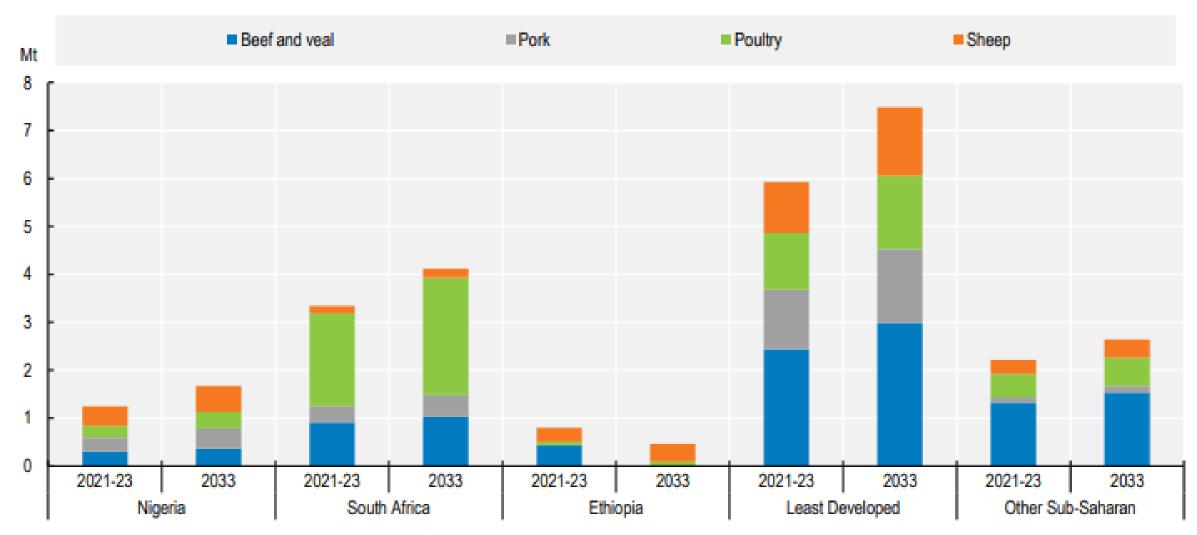






Livestock production in Sub Saharan Africa



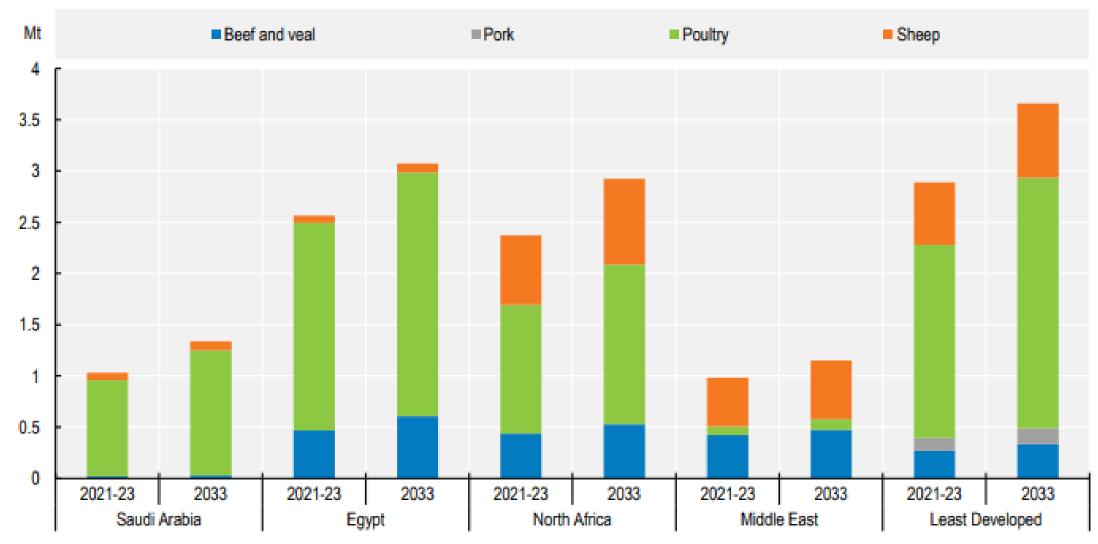






Livestock production in Near East and North Africa



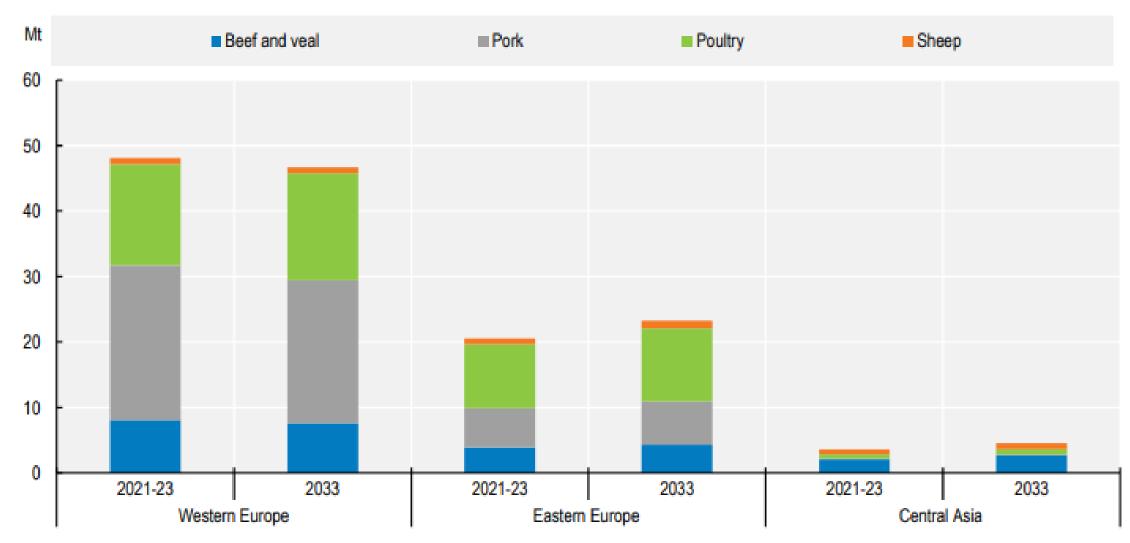






Livestock production in Europe and Central Asia



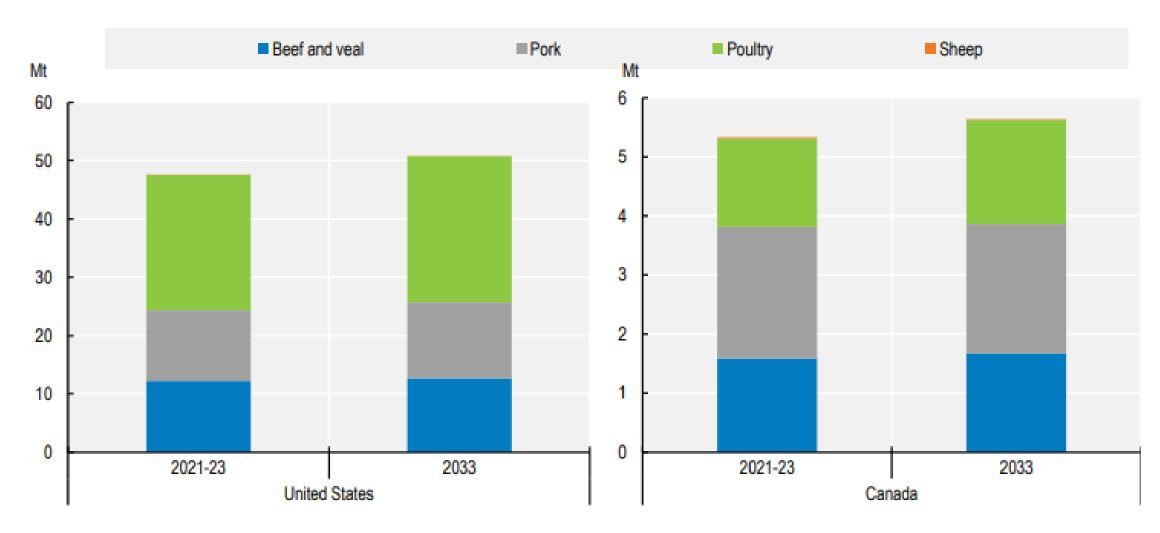






Livestock production in North America

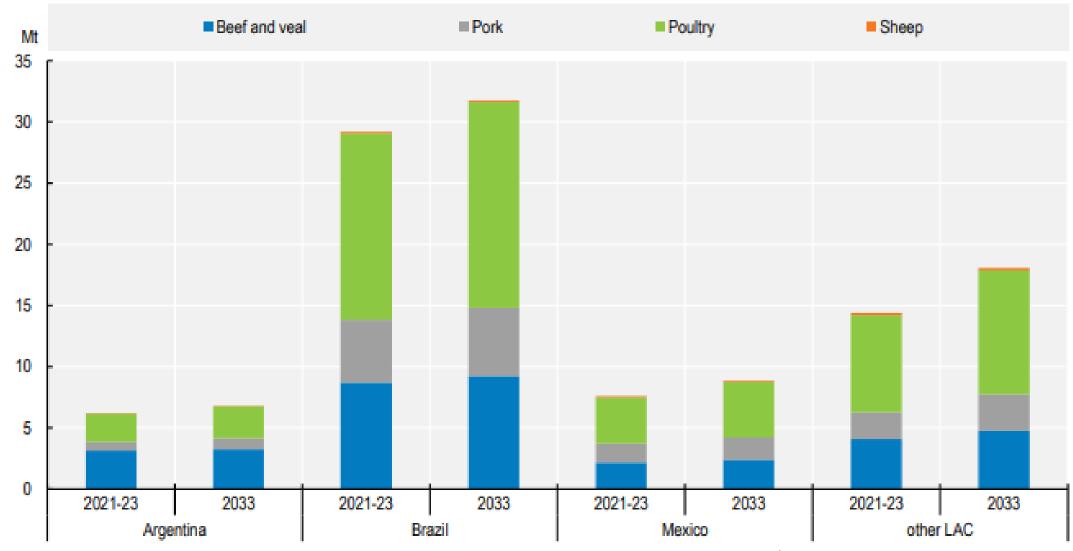






Livestock production in Latin America and the Caribbean $\mathbb{N} \mathbb{R} \Delta \mathcal{O}$







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