PRACTICE ABSTRACT NO. 12

SWOT analysis – Cantabrian sea

Main results / outcomes

The Cantabrian sea pilot located in Spain will obtain protein hydrolysates for fertilizer production from tuna canning waters, fish viscera, fish filleting industries, and inland aquaculture waste by using membrane technologies and enzymatic hydrolysis. Spain is the highest producer of fresh vegetables, citrus fruits, and olives in the EU. It has the biggest fishing industry in the EU and produced 1.3 million tonnes of fish in 2018 with a production of 283.000 tonnes of canned tuna. **The SWOT analysis** gave an overview of internal and external factors for the Cantabrian Sea pilot case.

Practical recommendations

The main **strengths** include widespread applicability, possibility of integration into production systems, contributions to waste reduction, GHG emission reduction and water consumption, boost to the local economy, agriculture and fish industry. **Weaknesses** include required support of the project, technology implementation and operation costs, seasonality of input streams and lower yields than conventional types of technologies. **Opportunities** include significant waste reduction hence reduction of disposal costs, creating green jobs and income from waste sources, incentivized investments and efforts made by EC to favor BBFs over mineral fertilizers, and increased know-how development. **Threats** include low overall population awareness, hard market infiltration, difficulties being competitive within the market, EU reliance on imported nutrients and challenging existing national and EU legislation.

Fig 1: Cantabrian sea pilot area

Fig 2: Cantabrian sea (source: freepik.com)

Further information

The Cantabrian Sea Area case - https://sea2landproject.eu/cantabrian-sea-area-case/

About this abstract

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SEA2LAND project is a collaborative Innovation Action(IA) funded by the EU in the frame of the Horizon 2020 programme. The project aims to provide solutions to help overcome challenges related to food production, climate change and waste reuse. Based on the circular economy model, SEA2LAND promotes the production of large-scale fertilisers in the EU from own raw materials. This solution is expected to reduce the soil nutrient imbalance in Europe.
The project is running from January 2021 to December 2024.
Website: www.sea2landproject.eu

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PRACTICE ABSTRACT NO. 12

SWOT analiza – Kantabrijsko more

Glavni rezultati/ishodi

Kantabrijski pilot lociran u Španjolskoj će proizvesti hidrolizate proteina za proizvodnju gnojiva iz otpadnih voda nastalih konzerviranjem tuna, riblje utrobe, otpada industrije filetiranja ribe i akvakulture korištenjem membranskih tehnologija i enzimatske hidrolize. Španjolska je najveći proizvođač povrća, citrusa i maslina u EU. Najveći je proizvođač ribe u EU 2018 s ukupnim iznosom proizvedene ribe od 1.3 milijuna tona, i 283.000 tona konzervirane tune. **SWOT analiza** daje pregled unutarnjih i vanjskih čimbenika koji utječu na Kantabrijski pilot.

Praktične preporuke

Glavne identificirane **snage** uključuju široku primjenu i implementaciju u postojeća postrojenja, brojne koristi koje doprinose smanjenju količine otpada i potrošnje vode, benefiti za lokalnu ekonomiju, poljoprivrednu i ribarsku industriju. **Slabosti** uključuju potrebnu podršku i podupiranje projekta, troškovi implementacije tehnologije i operativni troškovi, sezonalnost sirovina i manji prinosi u odnosu na konvencionalne tipove tehnologija. **Prilike** uključuju značajno smanjenje količine otpada što smanjuje troškove odlaganja, otvaranje novih radnih mjesta, inicijative i ulaganja od EK zbog favoriziranja organskih gnojiva u odnosu na mineralna, razvoj vještina. **Prijetnje** uključuju nisku osviještenost populacije, teški prodor na tržište i problem oko postizanja konkurentnosti, ovisnost EU-a o uvoznim nutrijentima, izazovi za postojeće državne i EU regulative.

Fig 1: Kantabrijsko pilot područje

Fig 2: Kantabrijsko more (izvor: freepik.com)

Dodatne informacije

The Cantabrian Sea Area case - https://sea2landproject.eu/cantabrian-sea-area-case/

O ovom sažetku

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Datum: Lipanj 2022.

SEA2LAND je projekt u sklopu Inovacijske aktivnosti (IA) financiran od strane EU u sklopu Obzor 2020 programa. Cilj projekta je pružiti rješenja koja će pomoći u savladavanju izazova povezanih s proizvodnjom hrane, klimatskim promjenama i oporabom otpada. Na temelju modela kružne ekonomije, SEA2LAND promiče proizvodnju gnojiva u EU iz vlastitih sirovina. Očekivano je da će ovo rješenje smanjiti neuravnoteženost hranivih tvari u tlu.
Projekt traje od siječnja 2021. do prosinca 2024.
Web stranica: www.sea2landproject.eu

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