

# The need for a Seaweed Revolution !



**United Nations**  
Global Compact

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Auteur de « La Révolution des algues  
(Ed. Equateurs) / Released in english April 27th



# Why seaweed ?

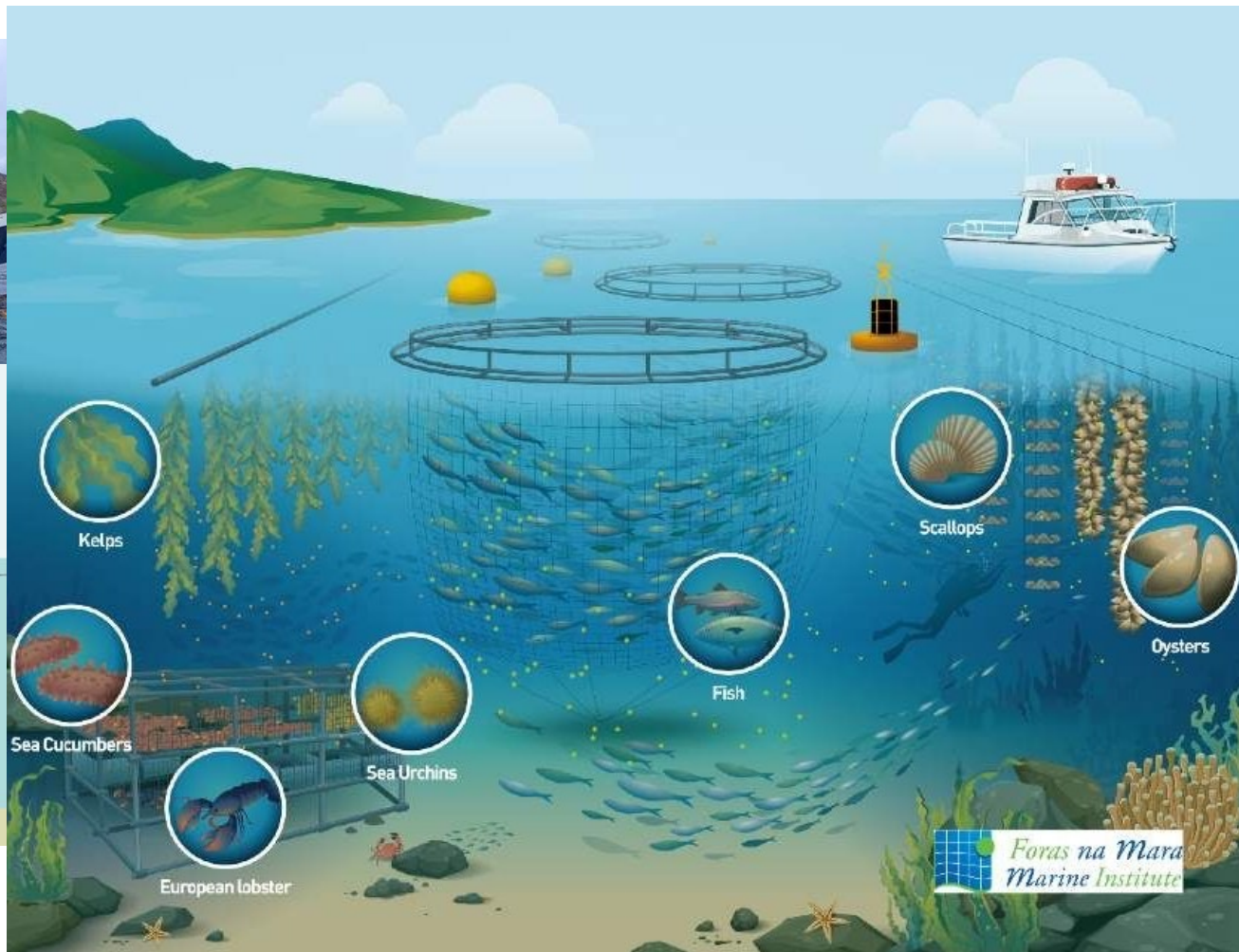
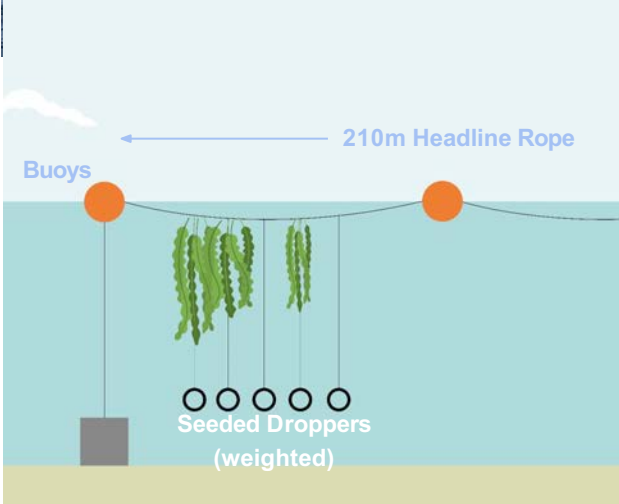


**Ecologic crisis**

**Demographic  
crisis**

**Climatic  
crisis**







Xiapu County, southeast China

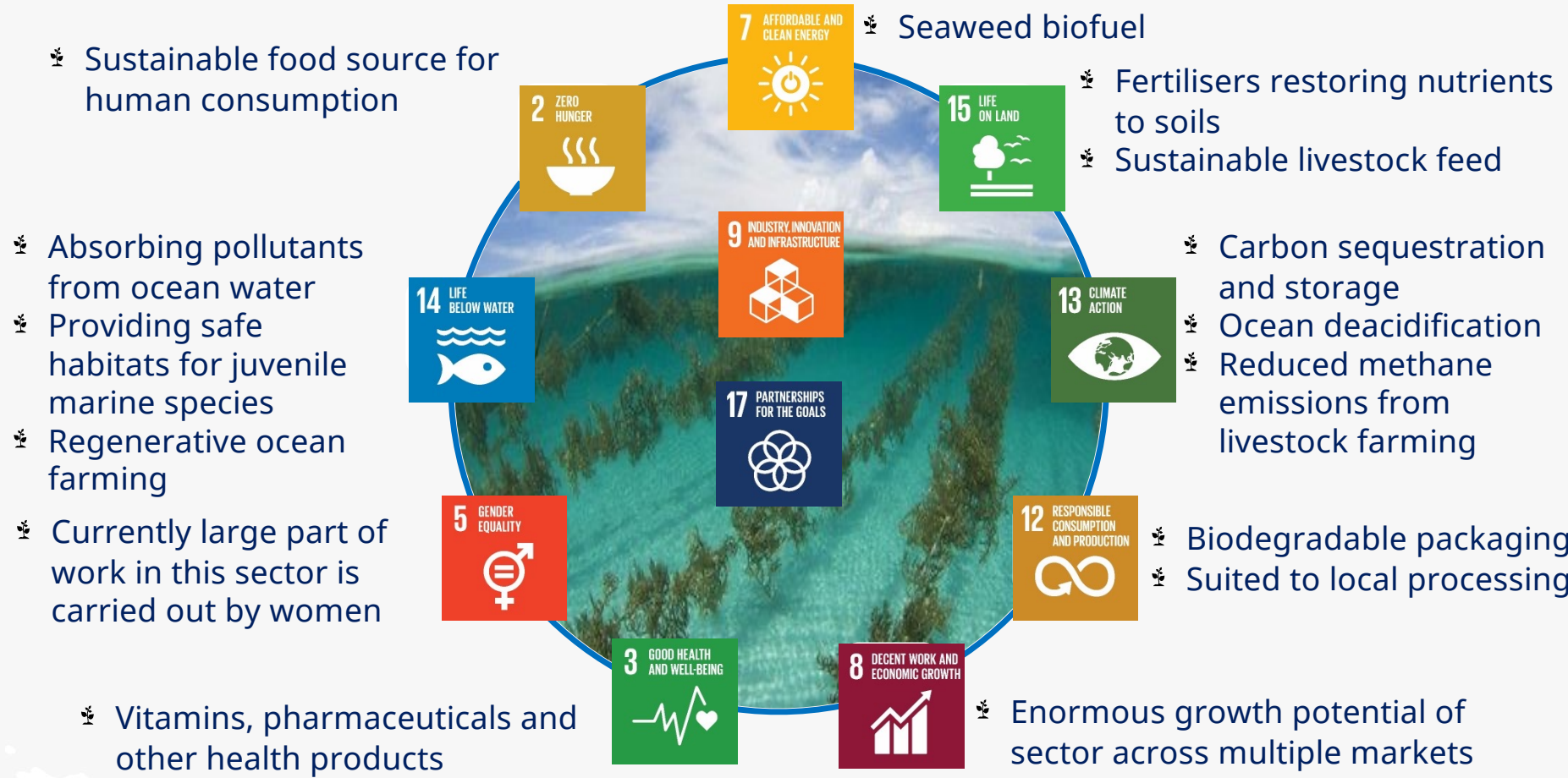












# From the Seaweed manifesto to The Safe Seaweed Coalition

Led by :



Lloyd's Register  
Foundation



United Nations  
Global Compact

Editorial team gathering experts from :



Food and Agriculture  
Organization of the  
United Nations

The Nature  
Conservancy



Nestlé



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SAMS  
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safe  
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Check more at

[www.seaweedmanifesto.com](http://www.seaweedmanifesto.com)

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## Secretariat



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# Our Global Governance

## Advisory Board

## Steering Committee



- Alpha Impact Investment., USA
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- Korean Nori Association
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- Riken Food, Japan
- SAMS, United Kigdom
- SINTEF, Norway
- United Nation Global Compact
- WWF
- Zanzibar Seaweed Cluster, Tanzania



**Coast 4C Limited**

Empowering small-scale fishers to restore the ocean through regenerative seaweed farming

**Details**

- Headquarters: Honolulu, Hawaii
- Year Founded: 2012
- Organization Type: Not-for-Profit
- Stage of Development: 10+ Yr. Scale Up
- Value Chain Impact: Marine, Fresh, Landfills, Collection / Recovery, Waste Management, Energy, Advisory
- Topic: Ocean, Marine, Seaweed, Waste
- Seeking: Expertise, Funding, Early Adopters, Partnerships
- Value Chain: Tech, Investment, Research
- Application: Production (Manufacturing)
- Others: Seed, Composites, Access/Equity/Value Add
- Seaweed Type: Gel
- Company Size: 1-9

**Key Contacts**

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Nicholas has expertise in bioeconomy, conservation, sustainable coastal enterprise. He holds a PhD in Conservation Science and an M.Sc. degree in Environmental Technology and Ecological Management from the Imperial College London and a B.Sc. from Oregon State University from the University of Edinburgh.



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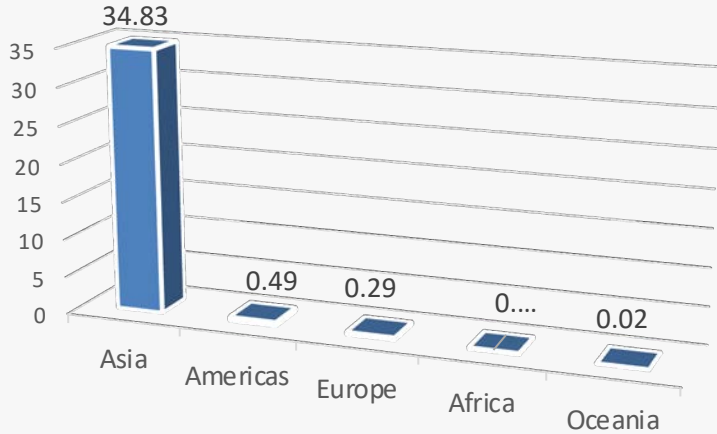
Join: <https://www.safeseaweedcoalition.org/members/>

# Seaweed economics




# Production and market trends


**Total Seaweed Production**  
2019 (million tonnes, wet weight)



## Cultivation trends, 1950-2019

- World: 34,700 t → 34.7m t

 13,000 t → 16.4m t ↑

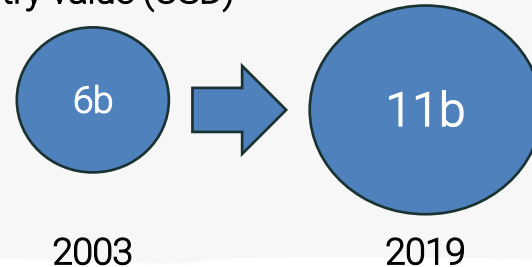
 21,000 t → 18.3m t ↑

 16,696 t (2019) ↓

Cultivation accounted for 97% of world seaweed production in 2019, at 34.7m t  
Wild collection 1.1m t in 2019

(FAO 2021)

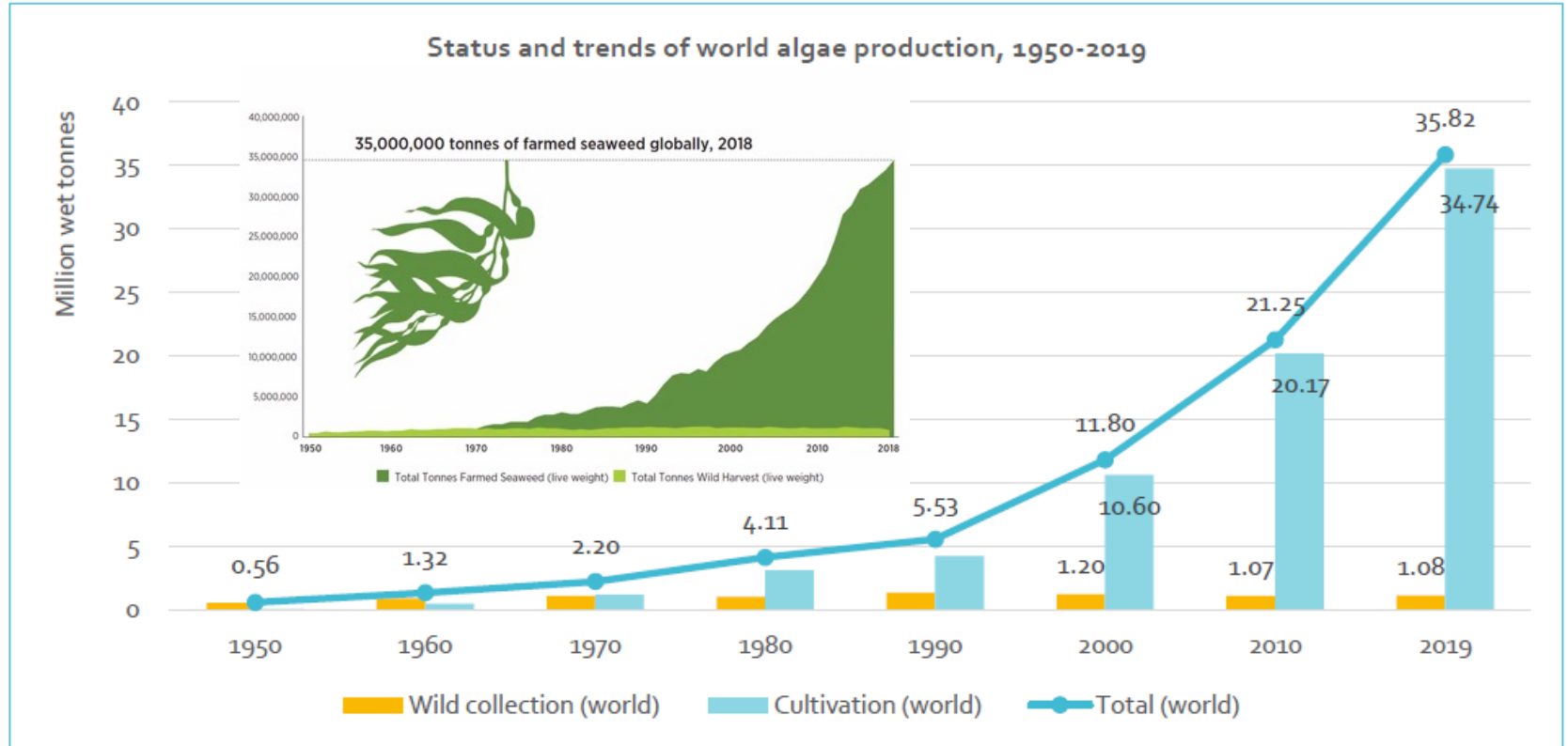
## Industry value (USD)





# Algae production is growing fast

Global algae production (including cultivation and wild collection) increased over 60 times from 0.56 million (wet) tonnes in 1950 to 35.82 million tonnes in 2019; nearly all the growth was contributed by cultivation.

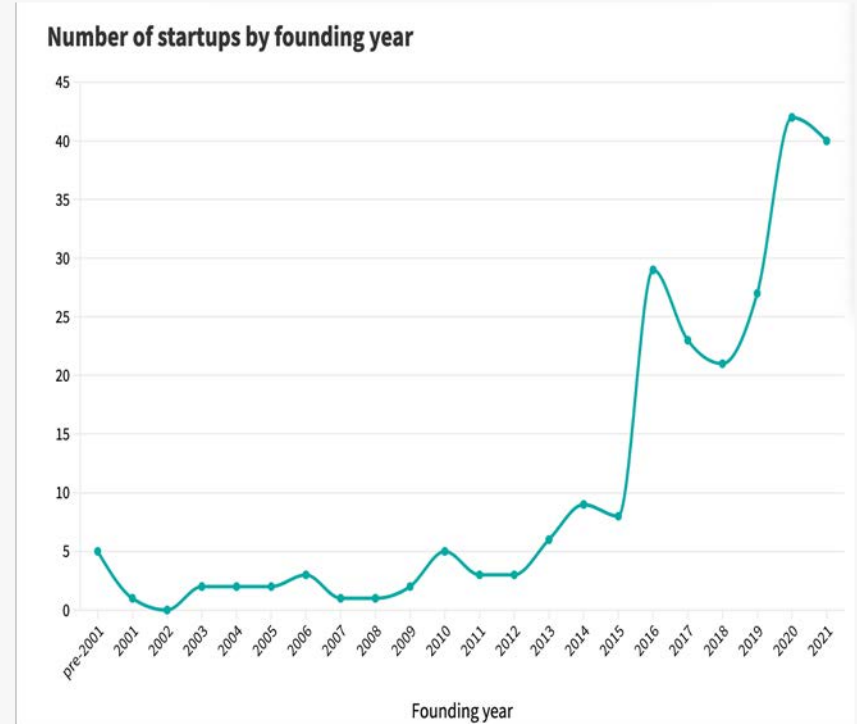


Data source: FAO 2021. FAO Global Fishery and Aquaculture Production Statistics (FishStatJ; March 2021; [www.fao.org/fishery/statistics/software/fishstatj/en](http://www.fao.org/fishery/statistics/software/fishstatj/en)).

# Market trends: Startups

- Beyond Asia
- Pre-revenue (research or pilot stage)
- Europe in the lead, followed by the US and Australia
- Higher value-added transformation

Source : Phyconomy Report 2022



Zone : Europe, Americas and Oceania

# FAO Publication on Pelagic Sargassum current uses



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PAPER

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## Pelagic sargassum

A guide to current and potential uses in the Caribbean



# Hope...



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[www.safeseaweedcoalition.org](http://www.safeseaweedcoalition.org)