



**MAM**

**Marine Research Group  
TUBITAK Marmara Research Center**

**(Subcontractor: Turkish NODC)**

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New partner introduction  
SeaDataNet II Kick-off Meeting  
Athens, Greece 19-20 October 2011

# Motivation

- TUBITAK and T-NODC are government agencies
- TUBITAK is mainly responsible for national “management, funding and conduct of research”
- “Office of Navigation, Hydrography and Oceanography” (ONHO) hosts the Turkish NODC
- ONHO is responsible for national coordination of marine research
- TUBITAK and T-NODC join SDN2 to establish a comprehensive participation of Turkey in European marine data management activity



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## TÜBİTAK MAM Environment Institute:

- Four research groups:
  - Marine and inland waters
  - Air quality
  - Water and wastewater
  - Solid and hazardous waste
- 58 researchers (36 Ph.D., 15 M.Sc., 7 B.Sc.)
- 21 research technicians, 3 support personnel
- 2010 Budget: €5.3M expenditure - €4.7M revenue  
(88% self-sufficient)



# Marine Research Group

- 20 researchers (13 PhD, 5 MS, 2 BS)
- 4 research technicians
- Ongoing projects:
  - 16 projects (12 national, 4 international)
  - ca. €11M total project budget
- Group profile:
  - Oceanographers (Physical/Chemical/Biological)
  - GIS and IT experts
  - Environmental engineers, biologists, limnologists



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# Marine Data Activity

- Marmara Sea and Izmit Bay
  - Pollution monitoring and plankton dynamics
- Turkish seas
  - Hot spot and sensitive area identification
- Limited regional and point data
  - Invasive species, aquaculture research
- Shoreline physical data
  - Contingency planning



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# Regional and European activities

- Bucharest Convention: Protection of Black Sea Against Pollution and other Black Sea regional programmes
  - FP7-SEAS-ERA NET (Black Sea work package)
- Barcelona Convention: MAP/MEDPOL Programme
- ESF-Marine Board
- European Commission expert groups
- FP6 and FP7 project partnerships (SPICOSA, Micro B3, SeaDataNet2, EuroFleets associate partner)



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# R/V Marmara under construction (to be commissioned by end of 2012)



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 SOYASLAN  
DESIGN  
NAVAL ARCHITECTS & ENGINEERS

# R/V Marmara

- Regional class research vessel
- Length 41.2 m, beam 9.55 m
- Plans under review; construction to begin in October 2011
- To be commissioned by the end of 2012
- 500 gross tonnes
- 14 knots navigation speed
- Scientist berths: 14



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# Turkish NODC

- Extensive marine physical data for the Turkish Seas
- Limited in biogeochemical data
- Regular cruise activity (CTD, ADCP)
- Small staff, custom database
- Participant in MEDAR and IODE
- Overhaul of the database and access to SDN infrastructure are priorities
- Data sharing schemes to be decided



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THANK YOU!

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