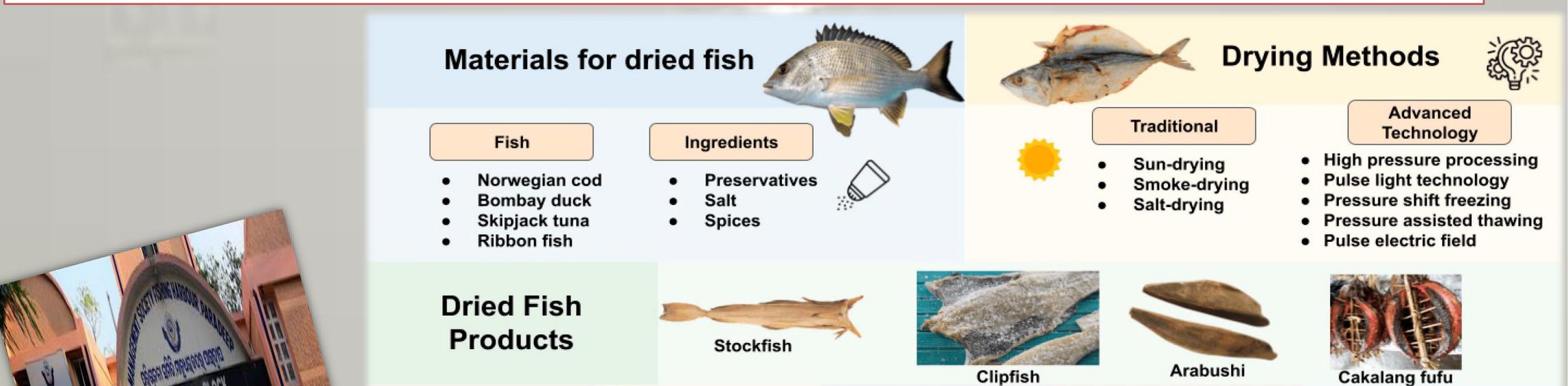
Fish processing and marketing in Paradeep, east coast of India: a sustainable economic goal

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India is one of the largest producers of fish in the world, ranking second in aquaculture and third in overall fish production. With a coastline of 7,516 km and extensive inland water resources, fish processing plays a crucial role in India's seafood industry, contributing significantly to exports, employment, and food security.





Health Benefits Disease prevention:

- Osteoporosis Cancer
- Cardiovascular diseases

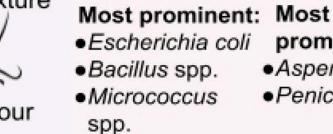
рН	Moisture
a _w TBARS	Lipid Protein

Physicochemical &









Bacteria

Microbial Characteristics Safety Challenges

Fungi

prominent:

Aspergillus spp.

Penicillium spp.



Heavy Metals Microbes



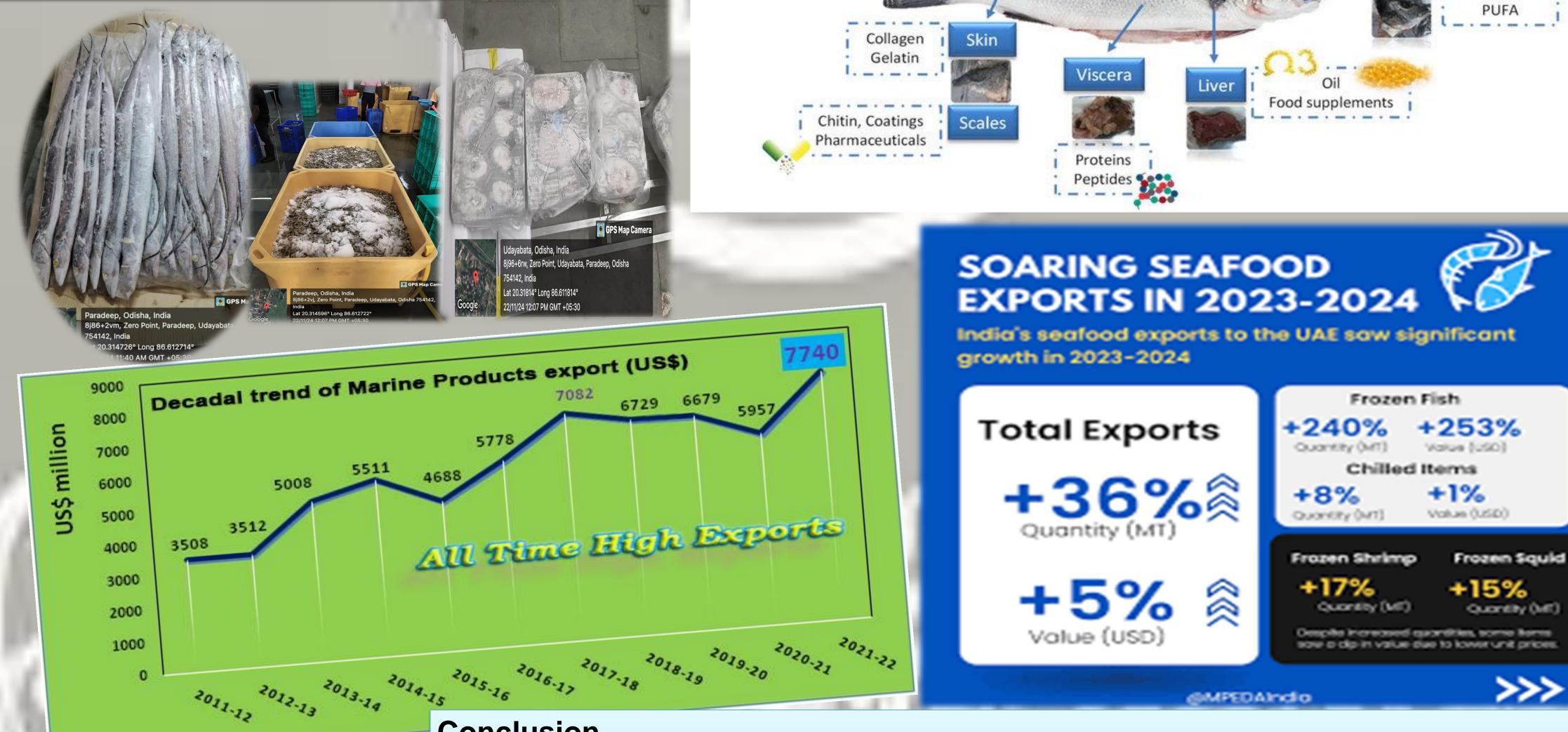
Paradeep has several seafood processing and export units approved by MPEDA. These facilities handle:

Shrimp Processing (Frozen & Value-Added) Fish Freezing & Export (Pomfret, Ribbonfish, Seer Fish, Mackerel, etc.)

Dry Fish Production (Sun-dried fish for

Surimi Processing (Fish paste for ready-to-eat products)

Fish Meal & Fish Oil Extraction (Used in animal feed and nutraceutical





Conclusion

Despite its huge potential, India's fish processing industry faces infrastructure gaps, quality challenges, sustainability issues, and market risks. Strengthening cold storage, adopting modern technology, ensuring traceability, and diversifying exports can improve the sector's long-term growth and global competitiveness.