

Interreg Caraïbes
 Fonds européen de développement régional



06/04/2022

07 april 2022 WebinaR : "Collection and valorization of sargassum in the Caribbean : issues and prospects"

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Sargassum is a biohazardous seaweed that cost the Caribbean \$120M to clean up in 2018



It's bad
for people's health



It's bad
for tourism



It's bad
for sea life



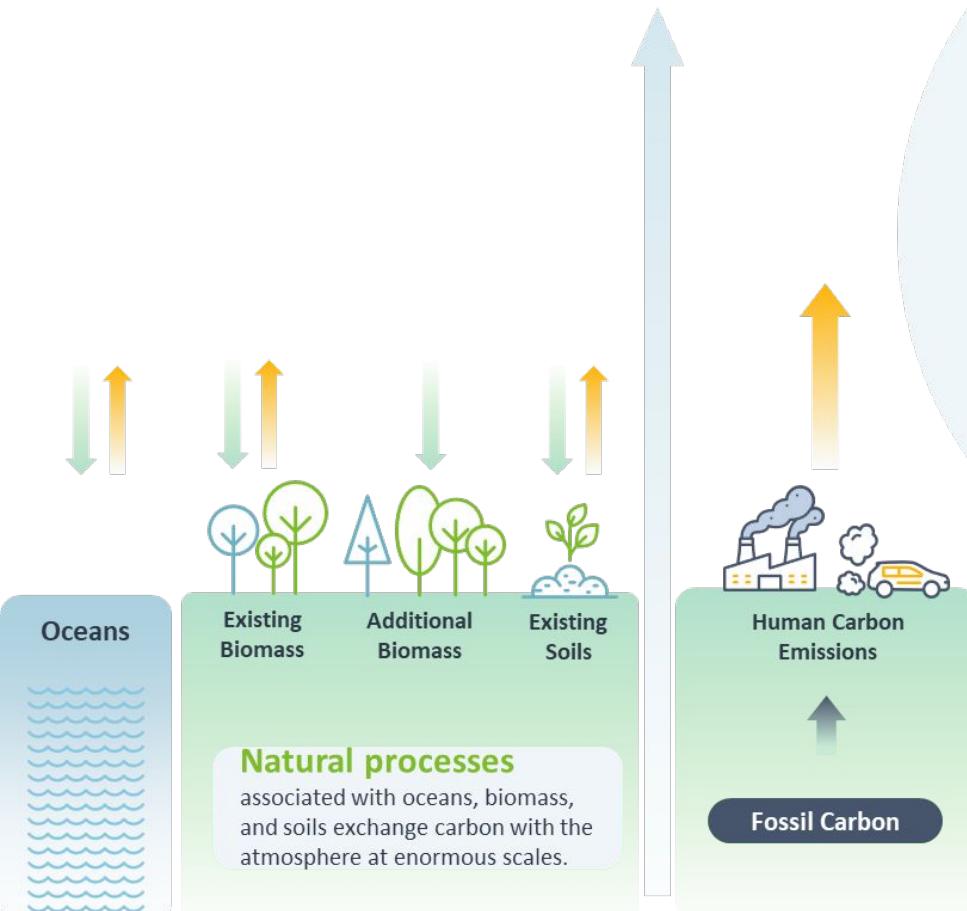
- This toxic macro-algae blooms from March to October.
- Climate change makes it worse every year.
- Guadeloupe will spend €4M+ to find ways to remove it from beaches within 48 hours.

SMO will build a plant in Guadeloupe to transform Sargassum from a cost into a major opportunity

The Race to Zero is “On”

The Problem

Human activities such as fossil fuel use release additional carbon into the atmosphere, creating a carbon imbalance.




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SARC'COOP
 Prise en compte des conséquences
 futur contre les élégis ciblées

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Operating
75
SMO® lines

Up to
0,8 TWh
Of Energy

Reducing CO₂ concentration from the atmosphere

Through
BECCU Technology

BioEnergies
to avoid new CO₂



**Green
Hydrogen** **Stable Green
Electricity**



**Green
Hydrogen** **Stable Green
Electricity**

**Decentralized, circular
economy-based, modular
systems to produce
competitive,
Zero-Carbon energy.**

CCU
to store old CO₂



Biochar Activated Carbon Carbon Black



Activated Carbon Black



Ecological products for existing ecological needs

- We build SMO plants: autonomous, profitable, decentralized systems

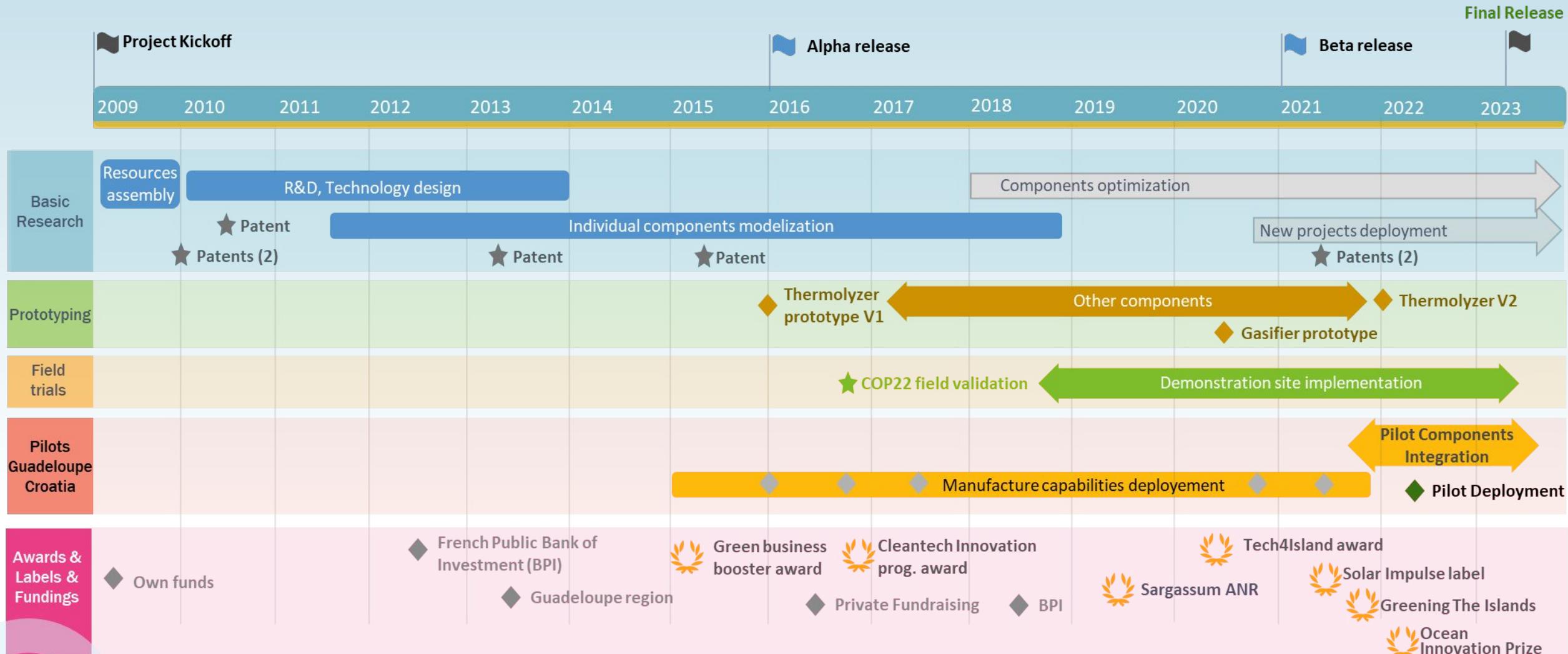


- 1  Energy autonomy
 - 2  Ecologic value
 - 3  Economic value
 - 4  Modular / Adaptability

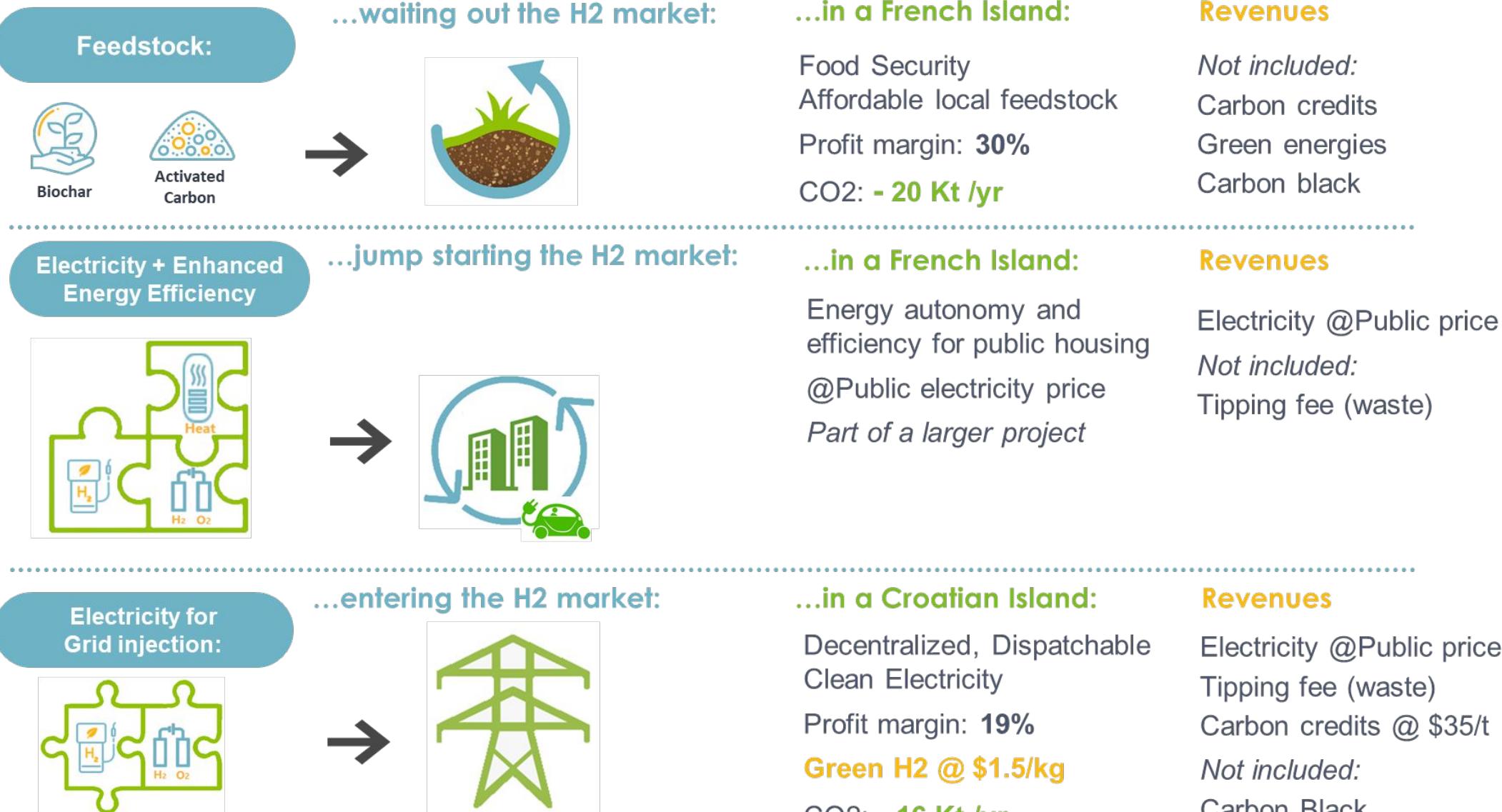
Bottom line:



From Inception to Setting up the first Commercial Pilots: a 10-year journey with visible results



Use Cases :



From sargassum to leading on energy transition?

- Limited space, no economies of scale
 - Dependence on fuel imports
 - Insufficient transportation networks
 - Inefficient waste and wastewater management
 - Electricity costs 2 to 10x mainland costs

Most vulnerable, yet not leading the charge!

Small Island Developing States

58 SIDS in total



SIDS	65 M	8 805 MW	\$4.0 Bn
European Island territories	20 M	3 000 MW	\$0.9 Bn
US Island territories	5 M	3 700 MW	\$1.7 Bn

Clean Green Profit Machines

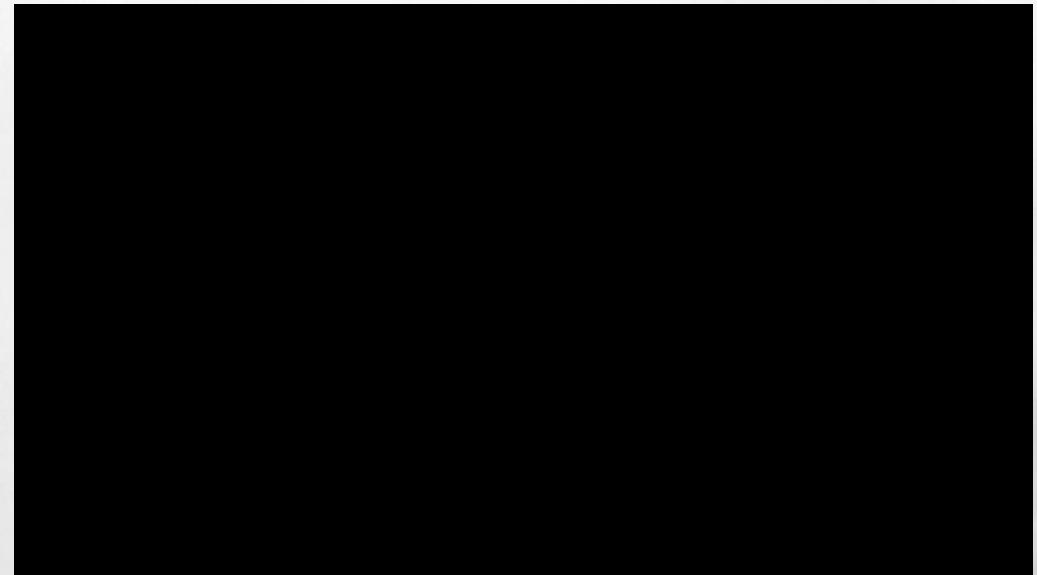


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