

Thomas Sisk

University of Exeter

 @SAGB



Infrastructure
and Environment



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RECYCLING OCEAN RESOURCES

Presentation SAGB Conference – May 2024

Thomas Sisk, MBA – University of Exeter
Principle Investigator / Project Manager

Thibault Tilquin – Recycling Ocean Resources
Project manager



Recycling Ocean Resources (ROR)

- Belgium-based MarineTech start-Up
- Founded in 2021
- Circular mission with a focus on natural oceanic waste
- Chitin ($(C_8H_{13}O_5N)_n$)



RECYCLING OCEAN RESOURCES

www.recyclingoceanresources.be

Our Vision

- Crustacean waste can become a source of innovation

Our Mission

- Investigate strategies to generate high value solutions from those waste streams
- Promotion of a circular economy based project idea

First Feasibility Study

Implementation of a valorisation scheme for
crustacean waste



Second Feasibility Study

From crustacean waste to battery electrodes



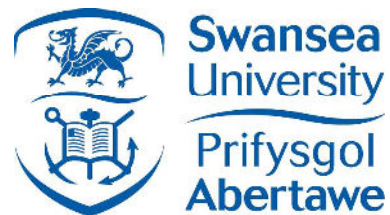
Department
for Environment
Food & Rural Affairs



UK
SEAFOOD
INNOVATION
FUND

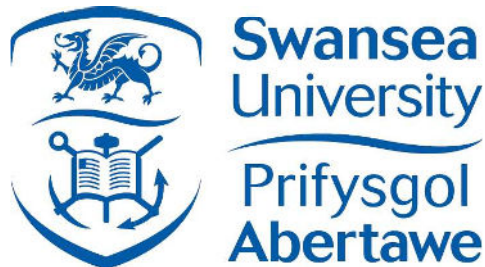


Centre for Environment
Fisheries & Aquaculture
Science



Research & Development

From crustacean waste to battery electrodes



Research Outputs: From crustacean waste to battery electrodes



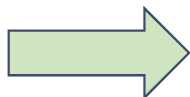
- Scientific studies on microbial extraction methods of chitin
- Techno-economic assessments



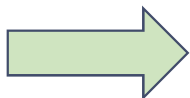
- UK market study and legislation
- Business Plan / company strategy
- Managing multi-disciplinary project



- Chitin conversion into Biochar
- Techno-economic assessments



- Biochar testing in battery electrodes



- Lobbying and championing project



ULB UNIVERSITÉ
LIBRE
DE BRUXELLES



The BioMatter Lab



Benefits for Crab Producers:

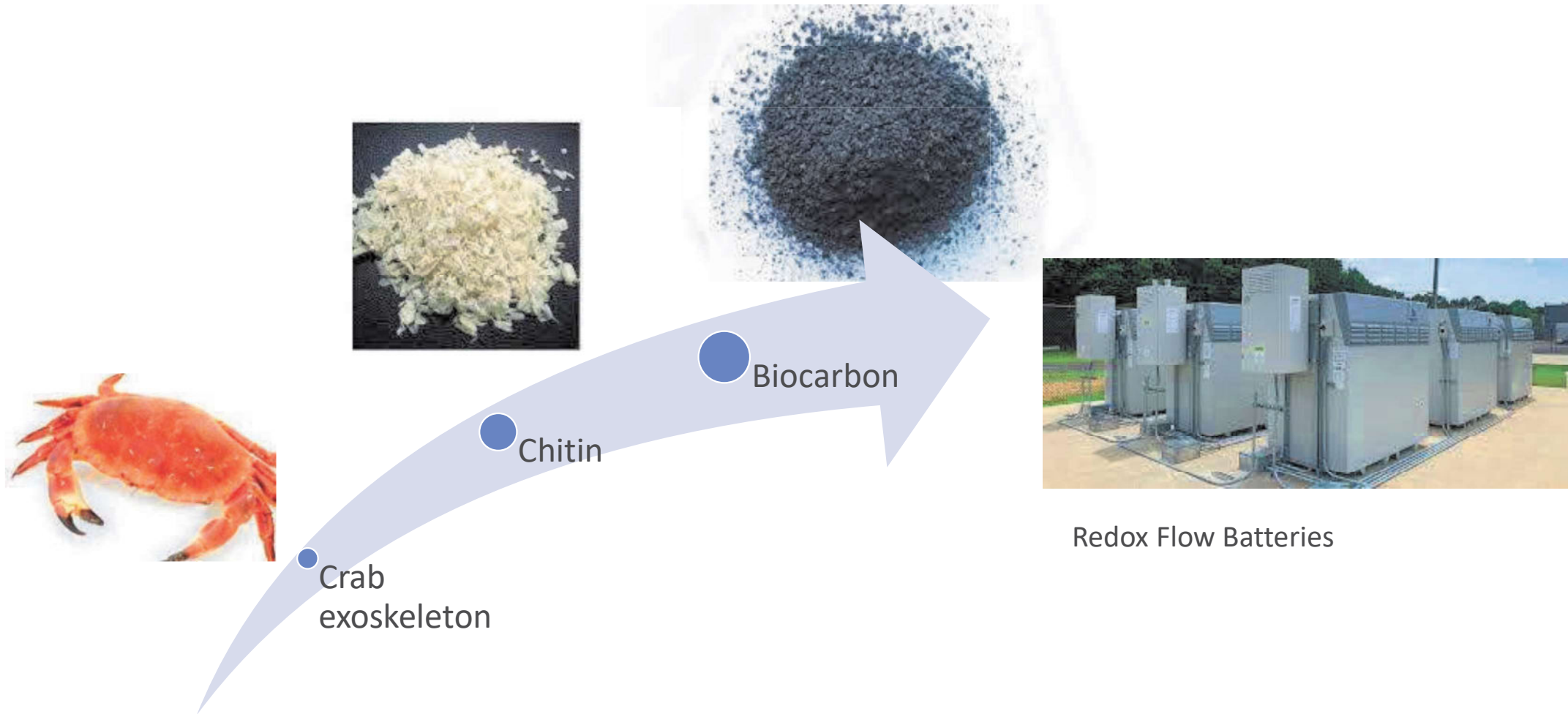
- Waste management option for crab producers
- Feeding into circular economy project
- Substantial cost savings



Collection and Processing : From Macerator to Production plant



The Value Chain: A circular module



COLLABORATION IS KEY



Crab
exoskeleton

Chitin

INDUSTRY
PRODUCERS

More info, Questions & Contact

- www.recyclingoceanresources.be
- info@recyclingoceanresources.be



Bio: Thomas Sisk, MBA



Thomas is currently a full-time senior lecturer and program director at the University of Exeter Business School, holds an MBA, and is completing his doctoral studies at the University of Portsmouth. Thomas spent 25 years working in Capital Markets for ICAP, Fortis Bank, and BNP Paribas and was based in Brussels, Paris, London, and New York. Thomas retired from the financial sector in 2016 to focus on a career in academia and entrepreneurship. Currently, Thomas teaches courses in finance and portfolio management at undergraduate and MBA levels. Thomas is a finance expert and project manager who has access to a wide network of future investors.

Thomas is responsible for coordinating the different research teams, funding applications and raising capital for scale-up and production. He oversees and coordinates future business development processes as part of the collaboration between the University of Exeter and ROR.

[Thomas Sisk, MBA – University of Exeter Principal Investigator and Project Manager.](#)



54th Annual Conference

Shellfish Association of Great Britain

#SAGB54