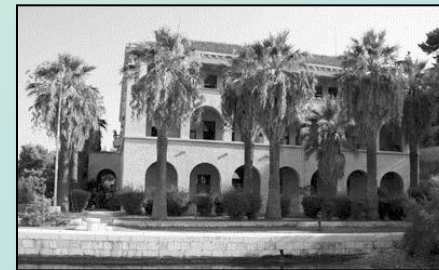


Institute of Oceanography and Fisheries

Split, Croatia, <http://www.izor.hr>



Since 1930

The Mission

IOF Mission is to exist as a **research centre of excellence** in marine sciences and fisheries, following the **international standard** in research activities, and respecting the **strategic interests** of the Republic of Croatia.

The Mission should be fulfilled through realization of:

- **Strategic** national and international **research activities**,
- **Curiosity-driven** and frontier **research**,
- Expertise and professional work, technological development and collaboration with business sector,
- Managing and operating **oceanographic** and **fisheries services**,
- Transfer of **knowledge** and **educational** activities.



The Institute of Oceanography and Fisheries, Split, Croatia, has been founded in 1930, following a strong demand for the research activities in the Adriatic Sea. Through its **80-year functioning** in different regimes but strongly following scientific codes in conducting research activities, the Institute becomes a leading marine institution in Croatia, presently encompassing **all aspects of sea exploration**: physical, chemical, geological and biological parameters, fisheries and aquaculture.

- **Basic research**
- **Applied research**
- **Marine services**
- **Educational activities**
- **International collaboration**
- **Expertise and decisionmaking contributions**
- **Peer-review journal “Acta Adriatica”**
- **More on <http://www.izor.hr>**



About IOF

Organisation:

- 8 laboratories
- Library and publishing
- IT Centre
- General services

Human resources:

- About 105 staff, (60 researchers)

Infrastructure:

- Main and standby buildings
- Research vessels BIOS 2 and Navicula



Major research fields:

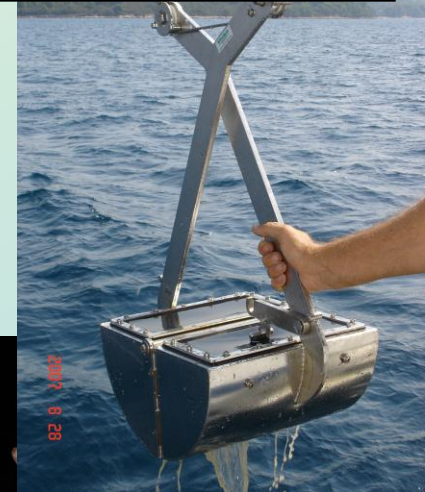
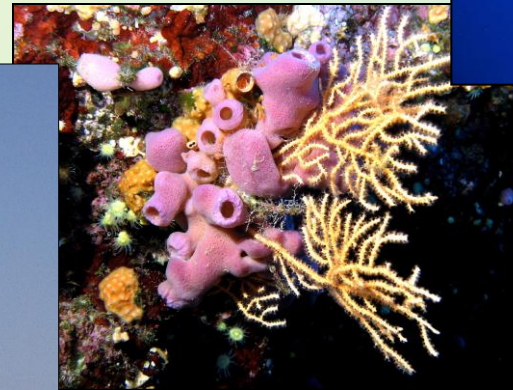
Oceanography (Physical, Chemical, Biological, Sedimentology, Ichthyology)

Fisheries (Coastal, Pelagic, Demersal, Aquaculture, Management)

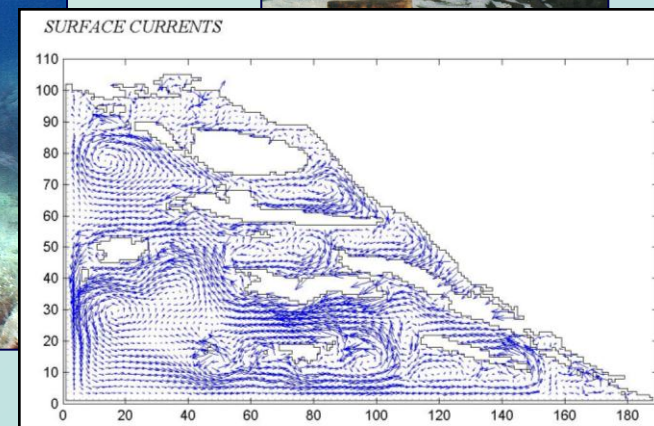
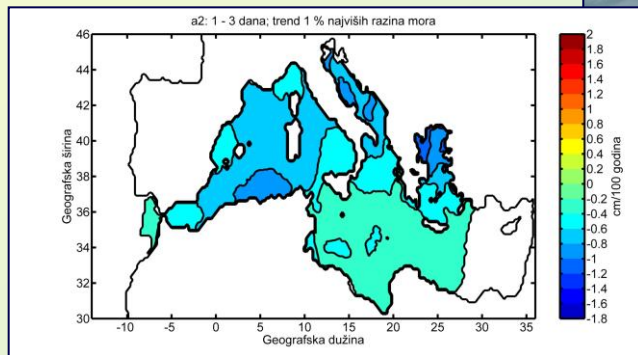
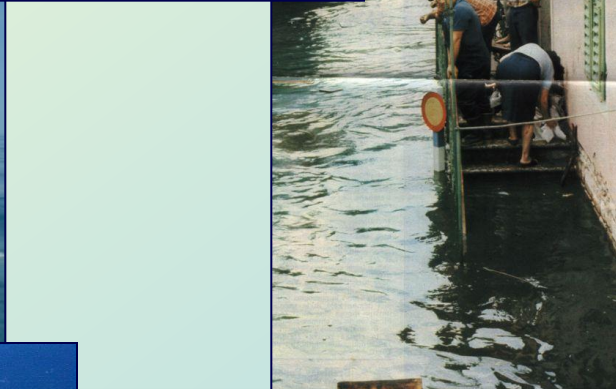
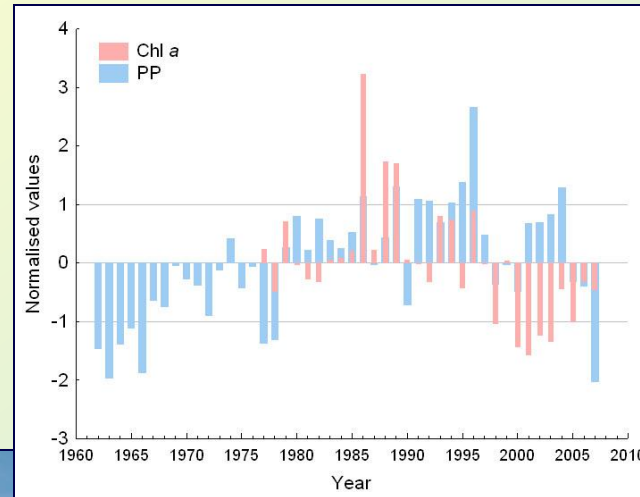
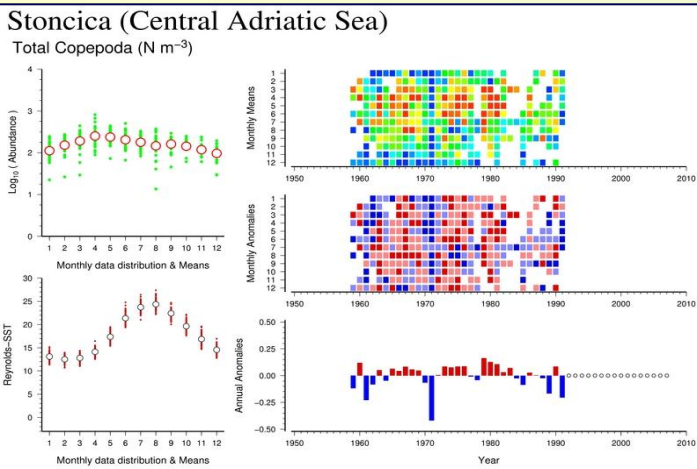
Also present:

Biomedicine Sciences (Veterinary Sciences)

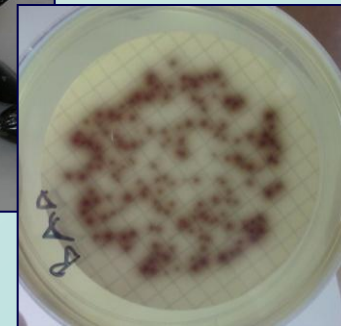
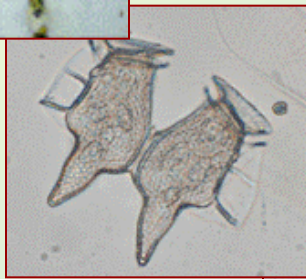
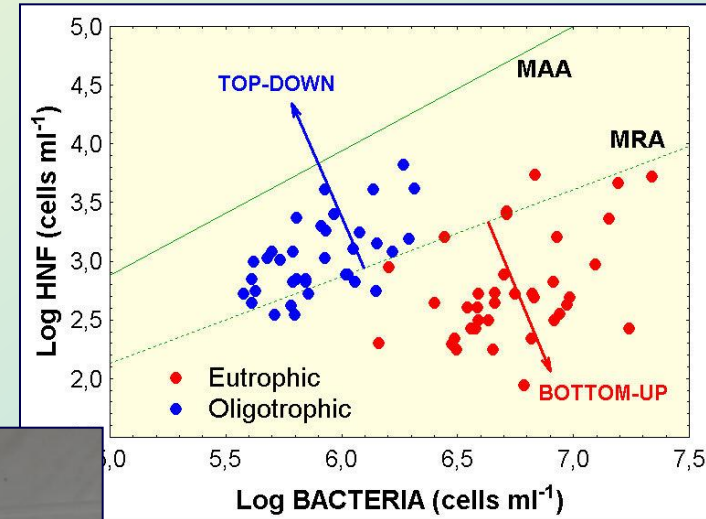
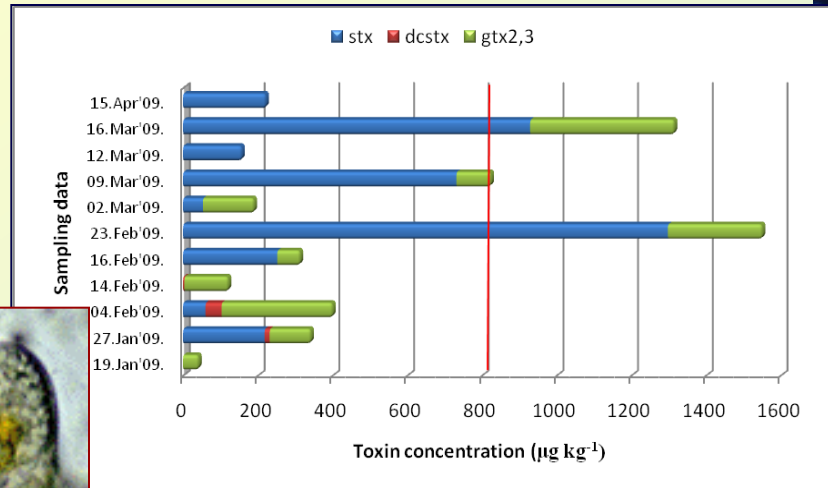
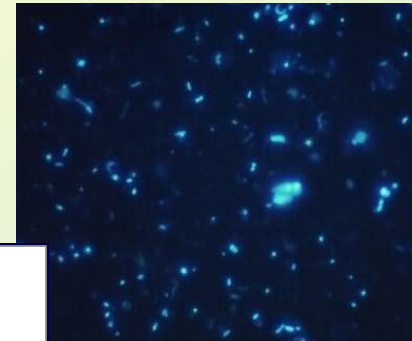
Technical Sciences (Ocean, Environmental Engineering)



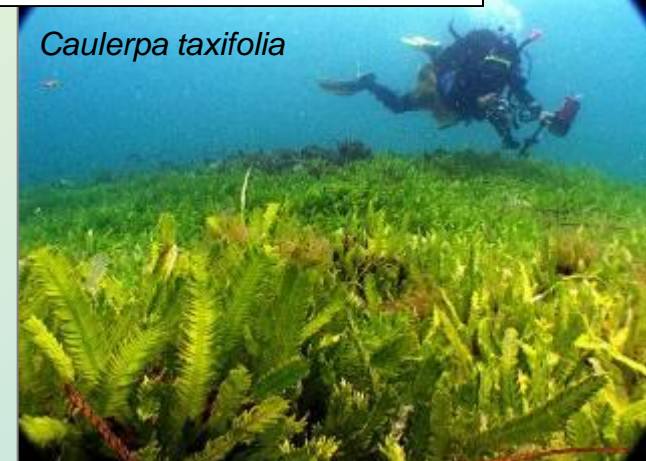
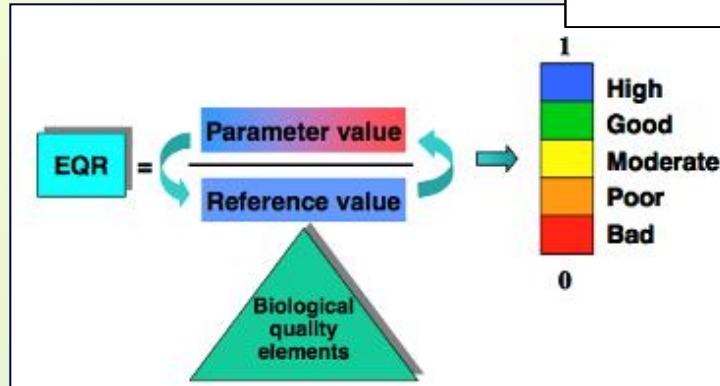
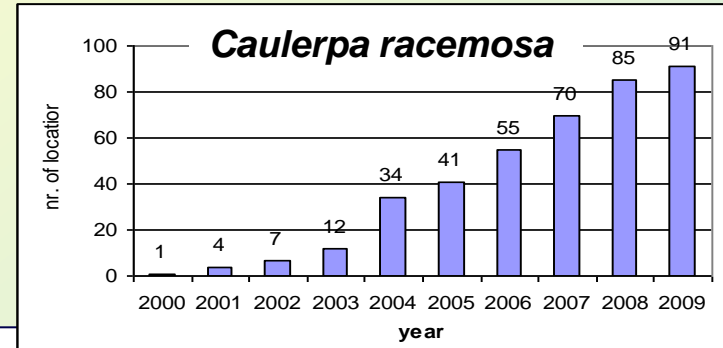
- Climate ecosystem studies
- Natural hazards
- Unusual ecosystem threats



- Microbial food web
- Toxic algae and shellfish toxicity



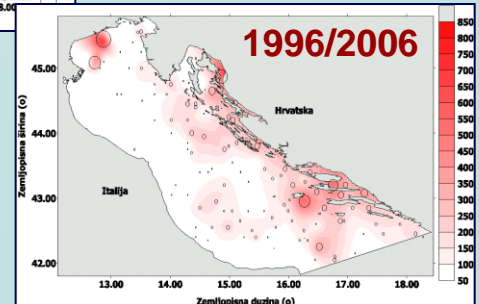
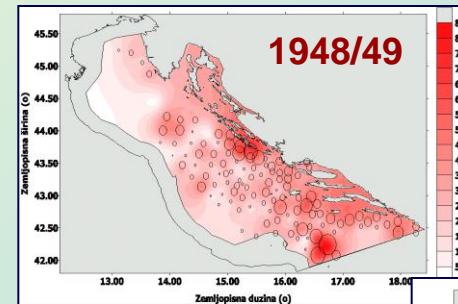
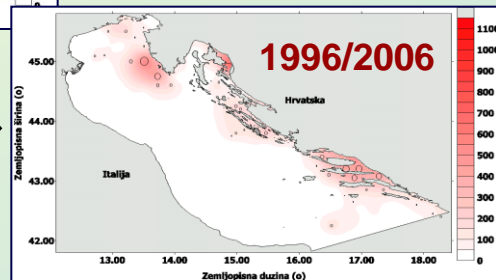
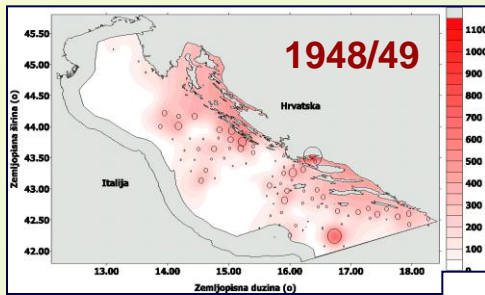
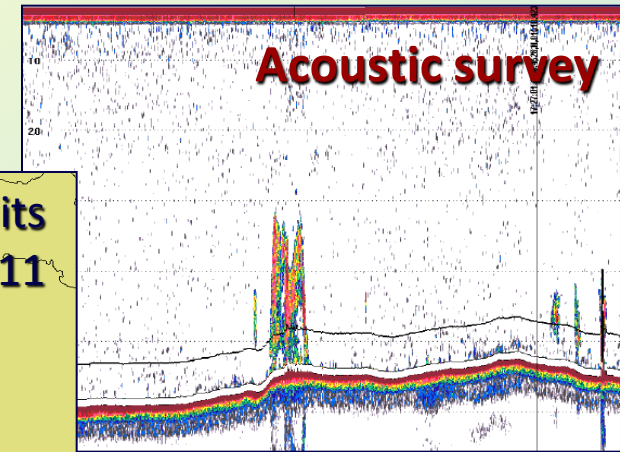
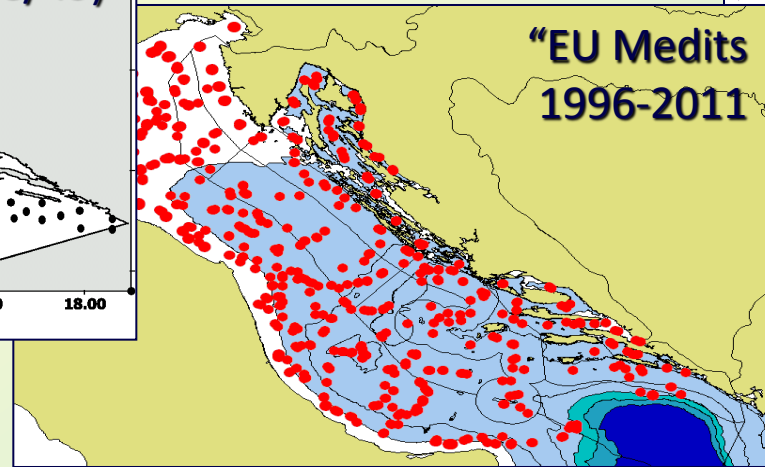
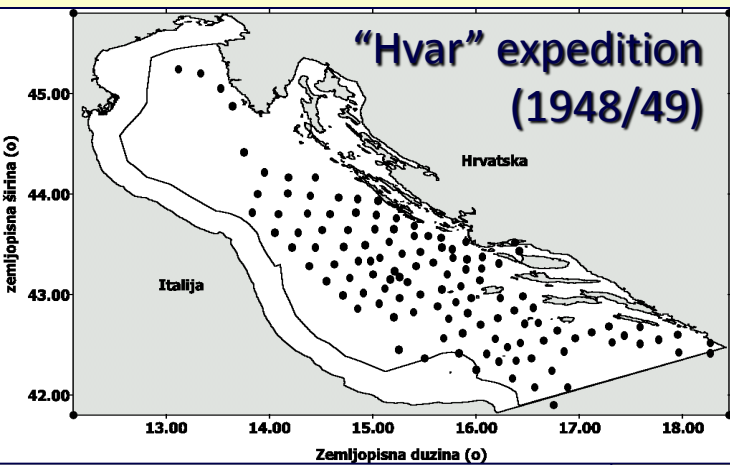
- Invasive and alien species
- Taxonomy, bioindicators
- Changes in ichthyofauna
- Lessepsian migrations



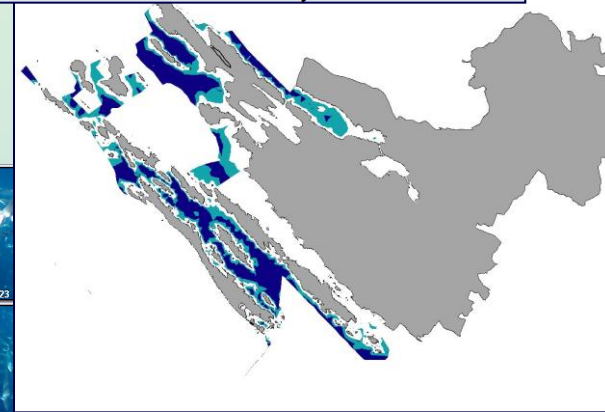
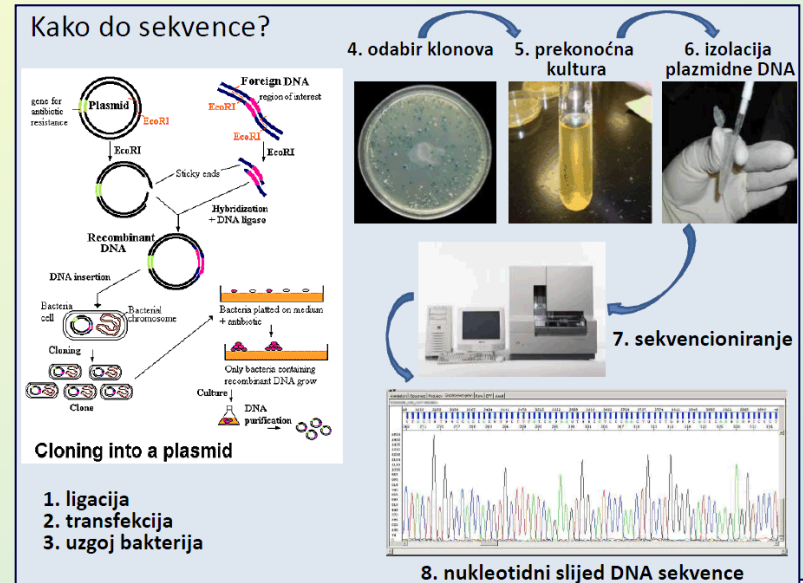
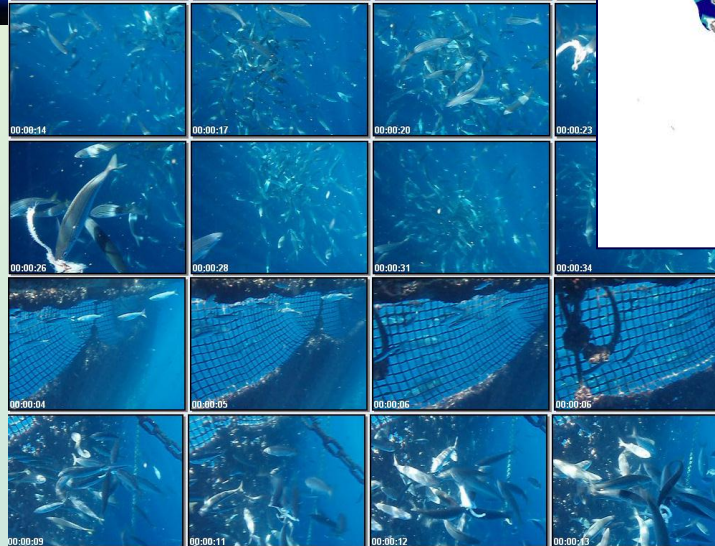
From ballast waters



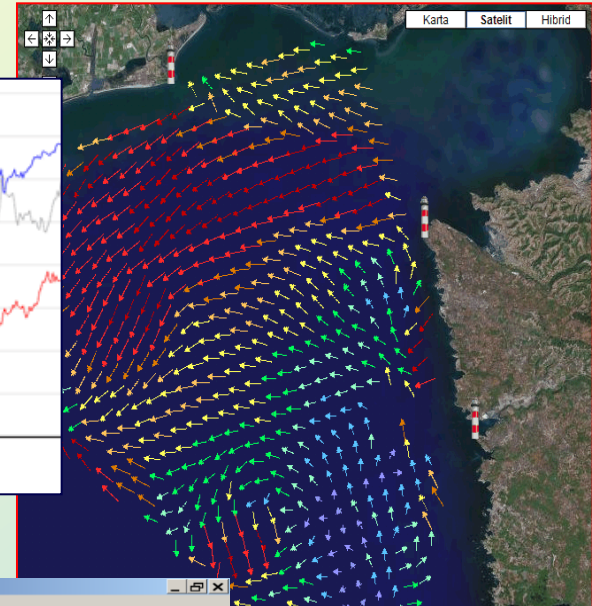
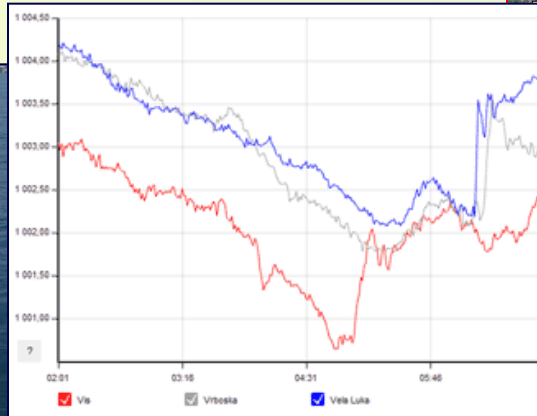
- Coastal, demersal and pelagic fisheries



- Aquaculture sustainability
- Ecological implications
- Biomarkers, pathogens



- Oceanographic instrumentation
- Real-time oceanographic systems
- Database and products



MATLAB 7.6.0 (R2008a)

```
File Edit Debug Parallel Desktop Window Help
Current Directory Workspace
Name Value
ang [0.78, 8.000, 350.40]
ang1 [102.9000, 350.40]
ang2 <1x91 double>
bar1 <3598x2 double>
bar1_red <119x1 double>
bar1_usr <3598x1 double>
bar2 <3598x2 double>
bar2_red <119x1 double>
bar2_usr <3598x1 double>
bar3 <3598x2 double>
bar3_red <119x1 double>
bar3_usr <3598x1 double>
bar_temp <3598x2 double>
c1 <1x12 double>
c2 [30.30, 30.30, 30.30]
d [0.41000, 24500.0]
d_vl_v1 [1.5757e+03, 4.29]
d_vl_v2 [2.8828e+04, 3.19]
d_vl_vr1 [1.7973e+04, 3.68]
d_vl_vr2 [3.7455e+04, 1.66]
dist [43000, 24500]
f <91x22 double>
fakt 15
fir_time 33
g <91x17 double>
gamma1 <1x12 double>
gamma2 [322.323, 235.235]
l 14
```

Command Window

```
>> procedure
VELA LUKA
Disturbance 11 . No meteotsunami danger
Disturbance 12 . No meteotsunami danger
Disturbance 27 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 28 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 29 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 30 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 31 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 32 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 33 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 34 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 35 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 36 . Small probability of a strong meteotsunami or high
probability of a weak meteotsunami
Disturbance 27 . No meteotsunami danger
```

STARU GRAD AND MALI STON
Disturbance 11 . No meteotsunami danger
Disturbance 12 . No meteotsunami danger
Disturbance 27 . No meteotsunami danger

Station **M47** 43° 25' 89"; 16° 15' 09"
Trawling time: 30.07.2006, 13:20
Depth: 64.6 m



IOF International Position

International Research Projects

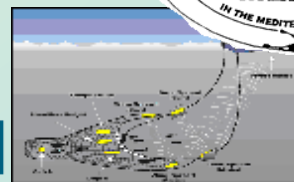
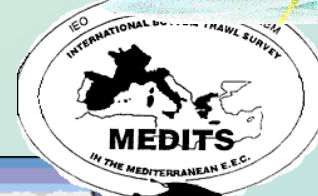
- FP5 to FP7 projects (AQUAMED, SeaDataNet, ECOOP, SESAME, SUSTAINAQ, MAMA, SeaDatNet, SeaDataNet2, PARASITE, CREAM, PERSEUS)
- USA NOAA/NWS project (TMEWS)
- Interreg-PHARE projects (ADRIA-SAFE, AiA, NASCUM, ...)
- IPA CBC projects (HAZADR, BALMAS, DeFishFear)
- Unity Through Knowledge (UKF) projects (for young scientists)
- Multilateral projects (FAO AdriaMed, ADRICOSM, MEDITS, MEDUSA, ...)
- Bilateral projects (HR-USA, HR-IT, HR-France, HR-Slovenia, HR-Austria)
- Other (COST Actions, ...)



• Parasite



North Adriatic Surface Current Mapping Program



International Programmes



IOF is the member and IOF experts are national representatives in:

- European Marine Board
- UNESCO Intergovernmental Oceanographic Commission (IOC)
 - IPHAB (algae blooms), ICG NEAMTWS (tsunamis), IODE (data exchange)
- General Fisheries Commission for the Mediterranean (GFCM)
- International Commission for the Conservation of Atlantic Tunas (ICCAT)
- International Commission for the Scientific Exploration of the Mediterranean Sea (CIESM)
- MONGOOS, FAO ADRIAMED, EU MEDITS, SIPAM, ...

Altogether IOF experts are national representatives in about 20 and members in about 30 international programmes



Educational Activities

- IOF is one of the organising institutions of doctoral studies “Applied Marine Sciences” and “Oceanology”
- IOF Scientists actively participate and coordinate undergraduate and graduate studies held by University of Split (“Ocean Biology and Ecology”, “Sea Fisheries”)
- IOF Scientists are adjunct lecturers in different undergraduate and graduate studies of Croatian Universities



Publication Activities



Institute has been publishing the journal *Acta Adriatica* for the past 82 years (since 1932).

Publishes original scientific contributions on the oceanography and marine fisheries.

- International editorial board
- Indexed in Web of Science





Thank you :)