

Sustainable Fisheries Development Fund - Projects that may benefit from the Fund

Proposed Project	Main Components
1. Organisation of aquaculture/ fisheries training, hands-on practices or study tours	<ul style="list-style-type: none">• To attract newcomers to join the trade and provide training in modern aquaculture management and technique;• To offer on-site practice opportunities, so that participants may get familiarised with the aquaculture operations and the basic techniques; and• To provide opportunities for fish farmers or capture fishermen to experience advanced and sustainable fisheries related operations and business models; acquire knowledge of fisheries resources in different waters, techniques, as well as the legal and regulatory frameworks of different jurisdictions; and to exchange views with members of the trade, experts and scholars of the field in other places.
2. Introduction of open sea/deep water mariculture	<ul style="list-style-type: none">• To introduce mariculture operations in existing fish culture zones or offshore waters in Hong Kong, including the utilisation of cage with seakeeping capability and other complementary facilities; and• To conduct open sea/deep water mariculture trials in the Mainland waters.
3. Introduction of high-density pond fish/marine fish culture operations	<ul style="list-style-type: none">• To advance pond fish/indoor freshwater or marine fish culture technology, install water treatment facilities, carry out research on the application of aquaculture systems requiring less culture space, with a view to enhancing productivity and product quality, as well as minimising the demand for culture space.

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4. Introduction of new aquaculture species	<ul style="list-style-type: none">• To introduce new aquaculture species other than fish, such as shellfishes, molluscs, echinoderms or crustaceans, and perform aquaculture trials, explore the relevant technology and conduct economic analyses.
5. Establishment of hatchery facilities	<ul style="list-style-type: none">• To establish hatchery facilities for different aquaculture species with a view to enhancing the source of fry/seeds; and• To identify the hatchery technology suitable for local aquaculture through conducting tests on different hatchery technologies and carrying out scientific and economic analyses.
6. Development of rapid diagnostic kit and providing veterinary support to fish farmers	<ul style="list-style-type: none">• To develop rapid diagnostic kit through the application of molecular biology for instant identification of pathogen; and• To establish for fish farmers a veterinary support network on fish disease treatment (including prescription services).

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7. Production and processing of local aquaculture products	<ul style="list-style-type: none"><li data-bbox="732 421 1382 741">• To establish standardised operation protocol (SOP) for the production of quality local aquaculture products, co-ordinate the production of relevant fish farms, and develop a sales and marketing platform for the products with a view to establishing standardised procedures from production to sales;<li data-bbox="732 779 1382 1055">• To study, introduce and develop quick freezing, processing, packaging and other value-added technologies for aquaculture products, such as conducting research on and establishing production lines for processed aquaculture products;<li data-bbox="732 1093 1382 1361">• To establish or strengthen the branding of local aquaculture products, such as building a sustainable or environmentally-friendly brand for the products with a view to promoting diversification of local aquaculture products; and<li data-bbox="732 1400 1382 1576">• To design featured locally-processed aquaculture products and explore relevant production technologies and market development, etc.

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8. Promotion of local aquaculture products	<ul style="list-style-type: none"><li data-bbox="735 421 1370 600">• To plan and implement an overall strategy for the promotion and marketing of local aquaculture products with a view to raising public awareness of the products;<li data-bbox="735 636 1370 815">• To conduct market research with a view to understanding the market demand and the preference of customers for strengthening promotion; and<li data-bbox="735 851 1370 1070">• To engage professional organisations to draw up district-level promotion plan for local aquaculture products by conducting activities such as retail booths, tasting sessions and artisanal skills demonstrations.
9. Strengthening support within the fish culture zones	<ul style="list-style-type: none"><li data-bbox="735 1115 1370 1485">• To assist fish farmers in setting up and managing communal rafts or communal facilities in fish culture zones and to enhance basic facilities provided for fish farmers in fish culture zones, such as freshwater supply, feed storage, preliminary diagnosis of fish diseases, underwater surveillance and provision of environmental monitoring equipment; and<li data-bbox="735 1520 1370 1653">• To provide aquaculture management services, such as co-ordinating purchase of fish feed, fish fry and sales of fisheries products.
10. Enhancement of the management and culture environment of fish culture zones	<ul style="list-style-type: none"><li data-bbox="735 1688 1370 1821">• To deploy biofilters in fish culture zones for the stabilisation of water quality and aggregation of fish; and<li data-bbox="735 1856 1370 1982">• To conduct research on or develop other methods or technologies on environmental monitoring and water quality improvement.

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11. Development of and support for recreational fishing	<ul style="list-style-type: none">• To explore the development of sustainable recreational fisheries business models under the existing laws and regulations;• To conduct research on and develop supporting and auxiliary services necessary for the promotion of recreational fishing; and• To implement pilot projects on the business operation of recreational fishing.
12. Conducting research/pilot projects on exploring and developing fisheries or fisheries related industries in South China Sea or any other suitable waters	<ul style="list-style-type: none">• To conduct studies on fisheries resources or operation of fisheries related industries in South China Sea or any other suitable waters;• To study or explore possible options of fishing operation or operation of fisheries related industries by local fishermen in relevant waters, including identification of suitable fishing grounds for development, suitable operation modes and methodology, the relevant laws and regulations, government structure, industrial support, as well as the concrete action plans;• To explore and develop suitable modes of operation for the capture fisheries industry in specific off-shore waters, including examining fishing methods and operations, and the construction materials, design and specifications of fishing vessels; and• To implement pilot projects on the practical business operation of off-shore fisheries activities.

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13. Development and production of fish feed	<ul style="list-style-type: none"><li data-bbox="735 421 1377 689">• To conduct research and produce pellet fish feed of different compositions and sizes, with a view to stabilising local pellet feed supply, improving feed conversion ratio, reducing cost and improving effectiveness of the operation; and<li data-bbox="735 734 1377 857">• To conduct pilot projects on the trial use of pellet feed by fish farmers to promote the use of such feed.
14. Development of feed additives	<ul style="list-style-type: none"><li data-bbox="735 898 1377 1122">• To develop feed additives with a view to adding values to aquaculture products (such as enhanced disease resistance, better taste and texture) so that the use of antibiotics can be reduced or avoided.
15. Development of sustainable fishing practices in Hong Kong waters	<ul style="list-style-type: none"><li data-bbox="735 1162 1377 1386">• To conduct trial runs on the use of newly designed fishing vessels/gears that are more cost effective and in line with the development direction of sustainable fisheries in Hong Kong waters; and<li data-bbox="735 1431 1377 1552">• To implement pilot projects for promoting the use of the aforesaid newly designed fishing vessels/gears in Hong Kong waters.

List of Proposed Innovative Projects with Commercial Elements

Proposed Project	Main Components
1. Large-scale aquaculture platforms with high productivity	<ul style="list-style-type: none">• To set up in Hong Kong or other suitable waters large-scale aquaculture platforms with high productivity, such as steel truss cage farm, for commercial-scale cultivation.
2. Trial run of ultra-low temperature longline fishing on modified local fishing vessels	<ul style="list-style-type: none">• To modify local fishing vessels/install advanced/high-tech equipment, such as ultra-low temperature equipment, on local fishing vessels for trial runs of longline fishing
3. Application of modernised/advanced technology in large-scale aquaculture of hairy crabs or set-up of shellfish/crustacean hatcheries and nurseries in Hong Kong	<ul style="list-style-type: none">• To set up hairy crab farms in Hong Kong and apply modernised/advanced technology for commercial-scale cultivation; or• To set up hatcheries and nurseries for shellfish and crustaceans (such as lobster and pearl oyster) in Hong Kong and carry out commercial-scale fry rearing/hatchery activities in the field with application of modernised/advanced technology methods for supply of fisheries products to the industry.
4. Use of artificial intelligence systems in the aquaculture of fisheries products with high economic values	<ul style="list-style-type: none">• To use advanced/high-tech systems (such as artificial intelligence systems) to culture fisheries products with high economic value, such as giant groupers, lobsters, abalones and hairy crabs.

List of Proposed Application Projects

Proposed Project	Main Components
1. Use of large culture cages/ seawater recirculation systems for aquaculture of fishes with economic values	<ul style="list-style-type: none">• To set up large culture cages/seawater recirculation systems in Hong Kong or other suitable waters for commercial-scale cultivation and sale of fishes with economic value (such as giant groupers and white flower croakers).
2. Modernised aquaculture of shellfishes and crustaceans	<ul style="list-style-type: none">• To establish shellfish and crustacean farms in Hong Kong for the cultivation of lobsters, <i>Pterea martensii</i>, etc., with modernised methods (such as recirculation system/energy-saving and emission-reducing equipment) so as to provide the public with high-quality shellfishes and crustacean fisheries products.
3. Capture fishery operations using vessels with modernised/ advanced equipment in waters with richer fisheries resources	<ul style="list-style-type: none">• To modify local fishing vessels/install advanced/high-tech equipment on local fishing vessels for commercial-scale capture fishery operations in waters with richer fisheries resources and the sale of the fishes captured.
4. Operation of pearl farms for pearl production and eco-tours	<ul style="list-style-type: none">• To set up pearl farms for commercial-scale production and organisation of eco-tours for income earning.