



# ANIMAL PRODUCTS AND CONSERVATION IN SPAIN

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**RED CYTED XII-H**

# CHANGES IN SPAIN

1950:

- Primary gross national product 22%
- Primary working population 50%
- High rates of emigration
- Underdevelopment



2009:

- Primary gross national product 3,3%
- Primary working population 9%
- High rates of inmigration(10%)
- Ninth economy of the world



# CHANGES IN THE SPANISH FARMING

1950:

- High genetic diversity
- Multifunctionality
- Escarse technological development
- Extensive, traditional or family systems



2009:

- High genetic diversity with incorporation of exotic breeds
- Especialization
- Good technological development but few R+D+i investment
- Polarization intensive vs. extensive

# PRESENT CONTEXT

Competence by water with other sectors

Competence with other sectors by land

Expensive prices of the energy

No generational replacement



Expensive prices of animal foods

Control of primary prices (Inflation, VAT)

Undercapitalization  
And financial crisis

GATT agreements:  
GLOBALIZATION



# ¿What is hapening in Europe?

- The European policy of rural development goes to death by successes which first face are the excedent. Undoubtedly a market reason has been the responsible of the new conservationist and environmentalist orientations stimulating the revision of the CAP known as “environmental cosmetic solution”. (González y cols., 1999)

FUTURE  
DISCONNECTION OF  
SUBSIDIES

ULTRAIINTENSIFICATION

PRODUCTIONS OF HIGH  
ADDED VALUE

# COMPETITIVE ACTIONS

## HIPERINTENSIFICACION:

- Concentration of census and capitals
- R+D+i
- Competence in prices
- Agro business commercialization

## PROTECTION OF TRADITIONAL LOCAL SYSTEMS:

- Use of local products protection figures (high added value)
- R+D+i
- Competence in quality
- Short channels of commercialization, local consum and commercialization.

# PRODUCTS OF HIGH ADDED VALUES

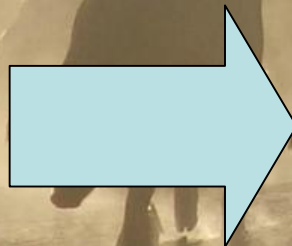
MARKET	CATEGORY	OBJECTIVES	CONSUMERS
Quantitative	----	Protein demands	-All
Qualitative	Guarantee of origin and quality(CEE 2081/93)	Taste and cultural aspects	- Mean-high adquisitive power
	Protected Geographical Indication (CEE 2081/93)	Taste and cultural aspects	-Mean-high adquisitive power -Local consumers
	Quality Mark	Food security	-Mean-high adquisitive power
	Organic foods (CEE 2092/91)	Health and environmental respect	-Convictions - Mean-high adquisitive power



# ¿How can we get high added value products?

## *We need:*

- *Adapted genotypes*
- *Sustainable management systems*
- *Diversity*



- *LOCAL BREEDS INTEGRATED IN THE CULTURE AND THE ENVIRONMENT*
- *TRADITIONAL MANAGEMENT SYSTEMS*



# Problems and solutions for the quality production

<b>PROBLEMS</b>	<b>SOLUTIONS</b>
Limited demands but increasing	<ul style="list-style-type: none"><li>-Divulgation</li><li>- Economical development</li></ul>
Competence among quality figures	<ul style="list-style-type: none"><li>-Coordination and complementarity</li></ul>
Limit for development	<ul style="list-style-type: none"><li>- Increasing of agroecological areas for development</li></ul>
Administrative complexity	<ul style="list-style-type: none"><li>-Administrative simplification</li><li>- Flexibility</li></ul>
Scarse scientific knowledge	<ul style="list-style-type: none"><li>-R+D investment in all related subjects</li></ul>
No adequate commercialization channels	<ul style="list-style-type: none"><li>-Shortening of channels</li><li>-Asociacionism, cooperativism</li></ul>
Frauds and credibility	<ul style="list-style-type: none"><li>- Rigor</li></ul>

# SPANISH BIODIVERSITY. SPANISH CATALOGUE OF LIVESTOCK BREEDS (179 breeds, 151 local)

## 1. LOCAL BREEDS:

### a) To improve (28):

1.º Cattle: Asturiana de los Valles, Avileña Negra Ibérica, Lidia, Morucha, Pirenaica, Retinta y Rubia Gallega.

2.º Sheep: Carranzana, Castellana, Churra, Latxa, Manchega, Merina, Navarra, Ojinegra de Teruel, Rasa Aragonesa y Segureña.

3.º Goats: Majorera, Malagueña, Murciana-Granadina, Palmera y Tinerfeña.

4.º Pigs: Ibérico, Ibérico (variedad Retinto) e Ibérico (variedad Entrepelado).

5.º Horse: Española.

6.º Chickens: Combatiente español



## 1. LOCAL BREEDS:

### b) Endangered(123):

1.º Cattle: Albera, Alistana-Sanabresa, Asturiana de la Montaña, Avileña-Negra Ibérica (variedad Bociblanca), Berrenda en Colorado, Berrenda en Negro, Betizu, Blanca Cacereña, Bruna de los Pirineos, Cachena, Caldelá, Canaria, Cárdena Andaluza, Frieiresa, Limiá, Mallorquina, Marismeña, Menorquina, Monchina, Morucha (variedad Negra) Murciana-Levantina, Negra Andaluza, Pajuna, Palmera, Pasiega, Sayaguesa, Serrana Negra, Serrana de Teruel, Terreña, Tudanca y Vianesa.

2.º Sheep: Alcarreña, Ansohana, Aranese, Canaria, Canaria de Pelo, Carranzana (variedad negra), Cartera, Castellana (variedad negra), Chamarita, Churra Lebrijana, Churra Tensina, Colmenareña, Gallega, Guirra, Ibicenco, Lojeña, Maellana, Mallorquina, Manchega (variedad negra), Menorquina, Merina (variedad negra), Merina de Grazalema, Montesina, Ojalada, Palmera, Ripollesa, Roja Mallorquina, Roya Bilbilitana, Rubia del Molar, Sasi Ardi, Talaverana, Xalda y Xisqueta.

## 1. LOCAL BREEDS:

### b) Endangered:

3.º Goats: Agrupación de las Mesetas, Azpi Gorri, Blanca Andaluza o Serrana, Blanca Celtibérica, Bermeya, Del Guadarrama, Florida, Gallega, Ibicenca, Jurdana, Mallorquina, Moncayo, Negra Serrana, Payoya, Pirenaica, Retinta y Verata.


4.º Pigs: Celta, Chato Murciano, EuskalTxerria, Gochu Asturcelta, Ibérico (variedades Torbiscal, Lampiño y Manchado de Jabugo), Negra Canaria y Negra Mallorquina.

5.º Horse: Asturcón, Burguete, Caballo de Monte de País Vasco, Caballo de Pura Raza Gallega, Hispano-Árabe, Hispano-Bretón, Jaca Navarra, Losina, Mallorquina, Marismeña, Menorquina, Monchina y Pottoka.

6.º Donkey: Andaluza, Asno de las Encartaciones, Balear, Catalana, Majorera y Zamorano-Leonés.

7.º Chickens: Andaluza Azul, Valenciana de Chulilla, Euskal Oiloa, Gallina Empordanesa, Galiña de Mos, Gallina del Prat, Mallorquina, Menorquina, Murciana, Pita Pinta, Penedesenca, Utrerana, Oca Empurdanesa y Euskal Antzara.





## 2. BREEDS INTEGRATED IN SAPAIN (23):

a) Cattle: Blonda de Aquitania, Charolesa, Fleckvieh, Frisona, Limusina, Parda y Parda de Montaña.

b) Sheep: Berrichon du Cher, Charmoise, Fleischschaf, Ile de France, Landschaff y Merino Precoz.

c) Pigs: Blanco Belga, Duroc, Hampshire, Landrace, Large White y Pietrain.

d) Horse: Árabe, Anglo-Árabe, Pura Sangre Inglés, Trotador Español.

## 3. EU BREEDS (2).

a) Sheep: Lacaune.

b) Goats: Alpina.

## 4. THIRD COUNTRIES BREEDS (1):

a) Sheep: Assaf.

## 5. SPANISH SINTHETIC BREEDS (1).

a) Sheep: Salz.

## 6. OTHER HORSE REGISTERED (1)

a) Caballo de Deporte Español (C.D.E.).

# SPANISH PROTECTED FOODS (DOP Guarantee of origin and quality, IGP, Protected Geographical Indication)

## Fresh meats

IGP Carne de Ávila/ IGP Cantabria  
IGP Carne de la Sierra de Guadarrama  
IGP Carne de Morucha de Salamanca  
IGP Cordero Manchego/ IGP Navarro  
IGP Lechazo de Castilla y León  
IGP Pollo y Capón del Prat  
IGP Ternasco de Aragón  
IGP Ternera Asturiana/ Extremadura  
IGP Ternera de los Pirineos Catalanes  
IGP Ternera Navarra  
IGP Ternera Gallega  
IGP Cordero Segura Las Villas

## Sausages

IGP Botillo del Bierzo  
IGP Iacón gallego  
IGP Salchichón de Vic  
IGP Sobrasada de Mallorca  
IGP Cecina de León

## Hams

DOP Jamón de Teruel  
DOP Guijuelo  
DOP Dehesa de Extremadura  
DOP Jamón de Huelva



# SPANISH PROTECTED FOODS

## CHEESES

DOP Cabrales, DOP Roncal  
DOP Idiazábal, DOP Mahón  
DOP Picón Bejes-Treviso  
DOP Queso de Cantabria  
DOP Queso de l'Alt Urgell i la Cerdanya  
DOP Queso de la Serena  
DOP Queso de Murcia  
DOP Queso de Murcia al vino  
DOP Queso Majorero  
DOP Queso Manchego  
DOP Queso Palmero  
DOP Queso Tetilla  
DOP Queso Zamorano  
DOP Quesucos de Liébana

## MEAT PRODUCTS

Salted meat:

IGP Cecina de León

Hot treated  
products:

IGP Lacón Gallego

# SPANISH PROTECTED FOODS

## Guaranteed traditional specialties (GTE)

ETG Jamón Serrano



ETG Leche Certificada de Granja



# CONCLUSIONS

- In front of a globalized world, Spain count with a lot of local breeds linked to traditional and sustainable management systems. It can be used in the production and commercialization of high added value products belonging to the national tradition.
- It will be an important chance to maintain the farming activity in a situation of endangering of the whole agricultural sector.
- These activities are strongly linked to the present policies or rural development based on the services sector.
- Conservation programs of local breeds and traditional management systems will be a priority of the nations

A herd of water buffaloes is silhouetted against a warm, golden light, likely from a low sun. The scene is misty or hazy, with a large tree on the left and its branches extending across the top. The buffaloes are standing in a shallow pool of water or mud, with some splashing. The overall mood is serene and peaceful.

**MUCHAS GRACIAS,  
THANKS**