

Align nature conservation with sustainable livelihoods

Challenge

Nature conservation and community development are often not aligned. Improving natural capital can be expensive and the community often does not benefit from the increased value. Additionally, bison habitat in Romania is under threat from infrastructure development.



Opportunity

Create a **sensor-enabled** wildlife measurement system with local community members as data gatherers. Bison rewilding offers an elegant solution where a **keystone species** unlocks the community development challenge.

Solution

Bison are rewilded in the Romanian part of the Carpathian Mountain. Through a circular economy model, community members are incentivized to gather data by financial rewards, in the form of tokens. Tokens are used for development projects like nurseries and healthcare centers and are chosen by the community. Investors and donors can visualize the impact achieved on dashboards. Decentralized blockchain technology provides the system of data collection, token creation, value transfer and directly shows the impact for nature conservation and social wellbeing for the community.

Benefits

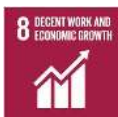
This project creates interdependent benefits for a thriving community and natural landscape based on blockchain technology.

To *nature*:

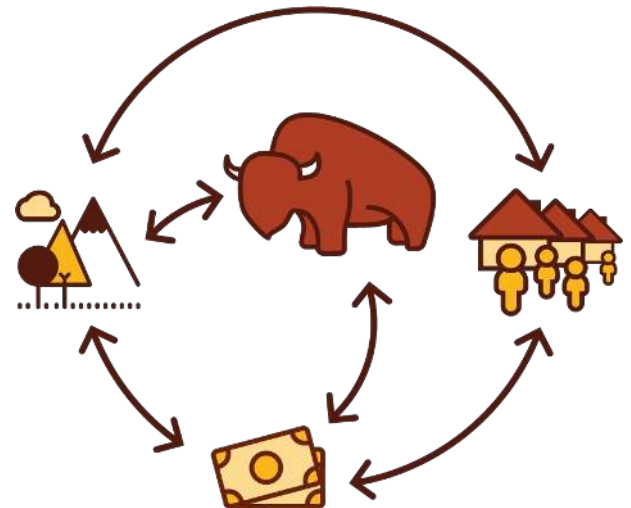


- Bison population increases
- Landscape quality improves
- Biodiversity increases
- respectful use of natural resources

Simultaneously, the *community* benefits:



- Livelihoods improves
- Community empowered
- Public services increases
- Population doesn't decline



The solution is scalable, traceable, incorruptible and efficient

- Advanced technology enabled wildlife tracking and nature conservation
- Community participates in and is directly rewarded for monitoring without intermediaries
- Improved natural capital opens up new employment opportunities
- Community empowered to choose what services they want
- Dashboards to show ecosystem health and community vibrancy