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GLOBAL SUSTAINABLE MARKET MECHANISMS

DIGITAL SINGLE MARKET FOR CLIMATE ADAPTATION

BUSINESS-IN-CONFIDENCE

The 7 Digital Blue Hubs

France: **350 hectares** in production and **450** additionally available **PRICE: 11400€ / ha**

Tunisia: **80 hectares** in production and **200** additionally available **PRICE: 2000€ / ha**

Mozambique: **100 hectares** in production and **300** additionally available **PRICE: 6200€ / ha**

Tanzania: **200 hectares** additionally available (starting production this year) **PRICE: 6100€ / ha**

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Wando Island, South korea, more than 1000 farmers Ocean Care mask pack

- Multi-stakeholder platform incepted as DAC.
- Sustainable practices in seaweed (from “farm to fork” revolving to “farm to finance”).
- Accountable and resolvable for business in nature.
- EU Green deal oriented.
- Committed with harmonization.
- People and technology for a climatic impact driver

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Goals

LIFE BELOW WATER

Conserve and sustainably use the oceans, seas and marine resources for sustainable development.

PEACE, JUSTICE AND STRONG INSTITUTIONS

Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels.

PARTNERSHIPS FOR THE GOALS

Strengthen the means of implementation and revitalize the global partnership for sustainable development

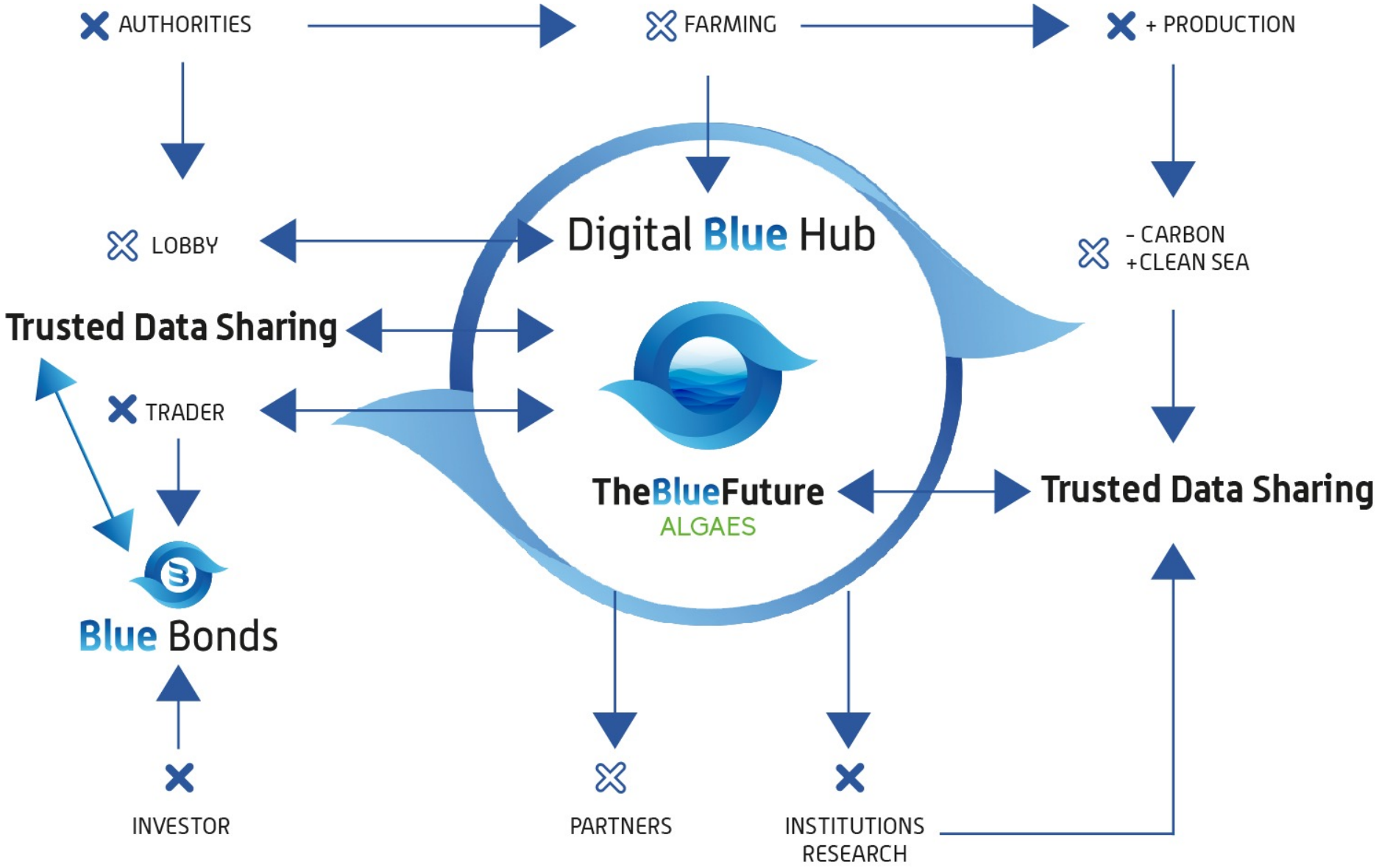
The Blue Economy In The World 2019

99% of the US Marine Biomass needs are **imported.** In the US 98% of algae is harvested, only 2% are grown.

According to the 2019 EU Blue Economy Report, the algae sector has an annual value of €1.5 Billion for direct activities and another €240 Million in indirect activities

Alied Market Research predicts that the global aquaculture market will reach $242 Billion in 2022 from $169 Billion in 2015 which means + 40% in 7 years.

The Blue Circular Economy



The Blue Future Organization 2020-2021

2020

BLUE INVEST PROJECT

UN WTO
(GLOBAL START UP COMPETITION)

OECD BLOCKCHAIN POLICY FORUM

THE EUROPEAN GREEN DIAL

BLOCKCHAIN
FOR HUMANITY

ALASTRIA

eureka

Seagriculture

UN CLIMATE
CHANGE
CONFERENCE
UK 2021
IN PARTNERSHIP WITH ITALY

2021

INTEGRATION
NO REINVENTION OF WHEELS

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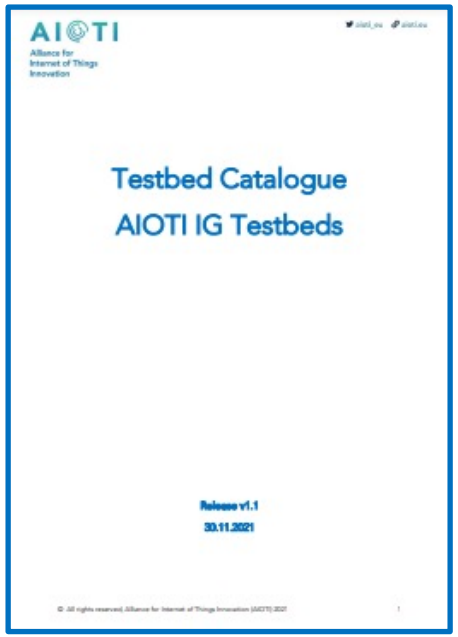
AIOTI
Alliance for Internet of Things Innovation



https://aioti.eu/wp-content/uploads/2021/11/AIOTI-Testbed-Catalogue-2021-Final.pdf

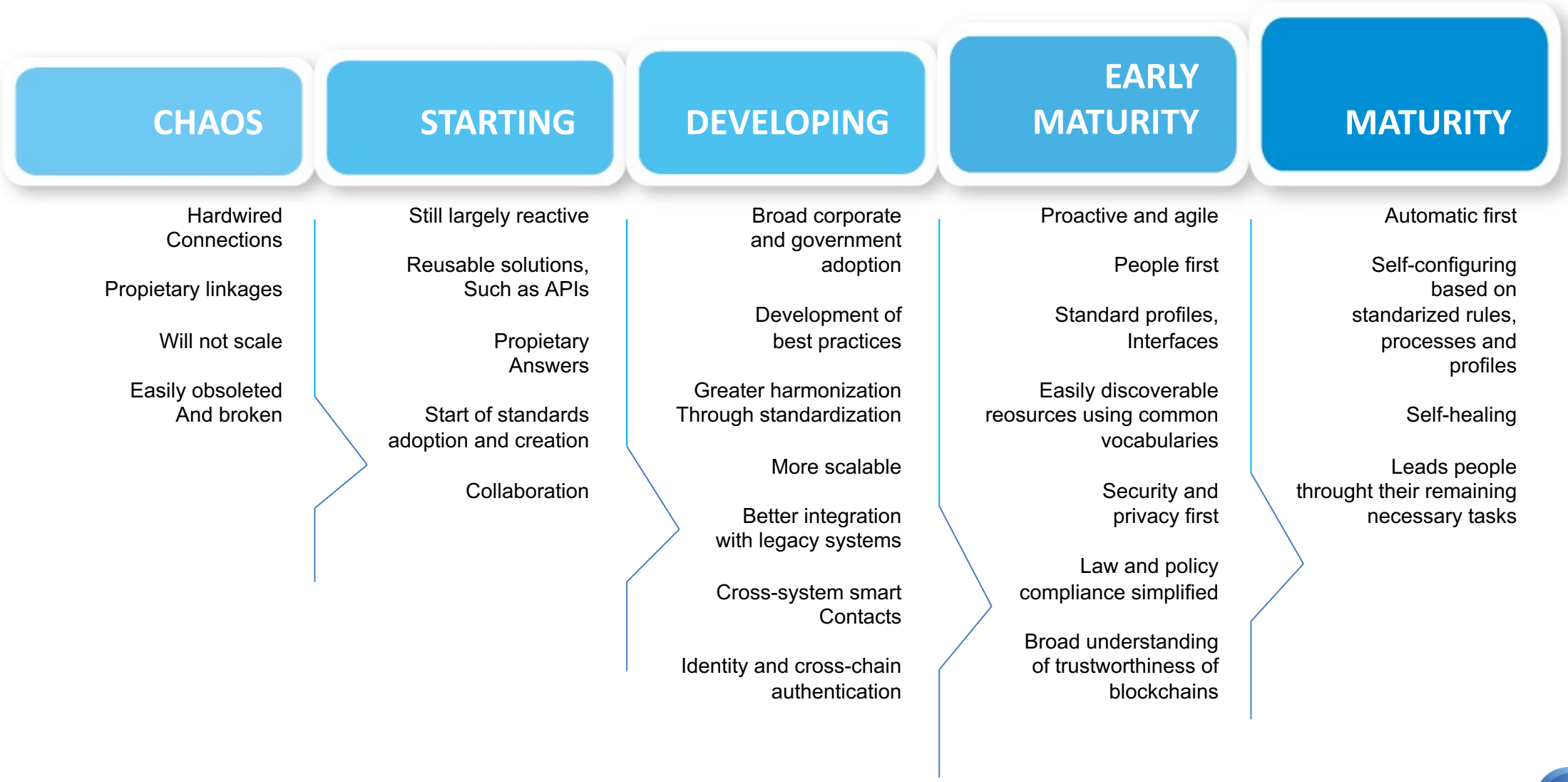
The **BFO DAO** testbed is set to demonstrate how Distributed Ledger Technologies enables "Farm-to-Finance" in aquaculture as a foundation to enable financial instruments and investments for acceleration into the blue economy. BFO is set to provide insights into the technical layers allowing observers to properly understand how the DLT is applied into the IT stack. BFO also demonstrates the autonomous reporting mechanism with XBRL as facilitator for financial and non-financial information.

AIOTI DLT TESTBEDS Catalogue

DLT 2.xx PROTOCOL PERFORMANCE
DLT 3.xx ENERGY EFICIENCY

Technologies: Hyperledger, Ethereum, IOTA, Ripple, Cardano
Hardware: On-Premise, Low-power devices, Edge & Cloud
Outcome DLT 2.xx: Comparison between the different DLT protocols
Outcome DLT 2.xx: XBRL reporting

Blockchain Interoperability Maturity Model



Derived from Blockchain Interoperability Maturity Model, Cohen, Eric E., Spring 2021

Sustainable Development Model

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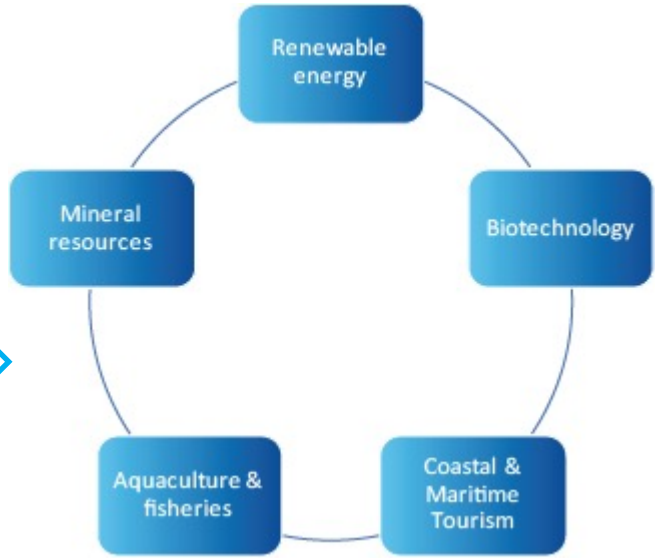
A variety of data, on and off chain	A common semantic unifying the transactions in detail*	A variety of mappings, rules, and assertions	Regional, industry and regulator reporting
Centralized and decentralized storage	APIs and blockchain "payload" standardization	Smart contracts, standard business rules, catalogue of cross-walks	XML Schemas, XBRL Taxonomies and other presentation and data driven definitions

Blockchain/DLT enablement throughout

Source detail and other necessary exogenous information will come in different formats and stored in blockchain and legacy environments	Freeing data for anticipated and non-anticipated future use requires a homogenous representation and ties to the original data	A data-centric approach will work with facts and not reporting in a specific context. "Internet of Rules" abstraction facilitates straight-through multi-purpose reporting	Data focused reporting facilitates machine consumption and reuse while also facilitating reporting for people in a format best for the audience



https://www.blue-growth.org/Blue_Growth.htm

* UN/CEFACT Core components, XBRL Global Ledger, ISO 21378:2019

EUBlockchain
Observatory and Forum
I N
A T
B A
A very green Christmas
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