




## Turkish Vessel Monitoring System




Balıkçılık ve Su Ürünleri Genel Müdürlüğü  
İstatistik ve Bilgi Sistemleri Daire Başkanlığı

## Turkish VMS

- An EU institutional coordinated program to support Turkey's legal and institutional alignment to the acquis in terms of fisheries policy was conducted.

Under this project, setting up of VMS was carried out with the support of EU experts hardware equipment and software programs were provided.



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## Turkish VMS

- At present moment There is no direct or indirect reference to VMS in Turkish fisheries legislation.
- A draft law has been prepared in line with EC regulation.
- The draft is still in the parliament.



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## Turkish VMS

- Bluefin tuna fishing in Turkey is subject to special permit. Which require the vessel to keep transponder on board.
- In 2007, 86 hunting vessels were equipped with transponders.
- In 2008 the practice has been extended to carrier vessels and 190 vessels were monitored in VMS.



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## Turkish VMS

The Number of fishing vessel monitored by VMS

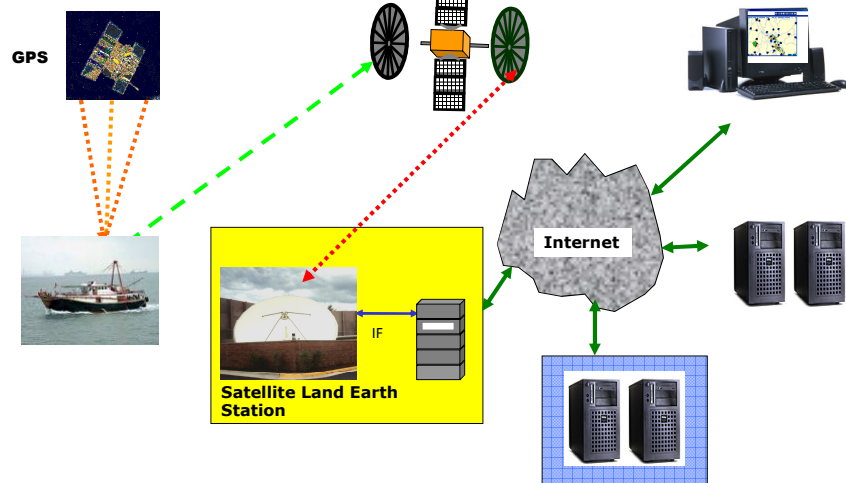
| Year | Number of vessel |
|------|------------------|
| 2007 | 86               |
| 2008 | 190              |
| 2009 | 90               |
| 2010 | 59               |
| 2011 | 52               |

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## VMS Architecture

Geostationary Mobile Satellite



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## Problems Faced

- Software problems.

Since the software program is a package solution, lack of source codes create problems in customization.

- Hardware problems.

The transponder and software were supplying via the same company. The transponder was designed for the software. Since the transponder is very expensive for the fishermen, we had to find inexpensive transponder as alternative. This caused integration problems with the software and new transponder.



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## Problems Faced

- Legislation problem.

Lack of legislation has prevented to expand the project to other fisheries and effective use of VMS.

- End user problem.

Expenses which the fishermen have to pay has made negative impact on the fishermen and created complaints.



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## Legal Bases for the VMS

- The Undersecretaries of Turkish Maritime Affairs has made the use of Automatic Identification System (AIS) compulsory for all marine ships.
- Commission Regulation laying down detailed provisions regarding satellite-based Vessel Monitoring Systems.
- Council Regulation on electronic recording and reporting of fishing activities and on means of remote sensing



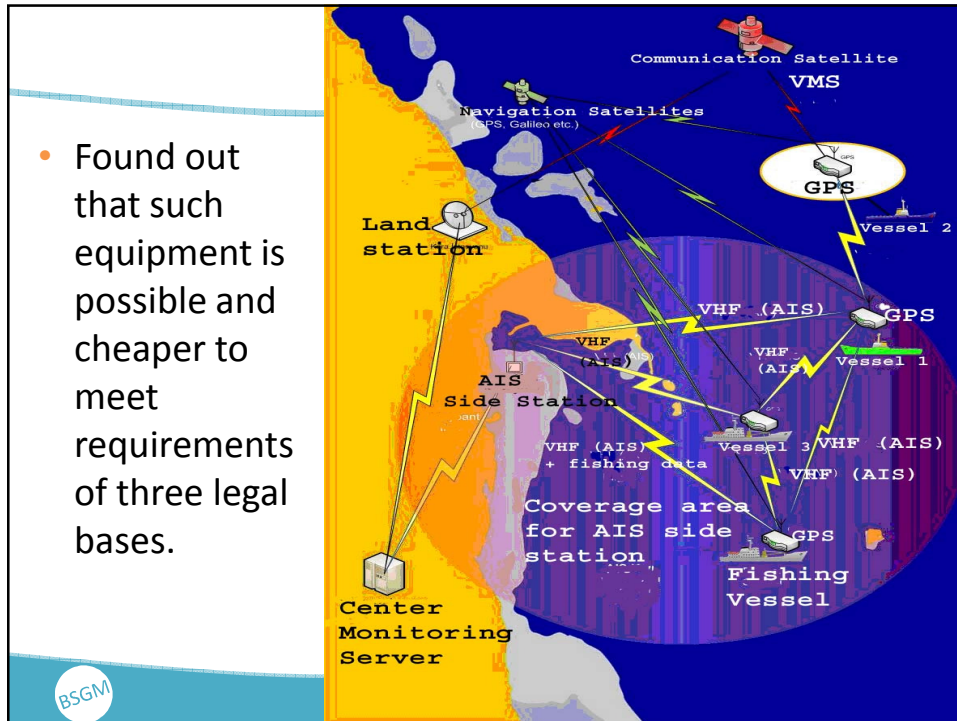
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## Works for the future of the VMS

- AIS, VMS, Electronic Logbook
- Fishermen have to buy AIS equipment, and VMS and electronic logbook equipment
- A single equipment required to comply with three legal requirements above.



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## Works for the future of the VMS

- A protocol has been prepared with a scientific institution to test the equipment.
- A protocol has been prepared with The Undersecretaries of Turkish Maritime Affairs for the data transfer of fishing vessels.
- In 2012 the fishing vessels will install that equipment.

THANK YOU

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