



FAO Vessel Record Management Framework (VRMF)



A versatile set of tools aimed at managing vessel data and associated information retrieved from diverse heterogeneous sources

- **Already populated with over 208 600 records (*including duplicates*) from 13 available public sources**
- **Aimed at supporting open and controlled-access portals to the public, HSVAR Compliance Agreement, RFBs / RFMOs, fishery and port states authorities**





Main features

- **Data storage with well-defined, but flexible and extensible structure (*can easily accommodate new fields*)**
- **Link data of different formats, structures, and codes**
- **Solves codification issues inherent in the process of integrating data coming from different sources**
- **Powerful and flexible searching and matching algorithms**
- **Enriches the information by linking to additional public online resources such as vessel photographs and tracks**
- **One-stop shop of individual vessels records and associated information publicly available**



Types of Contents of Records

- Vessel Name, and previous names
- Present Flag, and previous flags
- Building year, and Shipbuilder's details
- Status (*operative, broken, laid-up, etc.*)
- Vessel type and Gear types (*primary / secondary*)
- External markings
- Radio signals (*IRCS, MMSI*)
- Registrations (*country / port / registration number, and date*)
- Physical dimensions, Tonnage, Engine power (*main and auxiliary*)
- Crew size
- Owners and Operators (*name, address*)
- Fishing authorizations
 - *issuers, authorized areas, authorized species and fishing gears, authorization validity range, termination date and reason*



Targets

- **to establish a centralized archive of global vessel records and associated information from public and authorized sources and become a world forum in storing and exchanging vessel related information in real-time fashion**
- **to provide vessel records management services (at national, regional, and global scales) to fishery and port authorities through secure, restricted-access interfaces**
- **to contribute to information sharing and transparency for traceability of fisheries products marketing and trade**
- **to seek partnerships to further incorporate information from national registries as well as other national or regional organizations**



Potential Uses



Toward the implementation of Port State Measures

Information Tools

Information exchange

- **Public (FAO) <> National authorities**
 - Designated ports
 - National focal points
 - Report of inspection results (*depending on cases*)
- **Port States <> Flag States, relevant RFBs**
 - Evaluation on status of incoming vessels and information provided
 - Report of inspection results
- **Port States <> Vessels**
 - Request of port calls with required information
 - Notice of acceptance, rejection of port calls including notice of inspection when applicable

Information exchange (cont.)

- **Port States**

- Evaluation on the status of incoming vessels and information provided
- Communications with Flag States and relevant RFBs
- Communication between central agencies and ports
- Communication between authorities and field inspectors
- Compilation and management of port calls and inspection data
- Reporting including summary reports, statistics

- **Flag States**

- Management of vessel registries and fishing authorization data
- Collection and compilation of vessel activity data (catch, effort, landings)
- Communication with vessels
- Reporting to relevant RFBs, and to Port States when requested, and issuing certificates

Example.

