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Nota di contenuto	Fisheries Technologies for Developing Countries -- Copyright -- Preface -- Contents -- Overview -- SMALL-SCALE FISHERMEN -- PROBLEMS OF SMALL-SCALE FISHERMEN -- INNOVATIVE TECHNOLOGIES -- Boats -- Fishing Methods and Gear -- Artificial Reefs -- Coastal Mariculture -- Fish Processing -- LIMITATIONS -- Biological Factors -- Economic Factors -- Social Factors -- SELECTED READINGS -- 1 Boat Design, Construction, and Propulsion -- DESIGN -- CONSTRUCTION -- Wood Construction -- Timber -- Plywood -- Cold-Molding -- Non-Wood Construction -- Ferrocement -- Plastic Tubes -- Fiberglass-Reinforced Plastic -- C-Flex -- Aluminum -- PROPULSION -- Alternative Fuels -- Alternative Engines -- Wind Power -- Human Power -- LIMITATIONS -- RESEARCH NEEDS -- Selected Readings -- RESEARCH CONTACTS -- 2 Fishing Methods and Gear -- PASSIVE GEAR -- Hooks and Lines -- Set lines -- Longlines -- Traps and Pots -- Weirs and Trap Nets -- Entangling Nets -- Gill Nets --

Trammel Nets -- Stationary Liftnets -- ACTIVE GEAR -- Trolling -- Jigging -- Seining -- Beach Seines -- Boat Seines -- Purse Seines and Ring Nets -- Bottom Trawling -- Pair Trawling -- Single Boat Trawling -- Electronic Equipment -- LIMITATIONS -- RESEARCH NEEDS -- Selected Readings -- RESEARCH CONTACTS -- 3 Artificial Reefs and Fish Aggregating Devices -- ARTIFICIAL REEFS -- Bundles of Brush -- Brush Patios -- Lobster Shelters -- Rubble and Rocks -- Tires -- Cement and Concrete Structures -- Fiberglass-Reinforced Plastic -- Drilling Rigs -- FISH AGGREGATING DEVICES -- Traditional FADs -- Modern FADs -- RESEARCH NEEDS -- LIMITATIONS -- Selected Readings Artificial Reefs and FADs -- RESEARCH CONTACTS -- Artificial Reefs and FADs -- 4 Coastal Mariculture -- ALGAE -- Algal Turf Mariculture -- Sea Farming -- FINFISH -- Yellowtail -- Dolphin Fish (Mahi mahi) -- Groupers, Snappers, and Sea Bass. Milkfish (Chanos chanos) -- Mullet -- Tilapia -- Rabbitfish -- Salmon -- CRUSTACEANS AND MOLLUSCS -- Oysters -- Mussels -- Clams -- Giant Clams -- Scallops -- Marine Snails -- Crustaceans -- Mithrax Crabs -- Marine Shrimp -- INTEGRATED SEA FARMING -- POLYCULTURE -- RESEARCH NEEDS -- LIMITATIONS -- Selected Readings -- RESEARCH CONTACTS -- General -- Algal Turf -- Shellfish -- Cage Culture of Marine Fish -- Seaweed -- 5 Fish Processing and Preservation -- PRIMARY PROCESSING-ON-BOARD HANDLING -- SECONDARY PROCESSING -- Salting -- Drying -- Smoking -- Fish Paste Products -- Boiled Fish Products -- Fermented Products -- RESEARCH NEEDS -- Selected Readings -- RESEARCH CONTACTS.

Sommario/riassunto

The future of traditional fisheries will be shaped by the attention given to their special problems and by the recognition of their unique value. Declining stocks of readily accessible fish, competition from industrial fishermen, high operating costs, less than optimal gear and vessels, poor storage and marketing facilities, and little access to credit all tend to limit development for fishermen in the traditional sector. Many developing countries have ignored traditional fishermen and have concentrated their assistance in industrial fisheries. Developing countries could increase their fish harvest and improve the quality of life for their coastal dwellers by providing traditional fishing communities with access to modest technical and financial resources and by assuring protection for their fishing grounds. The evaluation and introduction of some of the technologies described in this report could initiate this process.
