

The importance of domestic animal parks for the conservation of agro-biodiversity

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Abstract

Domestic animals are one of the maximum vital innovations of man. The unique dating among human beings and their home animals commenced approximately 15,000 BC. Domestic animals modified our international and shaped our culture. In many generations a superb variety of animal breeds evolved. This is a completely unique cultural and historic treasure, which we need to maintain for destiny generations in our park. However, Ark Warder is extra than a zoo it's miles a panorama park and moreover a studies project. Unfortunately this genetic variety, which arose out of heaps of years, is set to turn out to be extinct. Every month some other uncommon animal breed vanishes from earth. At this rate, many breeds of vintage home animal are extra endangered than a few uncommon wild species. Ark Warder, easily placed in Northern Germany, with forty hectares it's miles Europe's biggest middle for uncommon and endangered home animal breeds. Through the park's conservation efforts extra than two hundred animals from 86 one-of-a-kind breeds are protected. In order to halt this alarming extinction, 5 concepts manual the conservation efforts of Ark Warder:

1. Conservation thru preservation - thru this objective, treasured antique breeds are maintained and populace length is increased. 2. Conservation thru the established order of satellite tv for pc stations - with pastures dispensed out of doors the park, Ark Warder guarantees the safety of breeds towards epidemics. These satellite tv for pc pastures additionally permit us to growth the gene pool and make use of decided on animals for agricultural purposes.

3. Conservation thru education - we agree with that with the aid of using instructing the overall public the genetic variety of home animals be saved.

4. Protection with the aid of using networking with countrywide and global establishments - In order to paintings successfully, Ark Warder desires a functioning network. 5. Protection

5. thru research - Ark Warder works in near collaboration with diverse establishments helping tasks at the physiological traits of vintage home animal breeds.

Recent Publications 1. Ballweg I C, Froelich K, Fandrey E, Kliem H and Pfaffl M (2016) Comparison of the immune competence of Turopolje, German Landrace × Turopolje, and German Landrace × Pietrain pigs after PRRSV vaccination. *Veterinary Immunology and Immunopathology* 174:35–44. 2. Frölich K and Jandowsky A (2017) Die Bedeutung der Erhaltung vom Aussterben bedrohter Nutztierassen am Beispiel der Arche Warder. *Tierärztliche Praxis Großtiere* 1, 33-41. 3. Ludwig A, Alderson L, Fandrey E, Lieckfeldt D, Soederlund T K and Frölich K (2013) Tracing the genetic roots of the indigenous White Park Cattle. *Animal Genetics*, 44:383-386. 4. Schröder O, Lieckfeldt D, Lutz W, Rudloff C, Frölich K and Ludwig A (2016) Limited hybridization among home sheep and the European mouflon in Western Germany. *European Journal of Wildlife Research*, 62(3):307–314. 5. Sorg D, Fandrey E, Frölich K, Meyer H H D and Kliem H (2013) The innate immune reaction of number one bovine mammary epithelial cells from the historical White Park and Highland farm animals in comparison to the cutting-edge dairy breeds Brown Swiss and Red Holstein. *Animal Genetic Resources*, 52:91-104.

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