

COORDINATION AND TECHNICAL ASSISTANCE OF PROJECT: DEVELOPMENT OF BEEF CATTLE BREEDING SYSTEM IN BOSNIA AND HERZEGOVINA

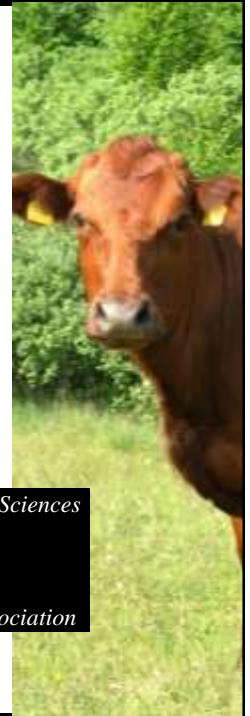
November 2013 – November 2016



*Czech University of Life Sciences
in Prague*

Natural, s.r.o.

Czech Beef Breeders Association



The aim of the project was:

- * improvement of legislative framework on the field of beef cattle breeding in BiH
- * establishing breeding centres & capacity building of local partners

*Create a base to
functional and
sustainable system
leading to economic
prosperity*

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COORDINATION: LOCAL PARTNERS AND THIRD PARTIES

Legislation

- Ministry of Agriculture, Forestry and Water, RS
- Federal Ministry of Agriculture, Water and Forestry, FBiH

Breeding centres

- PZ Gvozno (Kalinovik, RS)
- Cooperative Taurus (FBiH)

Procurement:

- Reconstruction of breeding center in Kalinovik
- Procurement:
 - Farm machinery
 - Livestock (120 pregnant heifers)
 - Insemination doses
 - Equipment used in performance testing



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TECHNICAL ASSISTANCE

Capacity building:

- **Legislation**
 - Current law evaluation; comparing to EU law
 - Working Groups
 - Control system
- **Beef cattle breeding management:**
 - Feeding
 - Technology
 - Health
 - Reproduction and Training in Artificial Insemination
- **Testing and Selection**
 - Breeding Aims
 - Performance Testing
 - Herd Books



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EXPECTATIONS VERSUS REALITY

Not everything turned out as we expected...

EXPECTATIONS

- Different beef breeds in each breeding centre (including Gatacko)
- Ownership and reconstruction of old sheep barn in Kalinovik
- 2 cooperatives receiving cattle: 1 in RS, 1 in FBiH
- Pregnant heifers delivered in 2014
- Reproduction only by insemination
- Law on livestock production harmonization prepared to reading in parliaments

REALITY

- One beef breed in each breeding centre/on a farm (AA, LI, BSim.)
- New modern barn, long-term rental contract of land
- Cattle in RS only (Kalinovik + 2 farms near Banja Luka)
- Heifers delivered in 2015
- Combination of AI and natural breeding
- Harmonized law on livestock production approved by parliament of RS

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PROJECT TERMINATION IN FBiH

- Tender on heifers delivery opened in 2015 versus elections in FBiH in 2015
 - Request for establishment of new cooperative/rejection of PZ Taurus
 - / Farm visits, trainings, legal establishment of the cooperative
 - Pregnant heifers
 - / Logistic plans, pricing
- ⇒ Federal Ministry terminated the project
- Quick reaction of RS - financial resources allocated to cover VAT and customs to heifers delivery
 - Two new breeding centres
 - / Assessment, training



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EFFECTS ON PROJECT IMPLEMENTATION

- Local coordinators in RS and FBiH
- Donor reacting on actual situation
- Highly educated people as cooperative leaders
- Visits of farms in Czech Republic
- Working groups
- Interpreters



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PROJECT OUTPUTS

- Law on livestock production harmonized with EU
 - Newly trained AI technicians (farm owners)
 - Cooperatives established
- ⇒ PZ Gvozno
- Herd book
 - Performance testing

⇒ PZ Gvozno

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PZ GVOZNO

- 1.300 m altitude
- Extensive conditions
- Extremely rural area
- De-mined area, some restricted
- 254 hectares, production of hay and grain
- 4 employees
- Director PZ Gvozno: dipl. engineer of agronomy, M.Veletić
- Director of Steering Board: Prof. V. Grujica, PhD



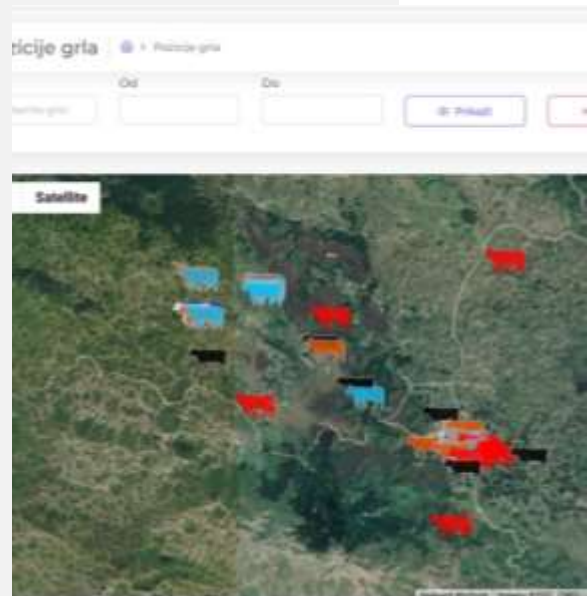
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PZ GVOZNO 2022

Data provided in November 2022

- 200 heads
- 85 cows, 58 out of 60 delivered still on the farm
- 59 calves in 2021
- 60 heads sold per year on average
- 15-20 to further mating
- 40-45 to slaughter
- Keeping the herd book
- Providing courses for other beef cattle breeders
- Implementing LoRa Cattle Tracking System (GPS)



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PERFORMANCE TESTING

Data provided in November 2022

PZ Gvozno

- total of 199 measurements
- 65 at birth
- 50 at the age of 120 days
- 25 at the age of 210 days
- 59 at the age of 365 days

Performance test results 2021/2022

	Birth weight (kg)	120 days (kg)	210 days (kg)	365 days (kg)
Heifers	32.2	163.3	250.6	352.0
Bulls	38.0	180.2	278.2	481.2



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THANK YOU

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