



# EAAP 2018

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## The Spanish dairy sheep breeds face new challenges on Mediterranean area

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# Sheep production in Spain

16 million heads  
(19% of EU population, 2nd after UK)

Dairy	
	% (Spain)
Number of ewes	20%
Final livestock production value (%)	3.3
	<b>% (Europa)</b>
Milk (l)	25% (1st)
Cheese (kg)	35% (1st)

# Diversity of conditions, breeds & systems



Grasslands



Mountains



Indoors



Cereal-stubble



Crops



# Dairy production

## ➤ Local breeds

Latxa and Carranzana



Churra and Castellana



Manchega



## ➤ Foreign breeds

Assaf



Lacaune



# Farming systems

	Latxa	Manchega	Churra	Assaf	Lacaune
<b>Type o area</b>	Pastoral or mountain	Lowlands		Indoors	
<b>Reproductive strategy</b>	1 lambing / year	3 lambings / 2years			
<b>Lambing</b>	Indoors				
<b>Lactation length</b>	5-7 months				
<b>Milking period</b>	8 months	12 months			
<b>Milking</b>	Machine				
<b>Milk yield</b>	190 l/120d	194 l/120d	133 l/120 d	350 l /150 d	363 l /150 d
<b>PDO Cheese</b>	Idiazabal and Roncal	Manchego	Zamorano	-	-

# Classical concerning aspects

## Genetic

Selection on pure breed consolidated  
Main goal: Milk yield  
Other traits:  
Milk quality: fat & protein  
Udder morphology  
Scrapie

## Health

Compulsory programs  
Mastitis  
Blue tongue  
Respiratory problems

## Nutrition

Use of natural resources  
Alternative protein sources

## Reproduction

Factors affecting fertility  
Artificial insemination  
Natural mating

# New challenges

One health

Improving  
competitiveness

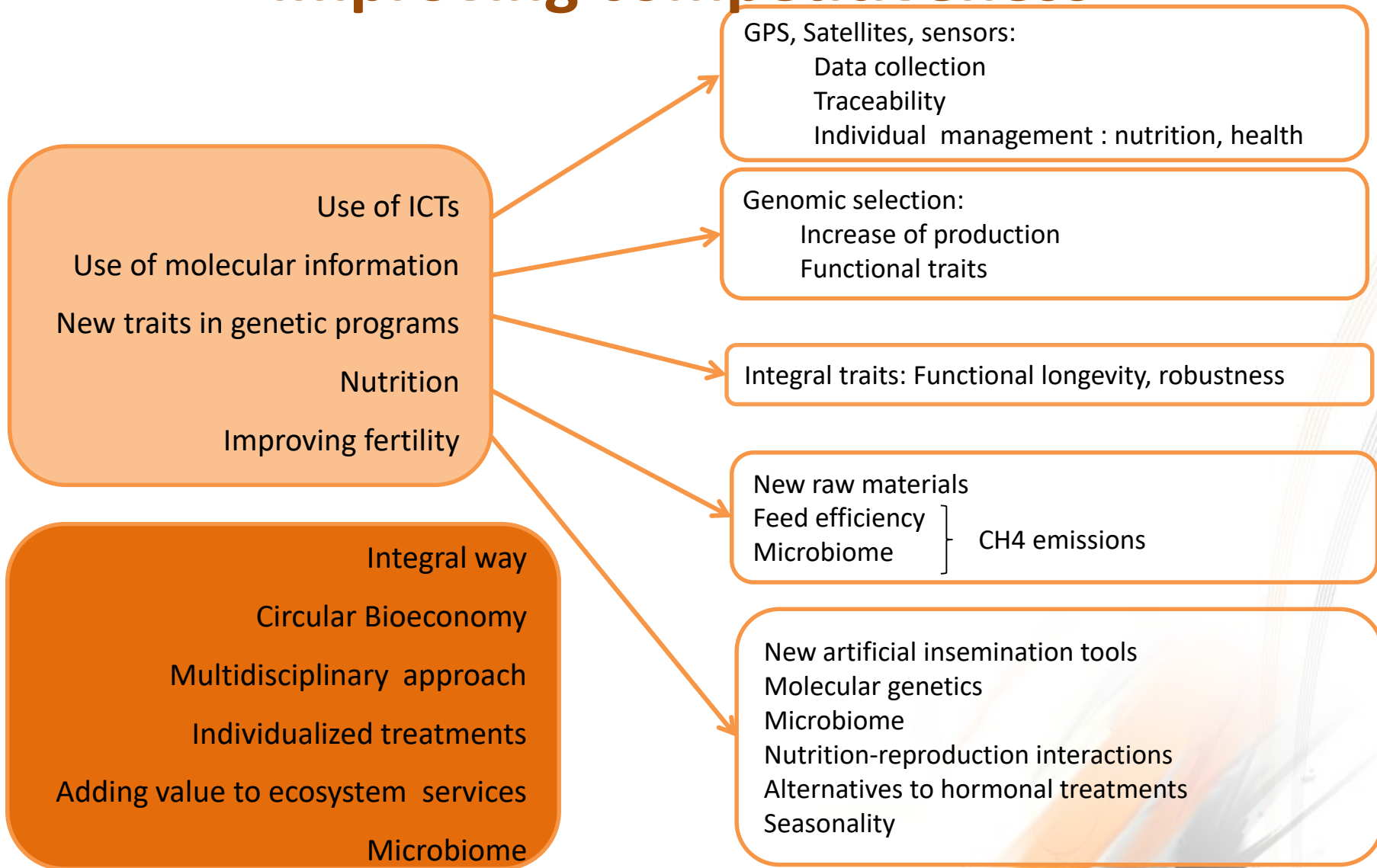
Climate change

Predators

Animal welfare

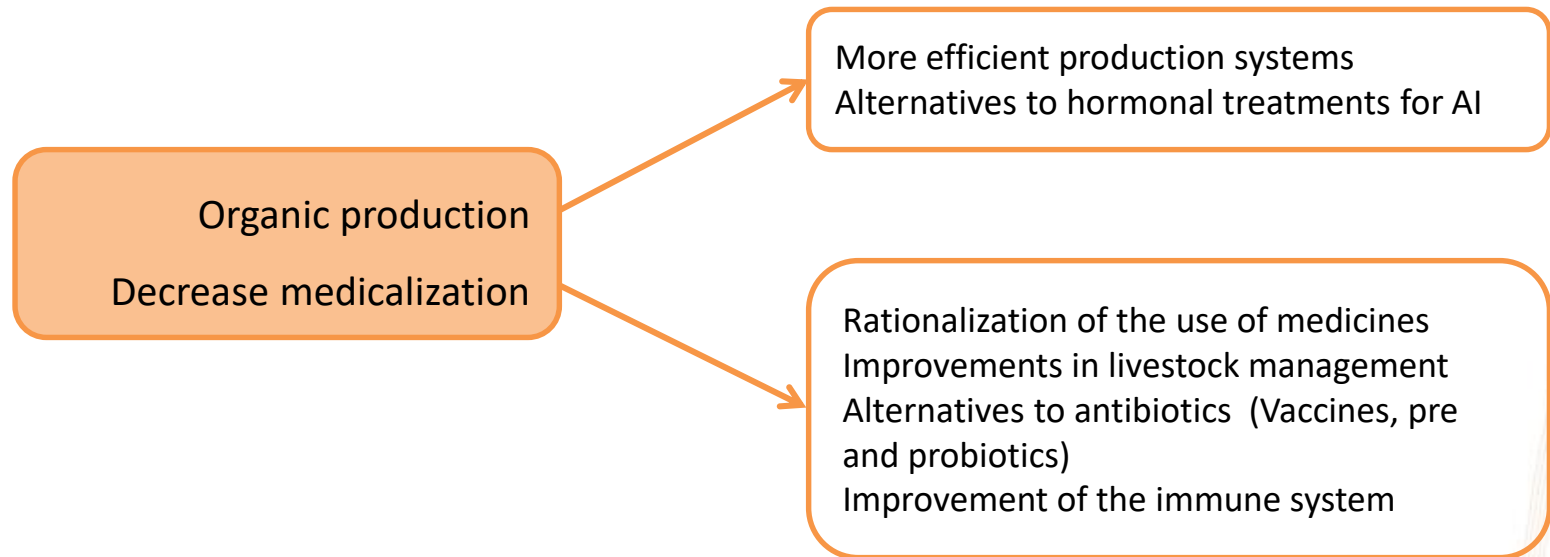
Generational turnover

# New challenges: Improving competitiveness

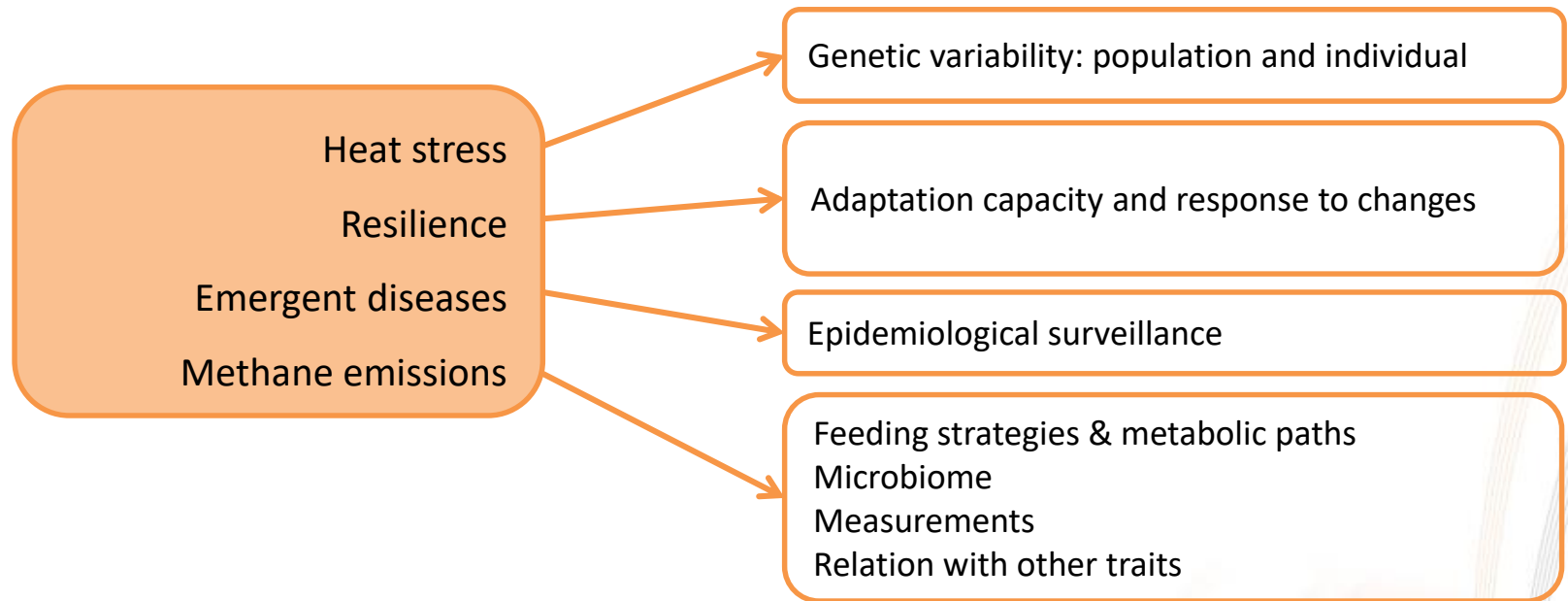




# New challenges: One health



# New challenges: Climate change



# New challenges:

Predators (**wolf**, bear, vulture)

Animal Welfare

Virtual fencing

Use of shepherd dogs /donkeys

Geolocation and monitoring

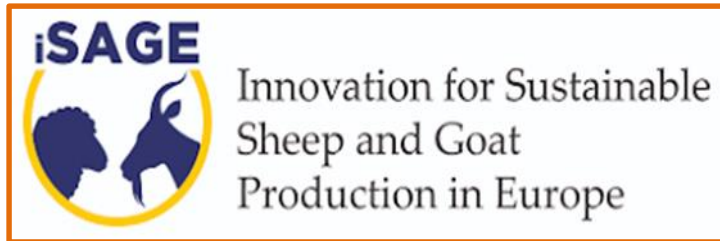
Environmental payment schemes

Indicators and assessment

Protocols for certification

Interaction with behaviour, production, health, reproduction

# Projects



GRUPO OPERATIVO REPROVI

ENCOMIENDA GENOMICA

Nuevo RTA

# RAZAS GANADERAS ESPAÑOLAS OVINAS



1. Atarfeña

2. Arvetana

3. Aronesa

4. Barrocin Du Chir

5. Caraca

6. Caraca de Pozo

7. Castellana

8. Castellana cara negra

9. Cienara

10. Castellana

11. Castellana negra

12. Chamaña

13. Chamosón

14. Chuna

15. Chuna Ladrera

16. Chuna Tenosa

17. Colmanesa

18. Patachuel

23. Landschaf

24. Lata cara negra

25. Lata cara rubia

26. Maellana

20. Guara

21. Suesca

22. Je de Franco

30. Merinoquina

31. Merina

32. Merina negra

33. Merina de Guadalupe

34. Merina Piacco

35. Moribana

36. Navera

37. Opatada

38. Ciega de Teruel

39. Palmera

40. Rasa Aragonesa

41. Ripollés

42. Rasa Mallorquina

43. Rasa Babiliana

44. Rubia de El Molin

45. Saal and

46. Segureña

47. Talavera

48. Xalda

49. Xiqueña

Thanks a lot