

SWOT analysis – Adriatic sea

Main results / outcomes

The **Adriatic sea pilot** located in Italy will obtain bio-based fertilizers by combining methodologies based on pyrolysis and composing of mussel shells and organic fraction. Italy's agriculture is based on grains, soybeans, meat and dairy in the northern part and fruits, vegetables, olive oil, wine in the southern part. In 2018, Italy produced 0.3 million tonnes of fish with 32% of the value coming from aquaculture and 68% from fisheries. **The SWOT analysis** gave an overview of internal and external factors for Adriatic Sea pilot case.

Practical recommendations

The main **strengths include** low or no cost of input streams for production of bio-based fertilizer, strong knowledge of technologies, reducing waste, ease of transferability and upscaling of technologies, possibility of integration into production systems, wide spectrum of products. **Weaknesses** include implementation and technology costs, low quantity of raw materials to be relevant, seasonality of fish production, difficulties in operation and logistics. **Opportunities** include creation of green jobs, possible incentives by EC, raising awareness, growing cost of conventional fertilizers and waste reduction thus reducing disposal costs. **Threats** include low awareness of the population, challenging EU and national regulations and policies, difficulties in harmonization/standardization of bio-based fertilizers as well as uncertainty in product's sustainability.



Fig 1: Adriatic sea pilot area



Fig 2: Adriatic sea (source: [freepik.com](https://www.freepik.com))

Further information

The Adriatic sea area case - <https://sea2landproject.eu/the-adriatic-sea-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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SWOT analiza – Jadransko more

Glavni rezultati/ ishodi

Jadranski pilot lociran u Italiji će proizvesti biognojiva kombiniranjem tehnologija baziranih na pirolizi i kompostiranju školjki i organskih ostataka. Talijanska poljoprivreda se bazira na uzgoju žitarica, soje, proizvodnji mesa i mliječnih proizvoda na sjeveru i voća, povrća, maslinovog ulja i vina na jugu. U 2018 Italija je zabilježila ulov od 0.3 milijuna tona ribe od čega 32% vrijednosti dolazi iz akvakulture i 68% iz ribarstva. **SWOT analiza** daje pregled unutarnjih i vanjskih čimbenika koji utječu na Jadranski pilot.

Praktične preporuke

Glavne identificirane **snage** uključuju niske troškove inputa (sirovine) za proizvodnju biognojiva, dobro poznavanje tehnologija, smanjenje količine gnojiva, lakoća prenosivosti procesa i povećanja kapaciteta mogućnost implementiranja u postojeće sustave proizvodnje, širok spektar dobivenih proizvoda. **Slabosti** uključuju troškove implementacije tehnologije i upravljanja, male količine dostupnih sirovina, sezonalnost proizvodnje, problemi vezani za operativne procese i logistika. **Prilike** uključuju stvaranje novih radnih mjesta, moguće potpore od strane EK, podizanje svijesti, rast cijena umjetnih gnojiva, smanjenje količine otpada što smanjuje troškove odlaganja. **Prijetnje** uključuju nisku opća razinu poznavanja problematike, izazovi za postojeće EU i nacionalne regulative, problematike oko harmonizacije/standardizacije biognojiva i nesigurnost održivosti dobivenog proizvoda.



Fig 1: Jadransko pilot područje



Fig 2: Jadransko more (izvor: [freepik.com](https://www.freepik.com))

Dodatne informacije

The Adriatic sea area case - <https://sea2landproject.eu/the-adriatic-sea-case/>

O ovom sažetku

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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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