



CVT VALORISATION SUD

Marine Technologies

APPPEL: Artificial bait for pelagic longline fishing

CONTACT

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Technology's description

APPPEL is a plastic mould reusable which contains an attractant made from fish solid by-products, in order to catch preferably target species such as thuna or swordfish.

The system can be particularly used for pelagic longline fishing and aims at limiting bait losses. Thanks to APPPEL, no more need to look for extern provider of baits, while it reduces the ecological impact of fishing on the pelagic ecosystem.

The artificial bait is made up of a biodegradable and flexible container tapped to allow the diffusion of the pulp obtained from fish solid by products.

Around 50% of the fish solid by-products (head...) could be converted in pulp directly on the boat.

Advantages

- Add value to both fishery catches and by products
- Reduce catch of protected and non targeted species (juveniles, seaturtles, sharks, birds)
- Improve gear efficiency (reduce bait lost during soak time)
- Avoid baits out of stocks (small scale fishery)

Applications

- small scale, semi-industrial and industrial pelagic longline fisheries.

Intellectual property

Patent

Development level

Experimental proof of concept



Technology transfer

License



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