



The sustainable conservation of Hungarian Grey Cattle

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- 1 The Hungarian Grey Cattle
- 2 Hungarian Grey Cattle Breeders' Association
- 3 Activities on sustainable conservation of Hungarian Grey Cattle
 - 3.1 General objectives
 - 3.2 In situ conservation of HGC genetic resources
 - 3.3 Ex situ conservation of HGC genetic resources
 - 3.4 Promotion of Grey beef abroad
- 4 Key success factors of the programmes

1 The Hungarian Grey Cattle

1.1 Historical background

- The Hungarian Grey Cattle is a true Hungaricum, a legally protected livestock of Hungary
- It is one of the most famous Hungarian features of the whole world, with it's appearance, it's beauty and it's original character

From the 15th to the 19th Century

Profitable export item, "worldbrand"

20th Century

Population drastically decreased →
Protection, development

21th Century

Preservation of gene reserves Increase the variety of species



1.2 Traditional herding technology

 An extensive goulash keeping and cultural heritage built on hundreds of years of tradition is combined with a certificate of origin that meets the expectations of the age















1.3 The presentation of the meat

 The meat can be distinguished by it's dark-reddish colour as it's content exceeds that other beef

The well-visible marbeling is caused by connective tissue rather than

intramuscular fat

- The biochemical research results prove
 - The outstanding nutritional value
 - minimum amount of tallow with in the muscle
 - extremely high fatty acid consumption
 - high content of dry matter with less water
- The taste and quality of all other beef
 - Slightly acidic, similar to the wild meat



1.4 Certification and prize

The certificate of identity:

The trademark guarantees to costumers and traders that the product they choose is indeed made of a variety of identical meat

- The Hungaricum Prize

The Hungarian Collections is an outstanding national value 2015 the Hungarian Grey become Hungaricum recieving the Recognition Diploma and the Hungaricum Prize

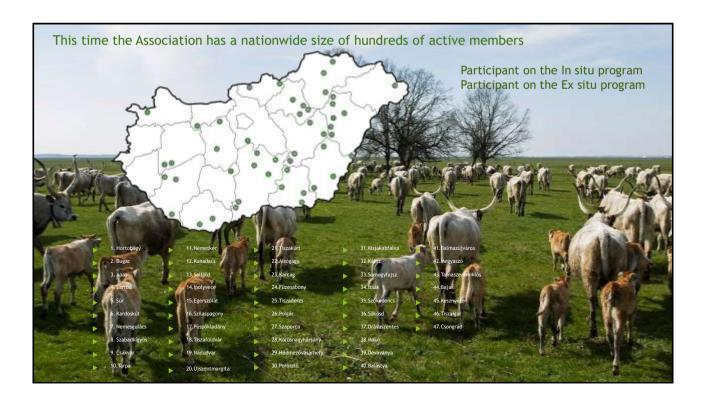
Geographical Indicator

This symbol makes it clear to all European costumers that owing to the specific nature of the product, geographical origin can be judged significantly



2 Hungarian Grey Cattle Breeders' Association

- After the drastically decreasing cattle population in the 60's a few farmers made breeding
 against the rules,
- saved the species from extinction.
- As a result of this, since 1982, annual meeting have been organised and
- in 1991 the HGCBA was funded
- as the first civil organisation in Hungary
- The aim of the Association is to breed, protect and distribute the Hungarian Grey Cattle according to the rules of preservation of gene reserves
- The variety is considered a national value, it's maintenance is in the intrest of the future
- The task of the Hungarian Grey Cattel Breeders' Association:
 - Keeping a register of herd books
 - Gene Conservation
 - Protection of Interests (242 members)
 - Consultancy, contact with farmers
 - Helping to market products
 - Meat authentication system (SMS)
 - Culture and Tradition Conservation
 - Organization of a Gulyásrace and social programmes



3 Activities on sustainable conservation of Hungarian Grey Cattle

3.1 General objectives

- Facilitate the implementation of sustainable breeding programmes
- Promote innovation in breeding (and market apearance)
- Promote higher diversification of livestock
- Incorporate agro-ecological principles in livestock sector

3.2 In situ conservation of HGC genetic resources

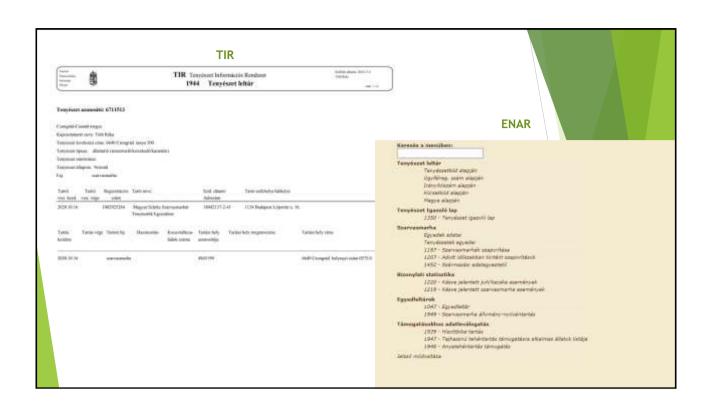
- In situ conservation traditional production: the livestock normally kept and bred
- Our conservation strategy enables the breed to become self-sustainable maintaining its cultural roles in rural areas

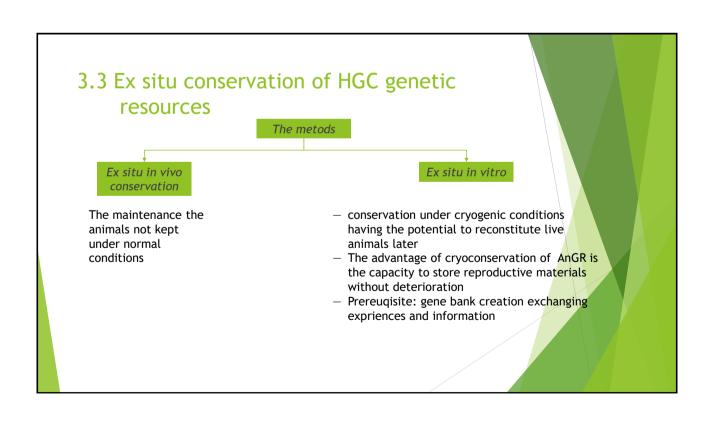
- Preconditions to participate in our proposal

- Native, endangered female breeds (actually 6000 cuttles. EU supports max 7500 individuals)
- Keeping the herd-book register by the Association
- "A" pedigree
- Provision with a minimum 1 individual on the first day of the application period
- Data provision to TIR and ENAR
- To follow the breeding organization's standards
- Documentation of the breeding programme
- Use of proper breed free of charge provided by the association

Number of HGC's involved In situ program - 2022 Table 1

Year	Number of individuals (Unit)
2016	3564
2017	972
2022	5405
Total	9941





Defining factores for the involvement in our Ex situ application

- Preseuation of protected native and endangered breeding animals in Ex situ environment
- Ex situ holding at all a purebred breeding animal confirmed by the breeding body
- Data provision to TIR
- To follow the breeding organization's standars: keeping animals in Ex situ place
- Documentation of the 5 years development program

Number of breeding animals participating in Ex situ (in vitro) - 2022 Table 2

Year	Number of individuals (Unit)
2017	166
2018	328
2019	602
2020	637
2021	677
2022	571
Total	2981

The combination of the two approaches (In situ and Ex situ) provides a powerful and reliable consruction strategy

3.4 Promotion of Grey beef abroad

- 3.4.1 Specific objectives
 - Increase awareness of the Hungarian breed relataed products
 - Increase the *competitiveness* and consumption of Hungarian breed related products
 - Increase the awereness ang recognition of Hungarian quality/sustainability programmes
 - Incraese the market share of Hungarian agricultural products
 - Restore normal market conditions in the event of serious market disturbance
- 3.4.2 Describing the activities
 - Information and promotion programmes have consisted of a coherent set of operations
 - They have consisted of public relations work
 - Information campaigns
 - Took the form of participation in events, fairs and exhibitions of national, European and international importance

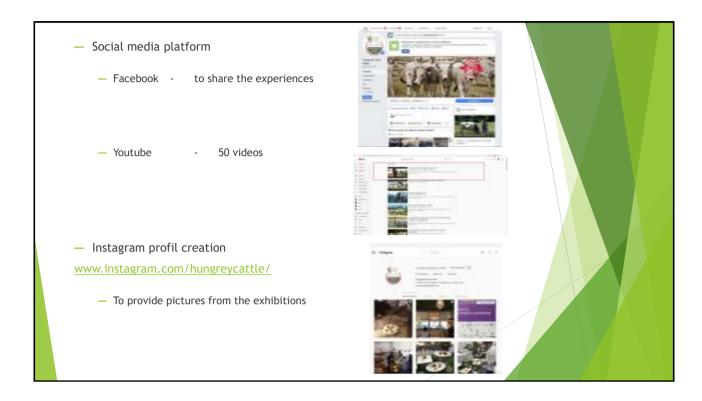
3.3 Implementation of the grey beef promotion program

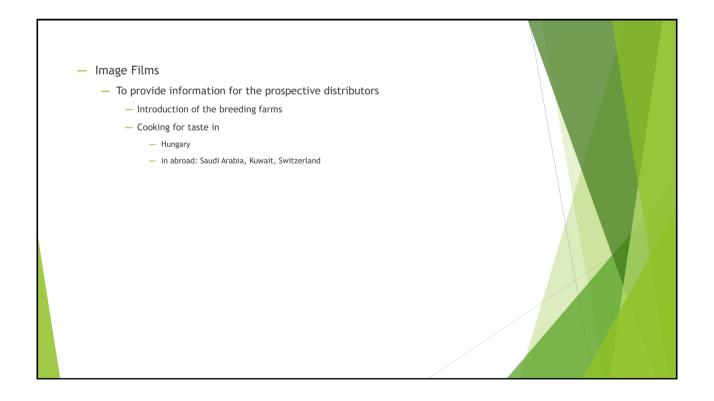
- Logo design for the creation of the meat brand
- Web page set up: www.hungreycattle.com

Unic and expandable for different functions

- Characteristics of the meat
- Introduction of the breeding farms
- Presentation of the parts of the cattle
- Recipes
- Pictures, videos
- Social media links
- Accessebilities







4 Key success factors of the programmes

The programmes have been accomplished by this determinants

- Good, supportive relationship to the relevans organizations: Department of Agribusiness, Agrichamber, NÉBIH, EU Offices
- Dedicated leadership and personal
- Close working relationship to the farmers
- Correct calculation of number of the animals, involved in the different programmes
- Usage of modern data/information systems and optimazitional programmes
- To provide professional breeding/marketing advices
- Knowledge sharing nationwide and across countries