

Federal Fisheries Agency



**Centre of Fishery Monitoring and
Communications System**

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Monitoring and Communication

Areas of activities of FSI CFMC

Information support of state monitoring of aquatic biological resources and data support of Rosrybolovstvo.

Exercise of satellite positioning control over vessels' activities

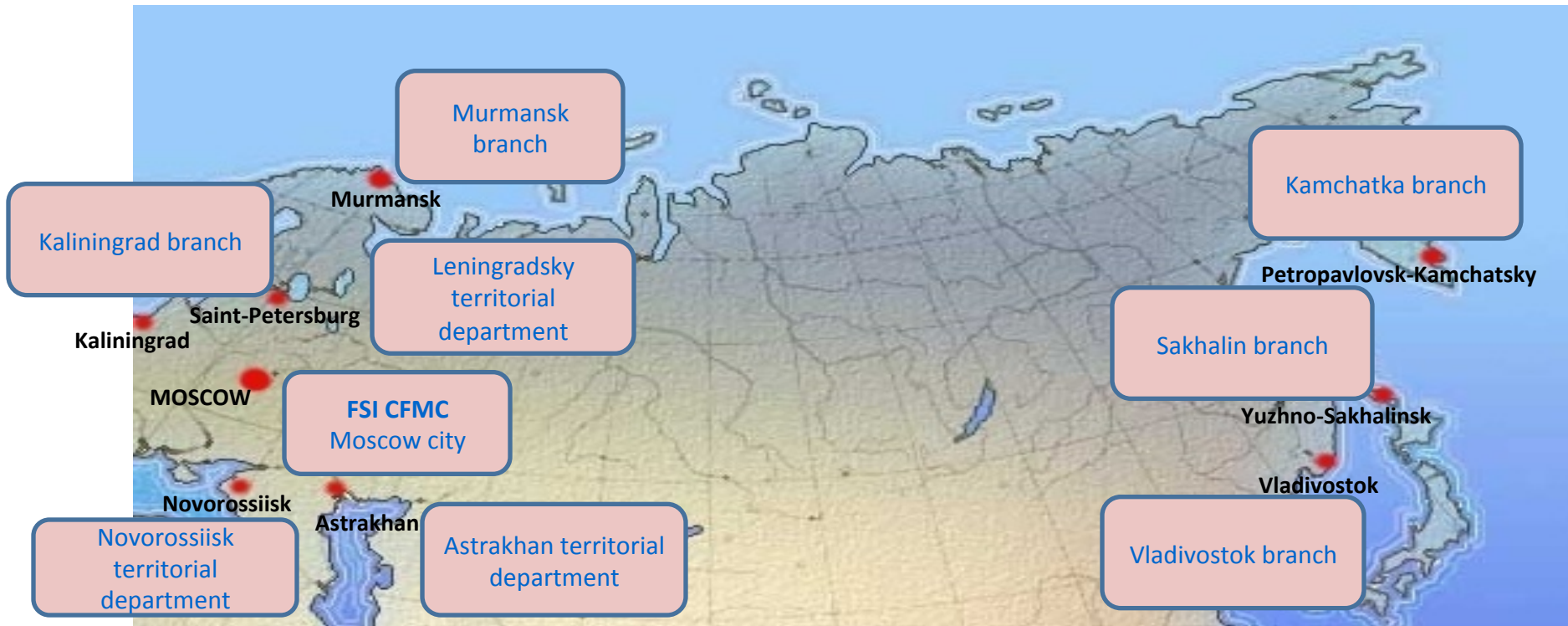
Supplying information to governmental authorities

Support of operations of shore-based GMDSS facilities

Reporting of industry-specific monitoring system (ISMS) data to the Uniform System of the World Ocean Information (ESIMO)

Development and improvement of ISMS

Territorial subdivisions of FSI CFMC

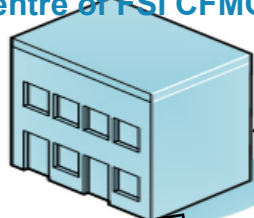




Центр системы
мониторинга рыболовства
и связи

ISMS data flow chart

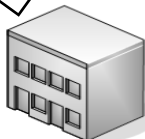
Main Monitoring
Centre of FSI CFMC



Data by areas of
responsibility

Reference data

ISMS data

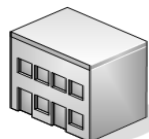


Information users

Data by areas of
responsibility

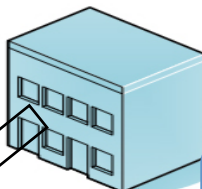
Regional information
centres (Branches
and departments
of FSI CFMC)

Immediate and
statistical reporting



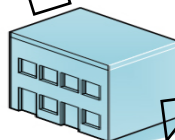
Ship owners

Regional Monitoring
Centres of FSI CFMC
(Branches of FSI CFMC)

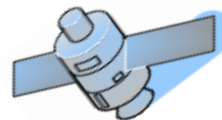


Location of vessels
equipped with technical
control means (TCM)

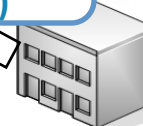
Data on operating
activities



Daily vessel reports
(DVR)



INMARSAT and
ARGOS satellites



Receiving
stations

Satellite positioning





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FSI CFMC conducts satellite positioning of fishing vessels and processing of data on operating activities of aquatic biological resources users

as of May 24, 2011

Number of vessels	4 524
Number of positions received	7 571 469
Number of positions transmitted in accordance with international conventions	368 310
Number of vessel noon reports	170 215
Number of processed immediate and statistical reports submitted by fisheries industry organizations	11 099
Number of reports submitted to NAFO and NEAFC	1 411

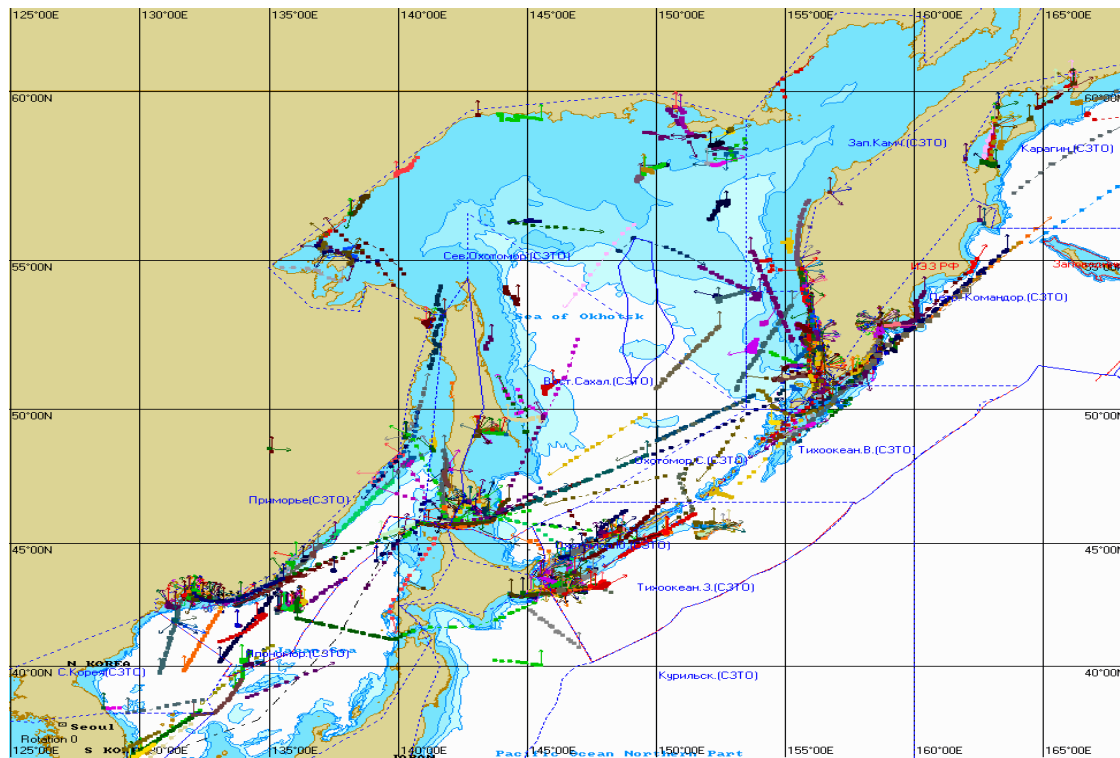


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мониторинга рыболовства
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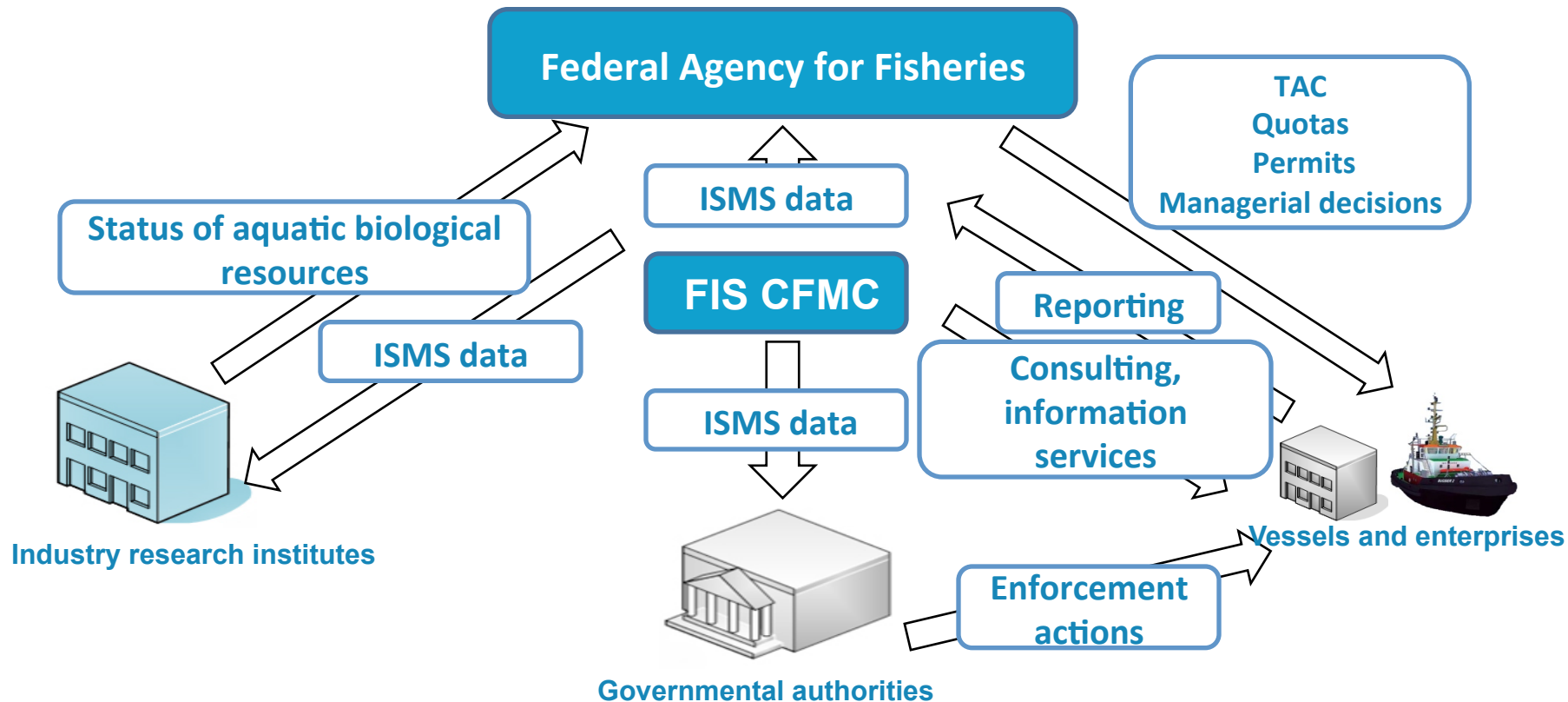


Positioning of vessels

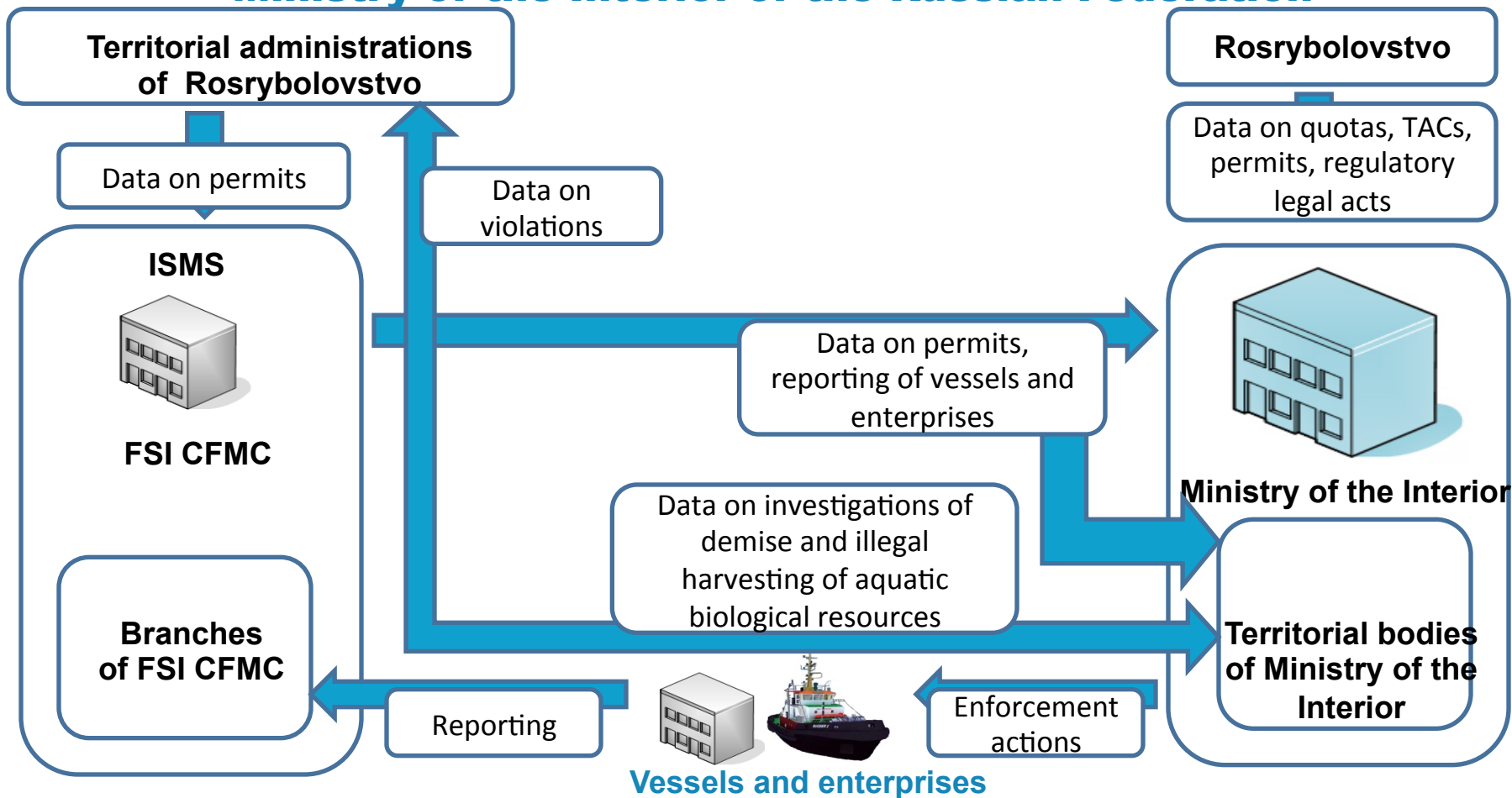
Far Eastern basin



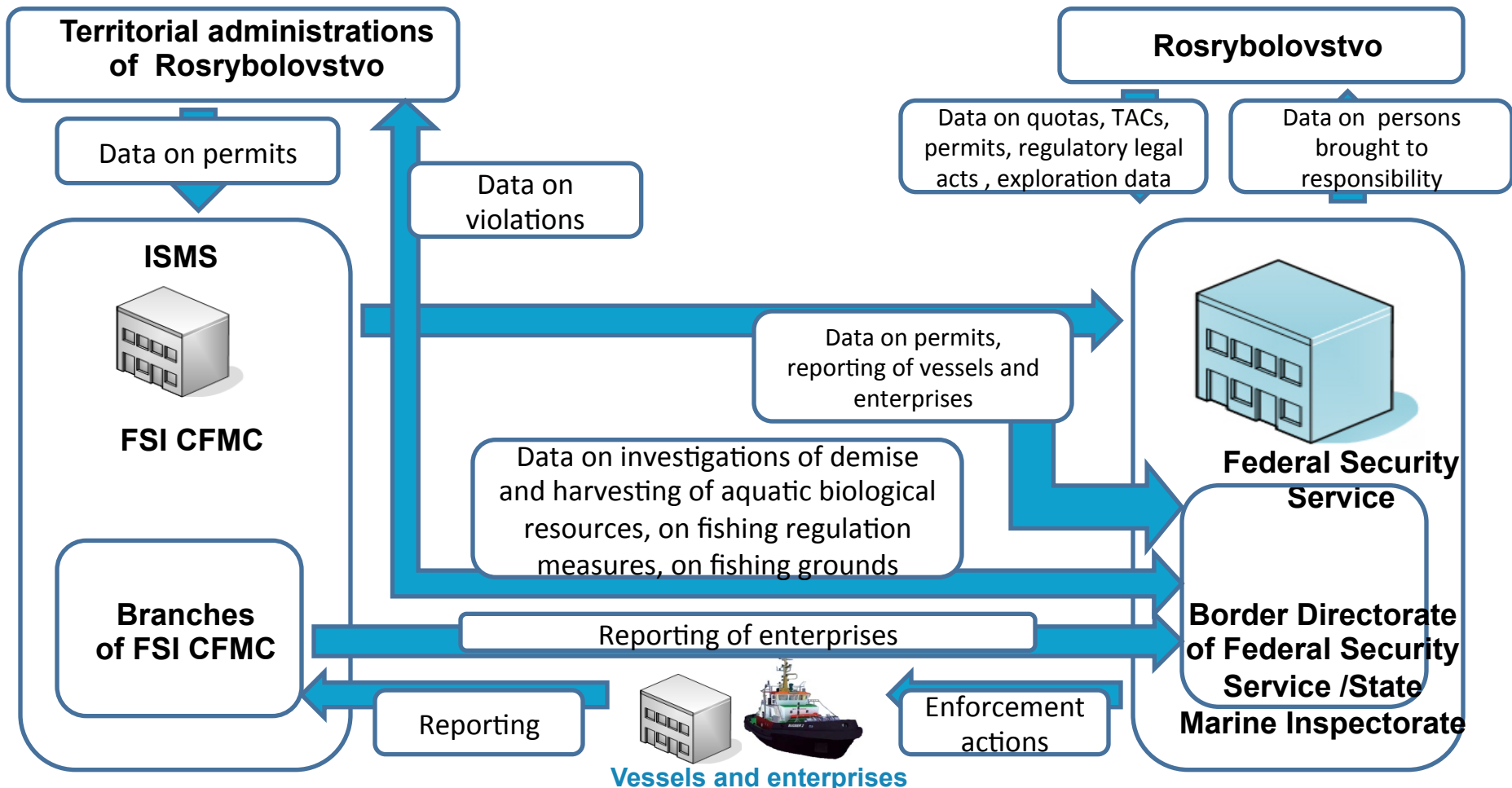
Interaction with organizations and agencies



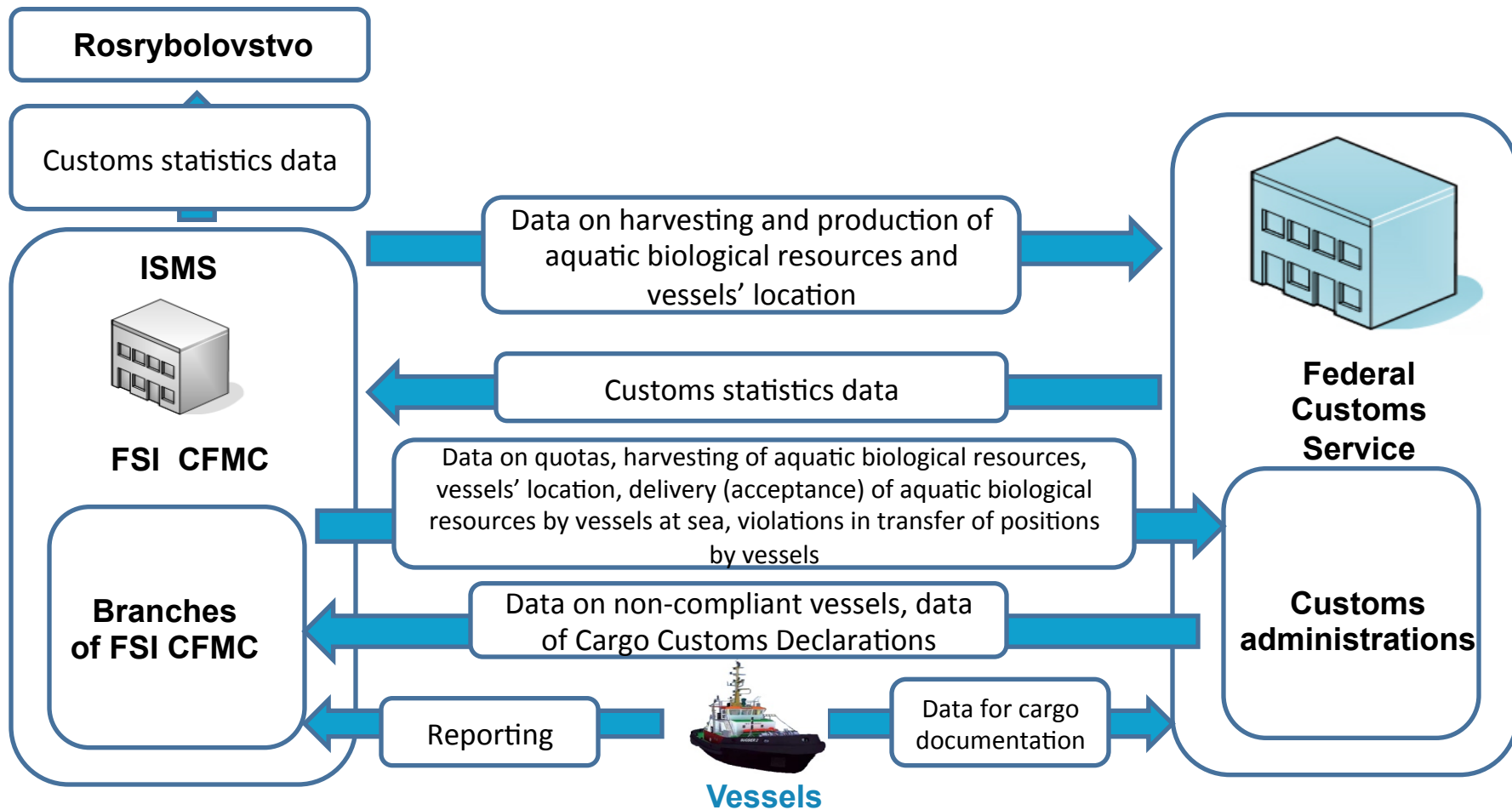
Support of information exchange between Rosrybolovstvo and Ministry of the Interior of the Russian Federation



Support of information exchange between Rosrybolovstvo and Federal Security Service of Russia



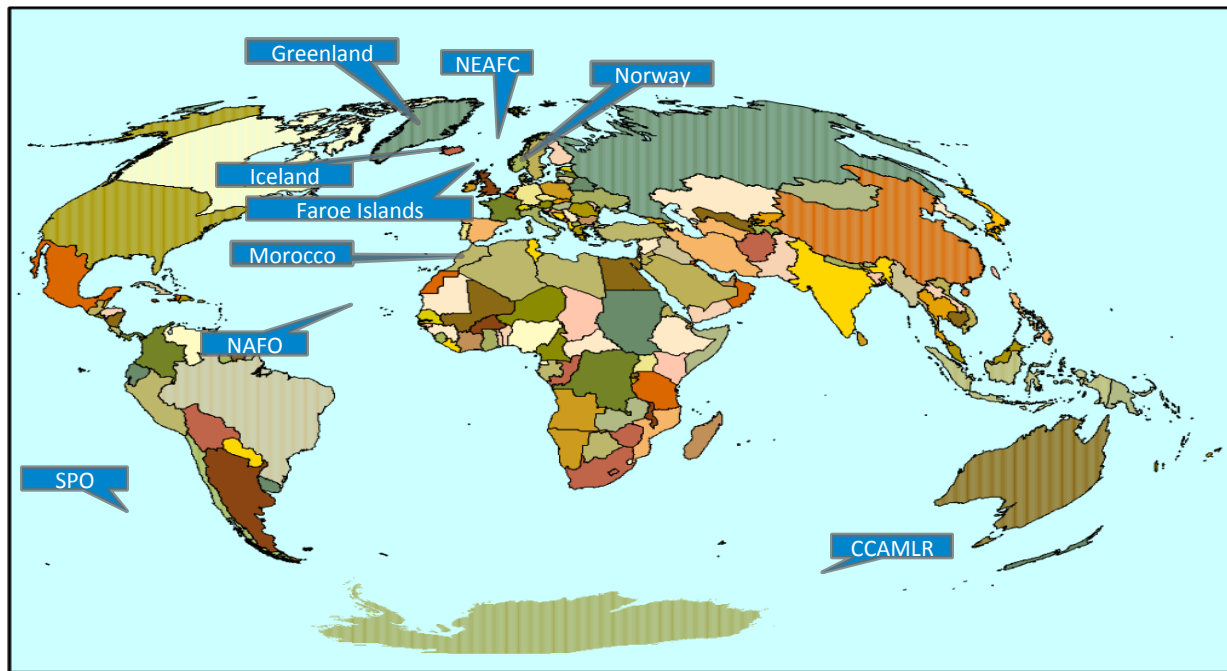
Support of information exchange between Rosrybolovstvo and Federal Customs Service of Russia



International cooperation

FSI CFMC maintains continuous information exchange with national fishing monitoring centres of Norway, Iceland, Greenland, Faroe Islands, Morocco.

FSI CFMC cooperates with Secretariats of international fisheries organizations, such as NAFO, NEAFC, South Pacific Regional Fisheries Management Organization (SPO), Commission for Conservation of Antarctic Marine Living Resources (CCAMLR). Monitoring centre provides for fulfillment of necessary conditions for the work of Russian fishing vessels in economic zones of foreign countries and convention fishing areas.



Development of industry-specific monitoring system of Rosrybolovstvo

Electronic customs declaration,
Electronic harvesting (catch) permits

Electronic commercial fishing reporting
Electronic fishing log

GLONASS
(Global Navigation Satellite System)

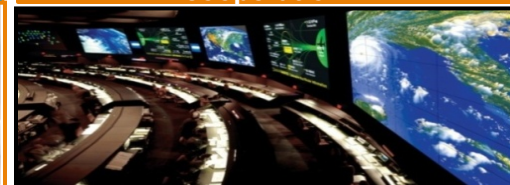
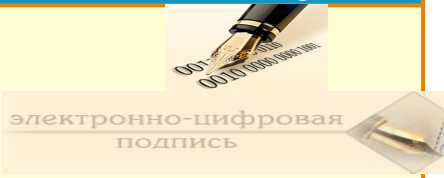


Provision of principally new and formerly unavailable opportunities to form multilateral informational and managerial interrelations on the basis of introduction of present-day information technologies using geographically-distributed database, as well as step-by-step implementation of “electronic” fisheries management and interaction with related industries.

Electronic notarial actions,
electronic voting

Electronic interdepartmental interaction with Federal Security Service,
Federal Customs Service, Ministry of the Interior, Navy etc.

Electronic intergovernmental
cooperation





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In 2010 Electronic fishing log complex was tested aboard several fishing vessels



Functions of Electronic fishing log complex

Recording of fishing and process operations related to harvesting of aquatic biological resources and manufacturing of fish products

Automatic recording of vessel location data



Obtaining of electronic permits from territorial administrations of Rosrybolovstvo.

Formation and transmission of electronic messages, dispatches and reports to monitoring centre

Signing of electronic documents with electronic digital signature of vessel master

“Permits” software

Integration of data flows from territorial administrations of Rosrybolovstvo into common information space

Reduction of time period for obtaining of permits for harvesting (catch) of aquatic biological resources

Automation of issue of permits for harvesting (catch) of aquatic biological resources

Automation of submission of data on issued permits for harvesting (catch) of aquatic biological resources to ISMS

Effectivization of struggle against Illegal, Unregistered and Unregulated fishing