











IN POST COVID-19
RESURGENCE





IMPORTANT NOTE:

Please consider that the content in this presentation was prepared by, and belongs to, the respective panelists and does not necessarily represents the views or opinions of UNITAR and UNCTAD.









Mr. Richard Bolwijn Head of Enterprise Branch, Division on Investment and Enterprise, UNCTAD



Ms. Suzanne Johnson Senior Advisor to the UN Global Compact, Sustainable Ocean Business

15:10 - Virtual Davos-style discussion moderated by



Mr. Alex Mejia Director of the Division for People and Social Inclusion, UNITAR



Programme





Ms. Angelique Antat Principal Secretary, Entrepreneurship and Industry Department, Ministry of Investment, Entrepreneurship and Industry, Republic of Seychelles



Dr. Paul Pounder PhD, Professor and Director of MBA Program, St. George's University, West Indies



Ms. Nicole Leotaud Executive Director, Caribbean Natural Resources Institute, Trinidad and Tobago

Q&A session



Ms. Tatiana Glad Co-founder of Impact Hub Amsterdam, Netherlands



Mr. Timothy Bouley CEO of BioFevn. France



Ms. Judith Underwood CEO of Blue Institute Labs, U.S.







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Inaugural Remarks







Welcome Remarks Mr. Richard Bolwijn

Head of Enterprise Branch, Division on Investment and Enterprise, UNCTAD









Welcome Remarks Ms. Suzanne Johnson

Senior Advisor to the UN Global Compact, Sustainable Ocean Business











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Moderator

Mr. Alex Mejia

Director of the Division for People and Social Inclusion, UNITAR

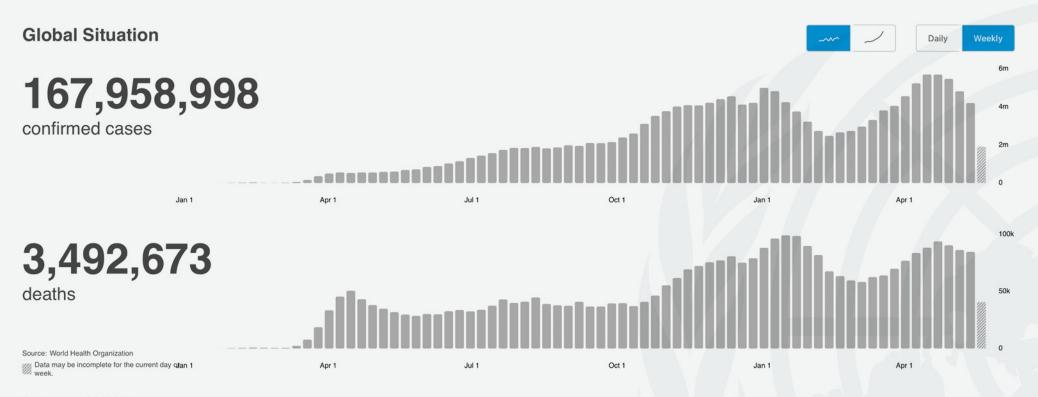






GLOBAL COVID-19 CRISIS: CURRENT FIGURES

Globally, as of 11:09am CEST, 27 May 2021, there have been 167,958,998 confirmed cases of COVID-19, including 3,492,673 deaths, reported to WHO. As of 26 May 2021, a total of 1,545,967,545 vaccine doses have been administered.



Source: WHO

COVID-19 AND ENTREPRENEURSHIP

The coronavirus (COVID-19) outbreak has caused a global health emergency and a global economic slowdown, among other consequences.

Trade, investment, growth, and employment are all affected and the crisis will have an impact on the achievement of the UN Sustainable Development Goals. Likewise, as with any crisis, the situation has become even worse in developing countries, where the stability or growth for start-ups and MSMEs has been significantly endangered. Every business that has been forced to close, leads to multiple stories of unemployment, economic and social dislocation, as well as staggering uncertainty.



COVID-19 AND ENTREPRENEURSHIP

It remains paramount that governments, in partnership with different stakeholders dedicate their support to drive competitiveness of micro, small and medium-sized enterprises (MSMEs) with a particular focus on those small businesses in developing countries.

"We need a fundamental rethinking of SME and entrepreneurship policies to improve business conditions and access to resources. We need a renewed measurement agenda to understand how countries, regions and cities can capitalize on their many diverse small businesses as drivers for inclusive and sustainable growth."

- OECD Secretary-General Angel Gurría



WHAT IS BLUE ENTREPRENEURSHIP?

The blue economy and entrepreneurship concept concerns marine economic activity as a driver of sustainable growth and development.

The ocean economy represents the world's seventh largest economy and is valued at around \$3 trillion annually.

Within this context, it is interesting to understand the role entrepreneurs play in redefining blue economic markets and developing better products, services and ways of working that reduce or even negate human and economic impact on the oceans.

Source: The World Bank

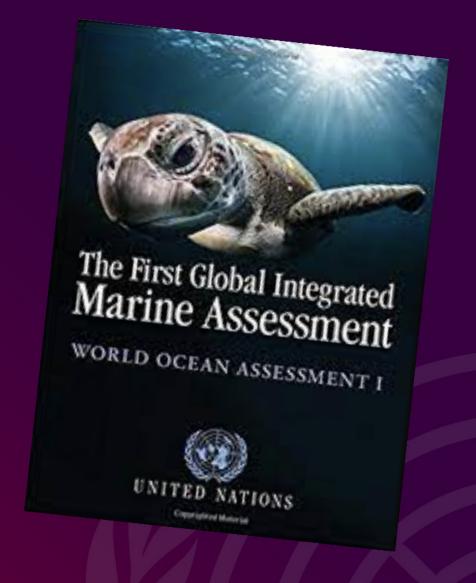


UNDERSTANDING BLUE ENTREPRENEURSHIP/ ECONOMY

The oceans cover 70% of our planet and are fundamental to the wellbeing of the biosphere and our survival. However, human impact has taken an enormous toll on the health of our oceans.

During the UN 2016 Global Integrated Marine Assessment it was announced that:

"The impacts of humanity on the ocean are parts of our inheritance and future. They have helped to shape our present and will shape not only the future of the ocean and its biodiversity as an integral physical and biological system, but also the ability of the ocean to provide the services that we use now, that we will increasingly need to use in the future and that are vital to each of us and to human well-being overall."



Source: UN 2016 Global Integrated Marine Assessment; OECD



The global ocean economy is valued at contributing approximately 3% to the world's GDP, according to a 2016 OECD study. Globally, approximately 350 million jobs are linked to the oceans through fishing, aquaculture, coastal and marine tourism, and research activities. Further, many ocean-based industries have the potential to outperform the growth of the global economy as a whole, including boosting employment. Over the next 15 years and through to 2030, the ocean economy could more than double its economic contribution to the global GDP.

Source: UN 2016 Global Integrated Marine Assessment; OECD



THE BLUE ECONOMY



uses smart shipping to lessen the impacts on the environment



is inclusive and improves the lives of all



harnesses renewable energy



is based on sustainable fisheries



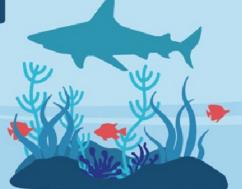
takes action against illegal fishing



conserves marine life and

oceans





protects coastal communities from the impacts of climate change



tackles marine litter and oceans pollution

Source: Ocean Action Hub





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16:15 - Q&A session

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Panelists







Ms. Angelique Antat

Principal Secretary,
Entrepreneurship and Industry Department,
Ministry of Investment,
Republic of Seychelles









THE REPUBLIC OF SEYCHELLES

Panelist:

Principal Secretary of the Entrepreneurship and Industry Department, Ms. Angelique Antat, Ministry of Investment, Entrepreneurship and Industry, Republic of Seychelles









GEOGRAPHICAL FACTS

The pillar of the economy is tourism.

Why Seychelles must stop relying solely on tourism?

- Volatile industry.
- Weaknesses exposed during COVID-19.



1.358 square kilometres of ocean.

Why Seychelles must explore Blue Economy?

- Perfect position to explore our resources.
- Reduce reliance on tourism.
- Introduce sustainability in the preservation of our islands.









Seychelles has been an advocate for sustainable marine ecosystem.

The Blue Economy Roadmap 4 Key Pillars:

- Economic Diversification and Resilience: reduce economic vulnerability and reliance on a small number of sectors and to increase the % GDP derived from marine sector.
- Shared Prosperity: create high value jobs and local investment opportunities.
- Food Security and well-being.
- Integrity of Habitats and Ecosystem Service, sustainable use, and climate resilience.







Seychelles' Conservation Climate Adaptation Trust (SeyCCat):

- Vision: SeyCCAT envisions for Seychelles' ocean and islands to be stewarded by the people of Seychelles, generating sustainable benefits for future generations to share.
- Mission: SeyCCAT strategically invests in ocean stakeholders to generate new learning, bold action and sustainable blue prosperity in Seychelles.

Eco-Sul Consulting and SeyCCAT conjunctly conducted a study in partnership with Enterprise Seychelles Agency (ESA).

Why can't our young entrepreneurs venture into Blue Economy successfully?

- Lack the ability to identify and create sustainable job opportunities and enterprises in the Blue Economy.
- Are generally risk averse which is why they choose the "copycat" approach.
- Fear failure due to the lack of support hence, making it a major obstacle in starting a business, amongst others.

















Government of Seychelles is the recipient of a Grant from the Fund for African Private Sector Assistance (FAPA) to assist in the financing of the Support to Blue Economy MSMEs Technical Assistance Project.

Components of the project:

- Enhancing development opportunities in the Marine Biotechnology sector;
- Reinforcing technical capability in Research and Development and setting-up of an incubator for MSMEs; and
- Capacity building and fostering a culture of entrepreneurship.





CONSTRAINTS

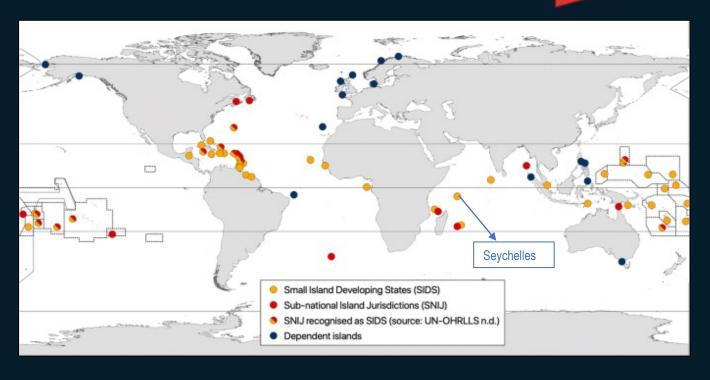


COVID-19 has made us rely heavily on the use of technology!

We must push for easier adoption to provide a platform for success for our entrepreneurs and MSMEs.

Seychelles as a Small Island Developing State is faced with the following constraints:

- Scarce land;
- Lack of infrastructural and technological support;
 and
- Limited ability to conduct Research and Development.







WHAT IS NEXT FOR SEYCHELLES?

- Science, Technology and Innovation Policy Review to teach our entrepreneurs and MSMEs to be confident.
- With assistance of UNCTAD and AFDB we should have in place our Entrepreneurship Policy Strategy and EMPRETEC Seychelles.
- Policy review and EMPRETEC Seychelles will provide us with the much needed framework for successful dive into Blue Economy.



Seychelles undoubtedly looks forward to contributing more extensively to the development of a Blue future!





THANK YOU



Dr. Paul Pounder

Professor and Director of MBA Program, St. George's University, West Indies









Blue Entrepreneurship and MSMEs resurgence The case of Barbados

Dr. Paul Pounder

St. George's University





Impact of COVID 19 on the blue economy



- Pressure to fish and sell from home environment as fish markets are closed and access restricted reduced standards.
- Decreased law enforcement at sea as energies are focused elsewhere. Protected fishing areas left vulnerable.
- Traditional supply chains are disrupted cruise lines, hotels and restaurants cease operations. Reduced opportunity to sell fish.
- Water sports are stopped No sport fishing, no jet skis, no leisure craft. Less activity around shore reefs.
- Beach workers' trade at a stand still No umbrella or beach chair rentals, no beach bars opened, no beach massages or beach parlor treatments. Linked to reduction of waste on the beach.
- Blue economy workers (fisherfolk and beach operators) and their families shared a similar fate with other workers that could not apply their trade. However, these blue economy workers are already among the most disadvantaged in our society.





Noted shifts to Blue Economy



More part time fishermen and hobby fishers are spending more time fishing.

More consumers are trending to buying local fish as international stock (salmon and lobster) has been reduced due to disrupted supply chains.

More consumers are buying fish from local fish markets and avoiding super markets.





Blue entrepreneurship adaptations from COVID-19 crisis



- The closure of fish markets lead to selling from Fisherfolks' homes and home delivery services.
- Decline in demand from supermarkets, restaurants and other traditional channels meant more stockpiling in local refrigerated facilities
- Consumer preferences for contactless deliveries
- Longer lines at fish markets with controlled entrances (6-ft apart and temperature checks)
- Reduction in the number of middlemen for health reasons





Government Policies and Initiatives – Blue Entrepreneurs



- The Ministry of Maritime Affairs & Blue Economy started in 2018
- Upgrade of several fish markets- development of attractive spaces that promote vending and entrepreneurship to encourage access to local goods.
- Make markets self sustainable with solar panels for energy and ice makers.
- Upgrade fishing facilities to the WTO phytosanitary standards to gain access to the European market
- Enhance fish landings around island
- Setting up Fish Aggregating Devices (FADS) which allow fishermen to know where to go and get fish
- Offer technical assistance and funding to fisher folks innovative boat financing tools build and lease
- Several other initiatives exist that encompass integrating local lifestyles and businesses
 - Single use plastics
 - Turtle project
 - Sargassum control
 - Lion fish





Sustainable use of marine resources



- 1) To date there is some activity towards marine resources sustainability
 - Reduction in the use of single use plastics
 - Cleaning of beaches and shores
 - Education in marine knowledge
- 2) Areas for improvement
 - Avoiding overfishing and setting up quotas
 - More scientific research on ocean ecosystem especially with recent volcanoes and earthquakes in surrounding areas







In closing

A sustainable blue economy only emerges when there is a balance between longterm capacity of ocean ecosystems and the economic activity derived from the ocean.

We have started the process towards a sustainable blue economy but there is still a long way to go.





Ms. Nicole Leotaud

Executive Director, Caribbean Natural Resources Institute, Trinidad and Tobago











Who in the blue economy is drowning?

COVID-19 and Caribbean local blue enterprises

UNCTAD-UNITAR Webinar: Blue entrepreneurship and MSMEs resurgence

May 27, 2021

Nicole Leotaud

Caribbean Natural Resources Institute (CANARI)







Community-based informal microenterprises are a pathway to an inclusive blue economy



Apiculture in mangroves



Community-based ecotourism



Mariculture farming 'seamoss' algae













"We are not all in the same boat. We are all in the same storm."

Damian Barr, writer and broadcaster

Illustration: Barbara Kelley, WSJ Opinion





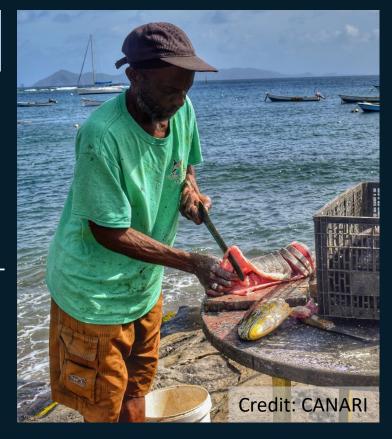


Challenges faced by Caribbean local blue enterprises



Institutions are disconnected from the needs of local blue enterprises

- Legal, regulatory and fiscal framework not in place to support hybrid social-green/blue community enterprises
- Limited existence of micro-finance and inaccessible by informal microentrepreneurs
- Business support services do not target/accommodate local blue enterprises



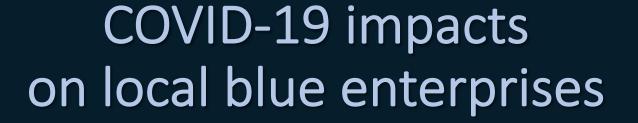
Biodiversity loss and climate change are impacting along value chains

- Coastal mangroves, coral reefs and other ecosystems being lost and degraded
- Climate change impacts along the value chain: sea level rise and warming, more intense storms and hurricanes, higher storm surge, droughts



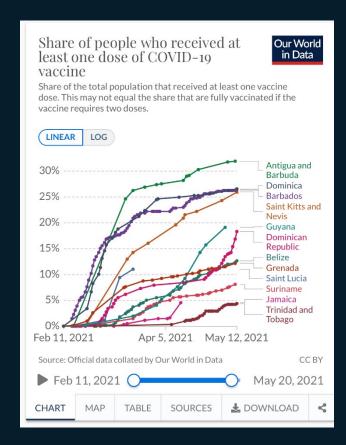








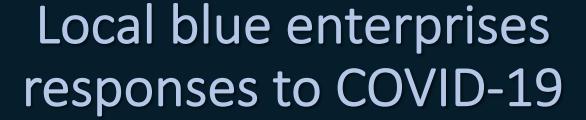
- Restricted operations and access to customers due to local lockdowns
- Closure of access to international markets borders closed so no international tourists; international shipping reduced
- Competition and unsustainable use by coastal communities seeking subsistence and survival
- Bureaucracy blocked access to social safety nets and COVID-19 relief
- Limited access to health services and vaccines in the Caribbean mean risk aversion and long-term worries





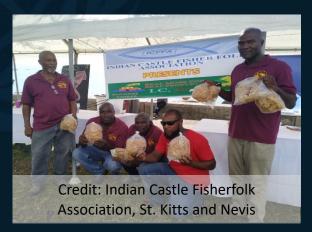








- Innovating to reach local markets
- Exploring value-added products
- Developing capacity to use ICTs for marketing and promotion
- Forming partnerships among enterprises within and across countries





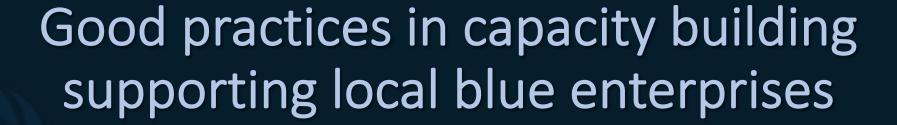














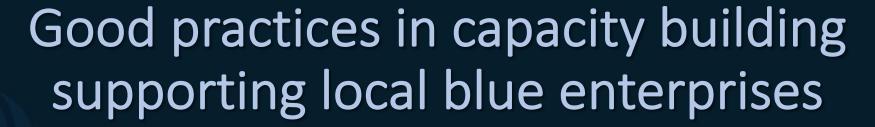
- 1. Mentoring to build capacity in marketing, business management and organisational strengthening
- 2. Providing access to micro-finance with mentoring
- Building capacity to use ICT tools to access digital markets and support
- 4. Climate proofing along their value chains
- Fostering peer knowledge exchange and partnerships among enterprises and with those who can support them





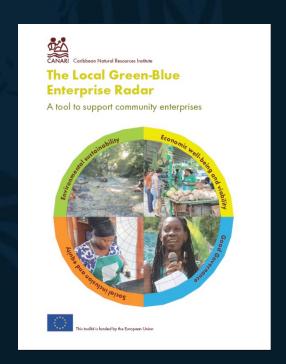


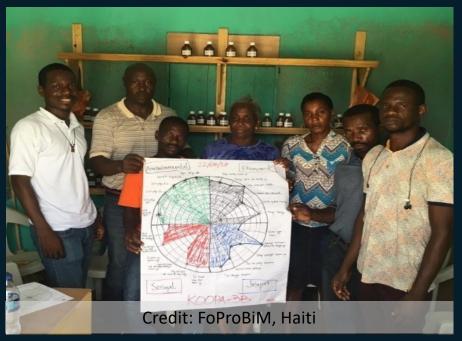


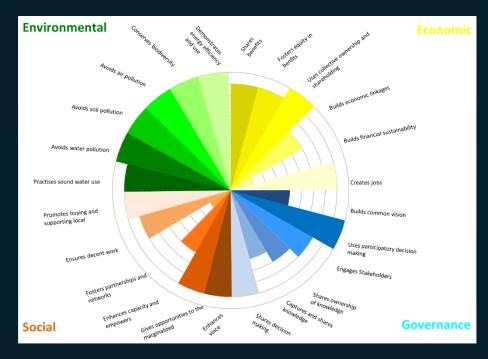




6. Strengthening delivery of triple bottom-line benefits













Recommendations to support local blue enterprises for a just COVID-19





recovery

- Invest in protecting and restoring coastal and marine ecosystems as the "blue capital" supporting local livelihoods and for climate adaptation
- 2. Measure the 'invisible' micro and informal enterprises and communicate impact to pull in additional support and partners
- 3. Build awareness of local products to develop local markets
- 4. Develop **targeted** policy, legislation, regulations, capacity building and micro-financing programmes
- 5. Protect them from investment in "big" blue economy initiatives that push them out of access to resources and the market
- 6. Allocate resources to civil society organisations and other intermediaries to scale out on-the-ground support and channel micro-finance







Q & A session







Ms. Tatiana Glad

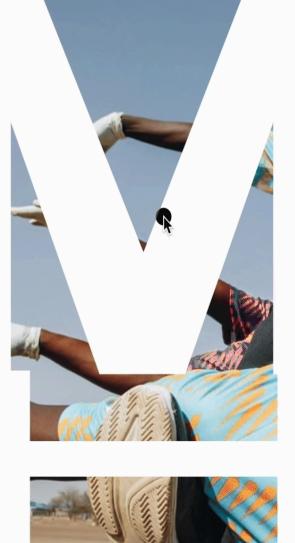
Co-founder of Impact Hub Amsterdam, Netherlands



















About Impact Hub

Our purpose: accelerating the new economy, one that works for all, where impact is the norm.

How: We build the ecosystems that are needed for a just and sustainable society, where you can activate your first steps in sustainability, source and match innovative solutions, and accelerate your impact. We have 4 focus areas where we seek to contribute to systemic change: Food, Circularity, Fashion, Inclusion







12+

Years of experience in accelerating impact businesses

4000+

Alumni from our start, grow, scale programs

50+

Programs run by Impact Hub Amsterdam

90%

Of our growth program alumni make it!

€18M

Growth alumni companies have so far raised over €18M in funding.

17,000+

Alumni can connect with 17,000+ Impactmakers in our worldwide network to grow their businesses







Global network.

One of the biggest impact networks around the world.



Impact Acceleration

12,800+
STARTUPS
Were founded at Impact Hubs
between 2012 and PROGRAMS ANNUALLY

2020

We are of the world's largest multistakeholder communities and accelerators for social impact, with a unique global reach across developed and emerging markets







Examples of entrepreneurship for our Blue Economy









Ioniqa

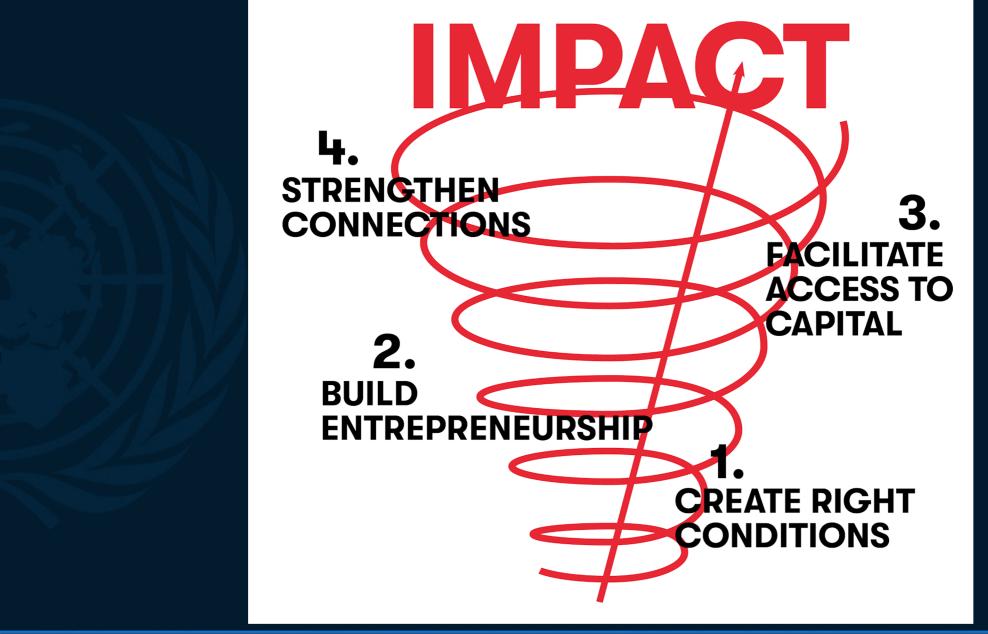




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TOWARDS A MORE RESILIENT ECONOMY

The Contribution of Impact Entrepreneurs

A Perspective Paper by Impact Hub Amsterdam and Amsterdam Impact - July 2020













Join in the transition.

Feel free to reach out tatiana.glad@impacthub.net







Mr. Timothy Bouley

CEO of BioFeyn, France



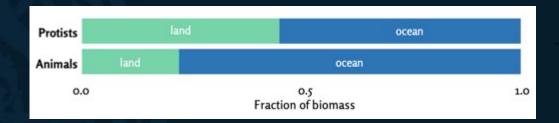




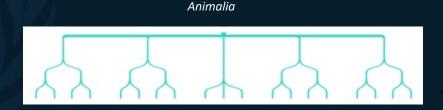


The ocean contains more animal biodiversity than on land.

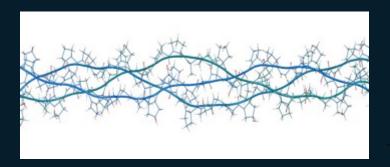




By mass, more than ¾ of all animals reside in the ocean and it is home to the majority of protists (e.g. protozoa, algae, mold)



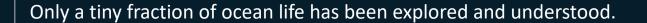
32 of 33 animal phyla exist in the ocean and 15 varieties are exclusively present in the ocean



More than 40,000 unique biochemical compounds have been isolated from sea creatures









We have identified only 10% of animal life in the ocean, stored biological samples of 0.2%, and assembled genomes of 0.0025%

WHAT WE KNOW

200,000 Identified marine species



4,000Species for which we have biologic samples



500Species for which we have genome assemblies

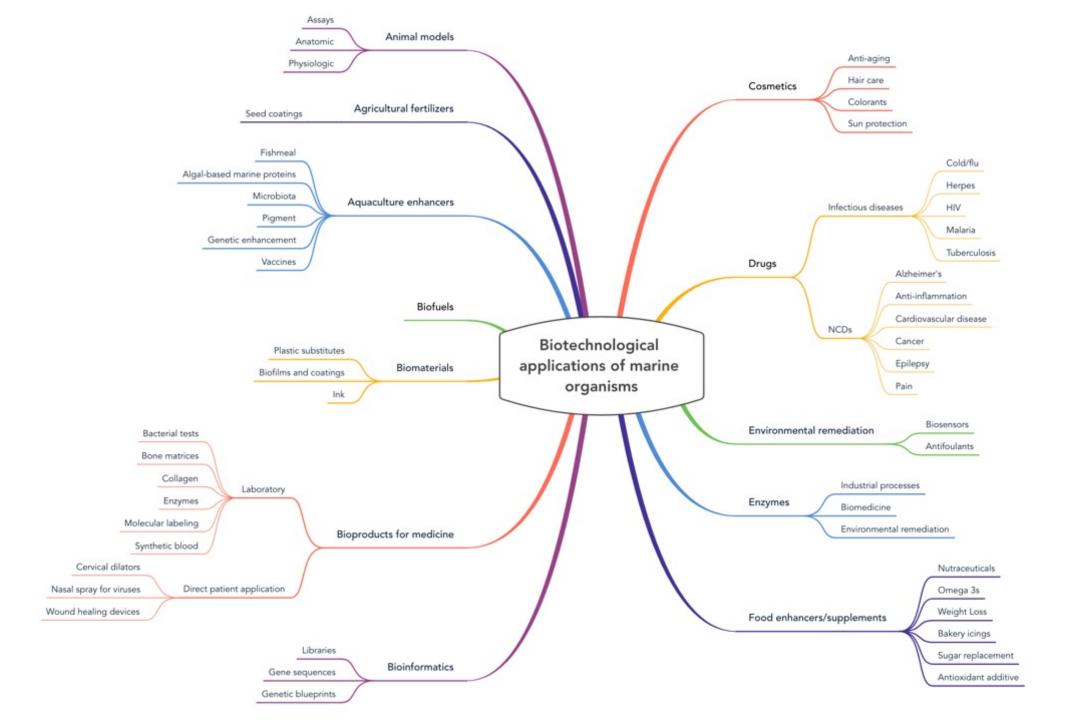


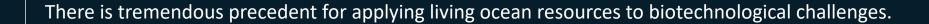
WHAT WE DON'T KNOW























13 Nobel Prizes in medicine or chemistry

action potential kidney function vision fertilization immune system Dozens of approved and pipeline drugs

HIV
Herpes
pain
hyperlipidemia
cancer
infections

Laboratory applications

molecular marking bacterial testing cell culturing catalyzing Surgical bioproducts

skin grafts bone matrices oxygen carriers Cosmetic applications

anti-aging moisturizing toning sun protection

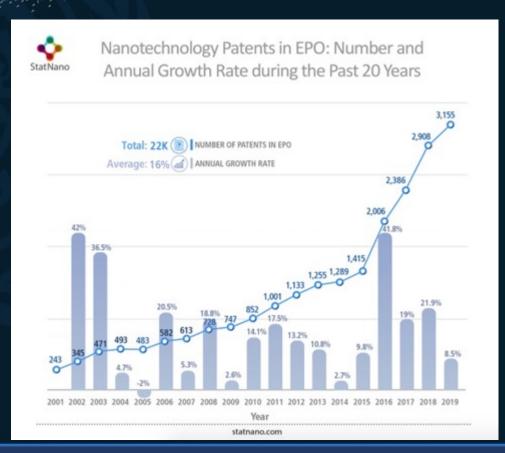




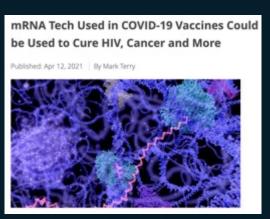




NANOTECH RENAISSANCE







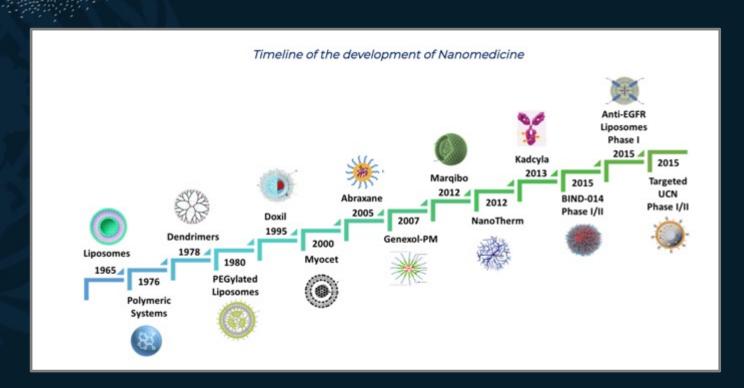








COVID-19 VACCINE SCIENCE



"It is a tremendous vindication for everyone working in controlled drug delivery" - Robert Langer













BIOFEYN SOLUTION





Ordinary aquafeed



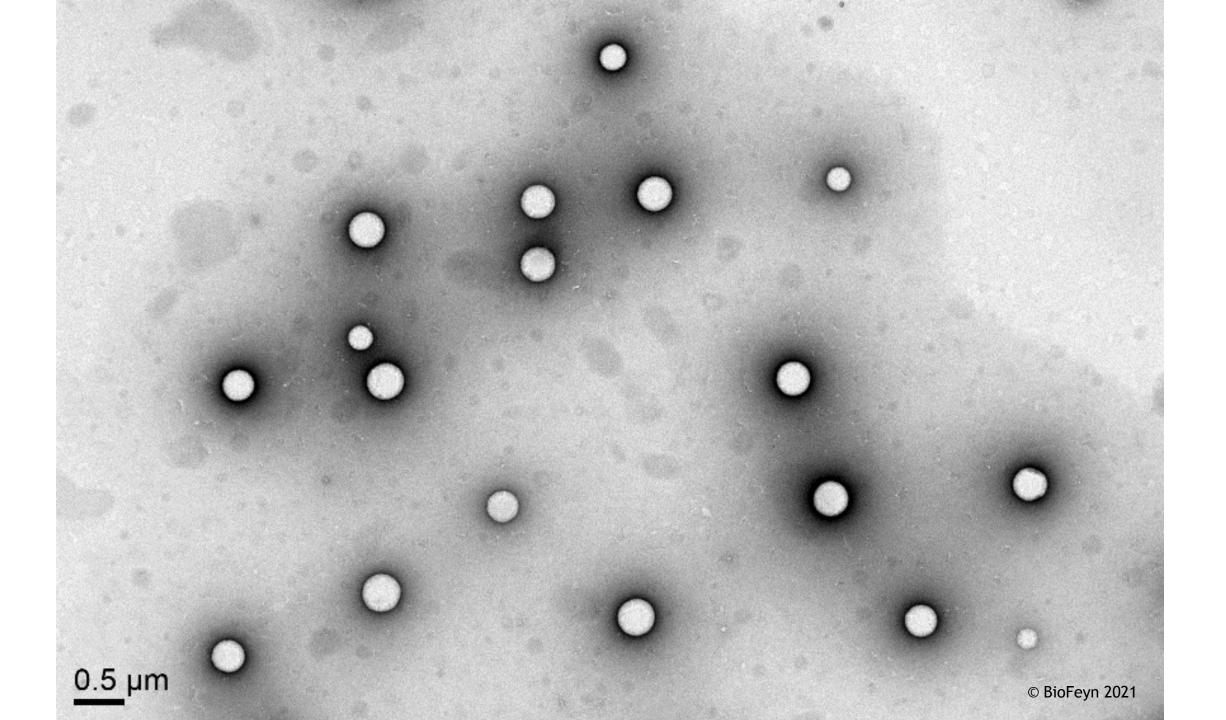
Feed additive (a.k.a. Feyn)



BioFeyn-enhanced feed









EXPONENTIAL IMPACT



Shelf life

+50%

Ingredient protection in salt water

10x

Palatability





Ingredient protection in stomach

10x

Bioavailability

20 to 185x

Inflammation reduction

8x



Growth rate

+30%

Improved survival

+40%

Reduction in ingredient quantity

10x





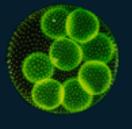
NUTRIENTS











OMEGA-3s

VITAMINS

PHYTOGENICS





BETTER FISH

BIOFEYN SALMON



- Guaranteed high omega-3s
- High astaxanthin
- High iron
- High amino acids
- High micronutrients
- Environmentally friendly
- Better taste

REGULAR SALMON



- Less nutritious
- More polluting
- Uncertified





WHY NOW?

Oceans are trending in public consciousness and demand for ocean-safe products BINAR and services is growing.



Global Cooperation







Public Awareness Campaigns











Ocean-Branded Biotech Companies











Media

















Ms. Judith Underwood

CEO of Blue Institute Labs, U.S.A.











ENTREPRENEURSHIP AND MSMEs RESURGENCE

1). What are the latest innovations in Blue Tech?

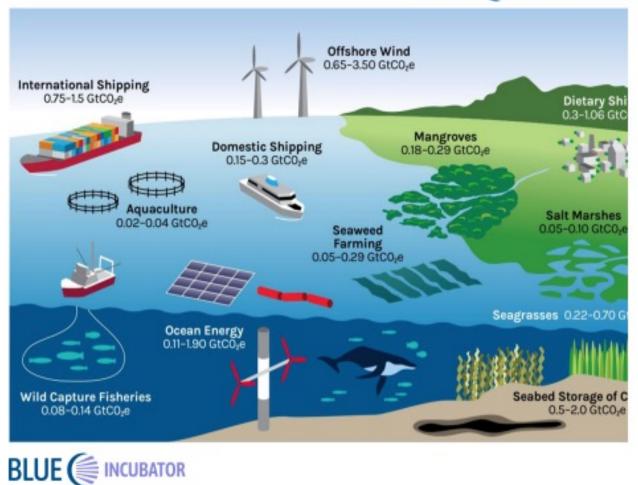
2). How can start-ups engage in this sector?

3). Lessons learned - are they transferrable in developing countries?









Ocean based
Mitigation Options
and Associated
Annual Mitigation
Potential in 2050_

Source_The Ocean Panel_2019











- 12-month international
 Cohort of 24 Blue startups
- Mentoring & introductions
- Teaming opportunities
- Networking and socializing
- Ecosystem lead speakers
- Pitch contests
- Demonstration day







Call for Technical Mentors in BlueTech & Blue Economy



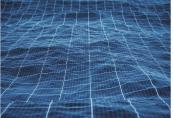
WINTER 2021 REMOTE PROGRAMMING ADVANCED TOPICS: PILOTS & PROTOTYPING













Join BLUE Institute Labs in supporting Startups in design, facilitation, and best practices for successful "Pilots & Prototyping"

For more information and to Register go to https://blueincubator.com/call-for-mentors















SERIES



Q&A session







Thank you!



