



**Creating innovative
technology for the
benefit of people and
nature**

In collaboration with  Sustainability
Chain Services

Blockchain and sustainability goals

3 Topics

1. Global goals
2. Blockchain
3. Project example

“17 Goals to transform the world”



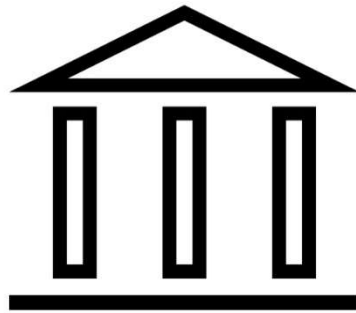
169 specific targets behind the goals

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



- | | |
|---|---|
| <p>9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all</p> | <p>9.1.1 Proportion of the rural population who live within 2 km of an all-season road</p> <p>9.1.2 Passenger and freight volumes, by mode of transport</p> |
| <p>9.2 Promote inclusive and sustainable industrialization and, by 2030, significantly raise industry's share of employment and gross domestic product, in line with national circumstances, and double its share in least developed countries</p> | <p>9.2.1 Manufacturing value added as a proportion of GDP and per capita</p> <p>9.2.2 Manufacturing employment as a proportion of total employment</p> |
| <p>9.3 Increase the access of small-scale industrial and other enterprises, in particular in developing countries, to financial services, including affordable credit, and their integration into value chains and markets</p> | <p>9.3.1 Proportion of small-scale industries in total industry value added</p> <p>9.3.2 Proportion of small-scale industries with a loan or line of credit</p> |
| <p>9.4 By 2030, upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities</p> | <p>9.4.1 CO2 emission per unit of value added</p> |

To get to 2030, we all have a role to play



Governments set
the right policies



Created by Dinosoft Labs
from Noun Project

Businesses integrate the
goals into their strategies



Created by Dan Hetteix
from Noun Project

Non-profits to better
measure impact

All to report on their contribution and impact

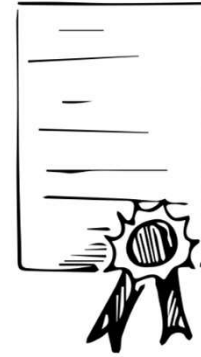
But there are still challenges



Funding gap

2.5 trillion USD/year
more needed

Inefficient transfer from
donor to recipient



Trust gap

Are funds going where
they should?

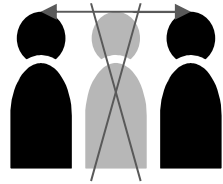
Is impact achieved on
the ground?

Porini responds to this challenge

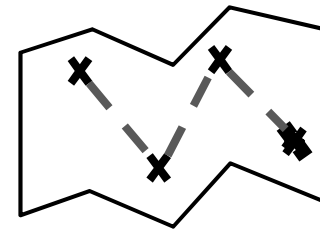
We create and apply **innovative technology** to **protect nature** while **improving livelihoods**. This includes the use of a **sustainable blockchain** to effectively implement programmes that accelerates progress towards the SDGs.

We created the low energy SustainabilityChain.

The advantages of blockchain



Disintermediated



Traceable



Incorruptible



Transparent

Disadvantages of traditional blockchain

Ethereum seems like a good solution.....

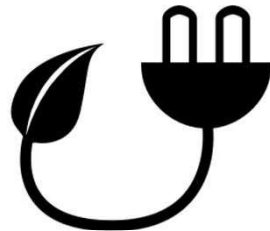
- ✓ Largest blockchain developer community
- ✓ Ethereum Virtual Machine used by most popular blockchain systems
- ✓ It is programmable
- ✓ Token Standardization (ERC20, ERC777, ERC221 etc)

.....But is not suited for sustainability projects

- ✗ High energy consumption
- ✗ High transaction costs
- ✗ Delays due to the busy network

Advantages of SustainabilityChain

Fully compatible with Ethereum smart contract technology,
plus.....



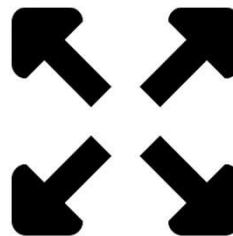
Efficient



Faster



Cheaper



Scalable

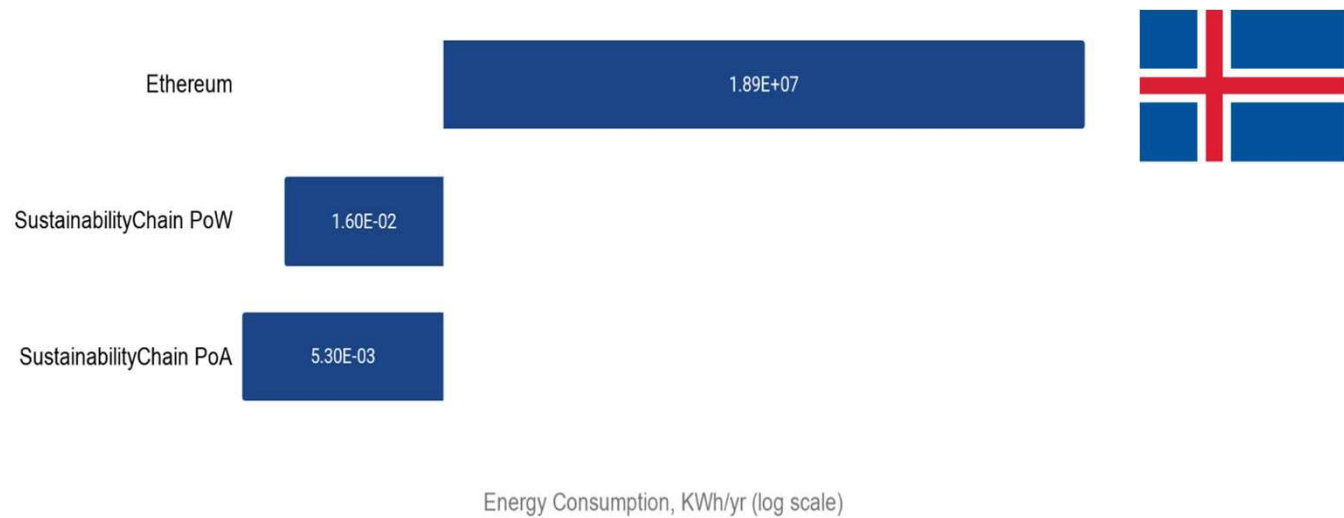


Created by Trusted Icons
from Noun Project

Customizable

Superior energy efficiency

A sustainable blockchain for sustainability applications



Ethereum Source: <https://digiconomist.net>

Demo



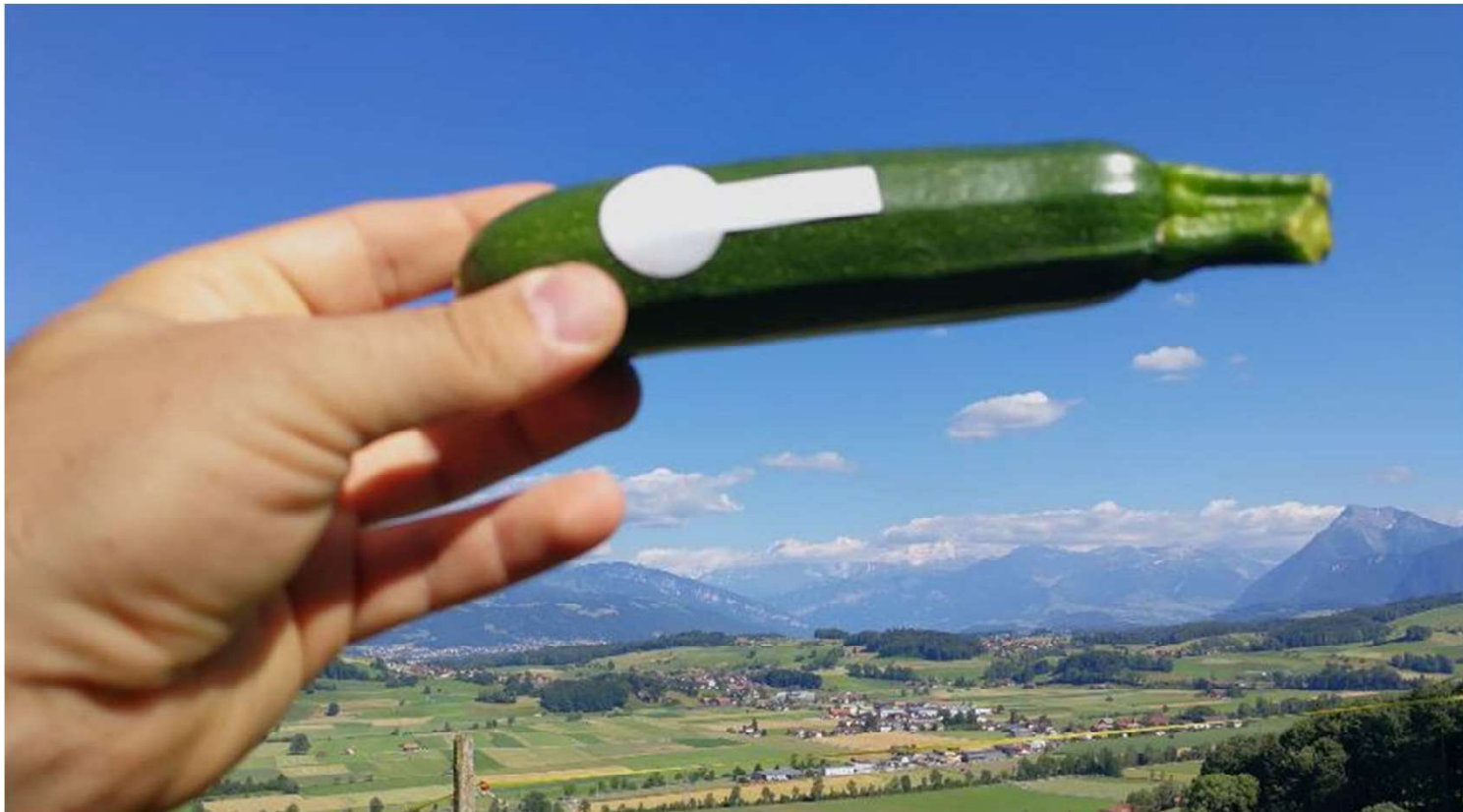
Tokenization



Tokenization



Traecability

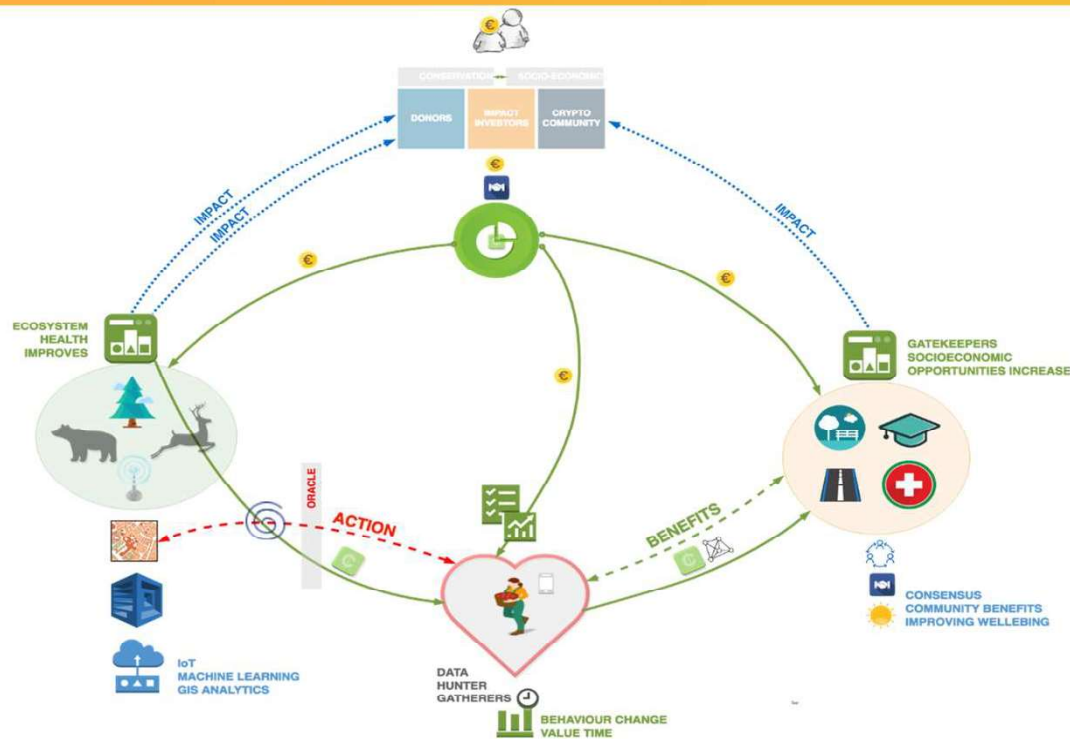


Traecability

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



Bison rewilding and improving livelihoods



Bison rewilding and improving livelihoods



What next?

(Aug) Hunters tracks & signs workshop to kick off an external team of wildlife trackers / monitors using Cybertracker app

(Sep) First generation of IoT network on the ground. ArcGIS online analytics dashboard up and running. H2020 proposal revisited/adjusted and submitted.

(Oct) Scientific advisors workshop on the nature index and conservation actions for hunter-gatherers.

(Oct) Workshop to design socio-economic mechanics, how the governance of the node functions, sustainability principles: Infrastructure, etc. incl. participatory validation of socio-economic node).

(Nov-Dec) 2nd generation impact token design session. A token that captures the value generated in the landscape (natu socio economic nodes) is tradable and/or is a deposit into the sustainability trends in the landscape.

(TBC) Design & build front end and dashboards (Crypto-bison games, Software products for local festival, etc)

(Jan/Feb) MVP - Software development: tokens & smart contracts; integration with front end.

(March/April) Early adopter events (local festival, investor meetings, presence at appropriate conferences)

Bison rewilding and improving livelihoods

This **Project** needs **YOU** for **support**