

National report of Montenegro

Institute of hydrometeorology and seismology of Montenegro

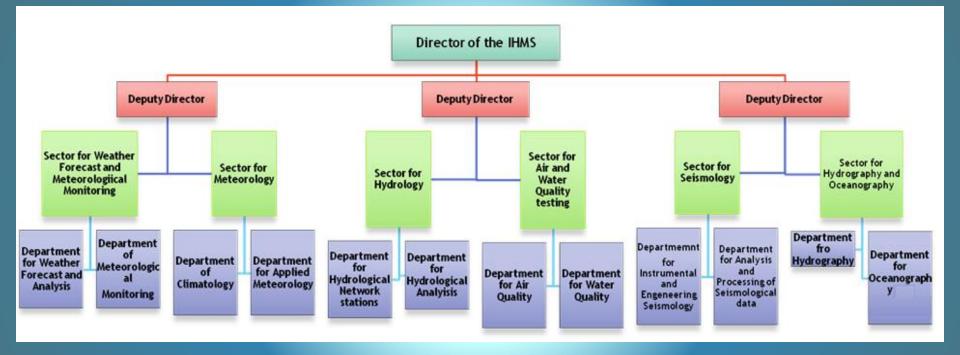
XXI MBSHC, Cadiz, Spain

11 – 13 June 2019.

Content

- Institute of hydrometeorology and seismology organizations units
- Sector of Hydrography and Oceanography
- Nautical publications
- Capacity building program
- Goals and plans

Organization structure of IHMS



Sector of hydrography and oceanography

Department for Hydrography and nautical cartography

- Bathymetry
- Side scan sonar surveys
- Magnetometry
- Geodesy
- ENC chart production
- Paper chart production

Department for oceanography

Physical oceanography

Vessels

Hydrographic vessel GreatWhite Enterprise



- length: 8.2 m
- draft: 0.8 m
- accommodation capacities:
 - 2 crew members
 - 2 members of survey team

Vessels

Hydrographic vessel ČH-1



- displacement: 6 t
- length: 9.5 m
- draft: 0.5 m
- accommodation capacities:
 - 2 crew members
 - 2 members of survey team

Vessels

Hydrographic vessel WingCat



- length: 5.5 m
- draft: 0.6 m
- accommodation capacities:

1 crew members

2 members of survey team

Equipment

- MBES Norbit 200/400kHz,
- SBES Navisound 215,
- CTD Midas SX2 Valeport,
- SSS Edgetech 4125,
- SSS Klein 3900,
- SSS HDS Marine Sonic 900/1800kHz,
- Magnetometer SeaSpy,
- Edgetech USBL portable system,
- GNSS Leica GS018

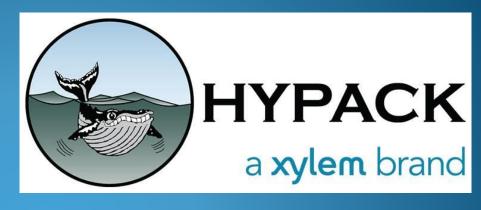














National Oceanography Centre

NATURAL ENVIRONMENT RESEARCH COUNCIL



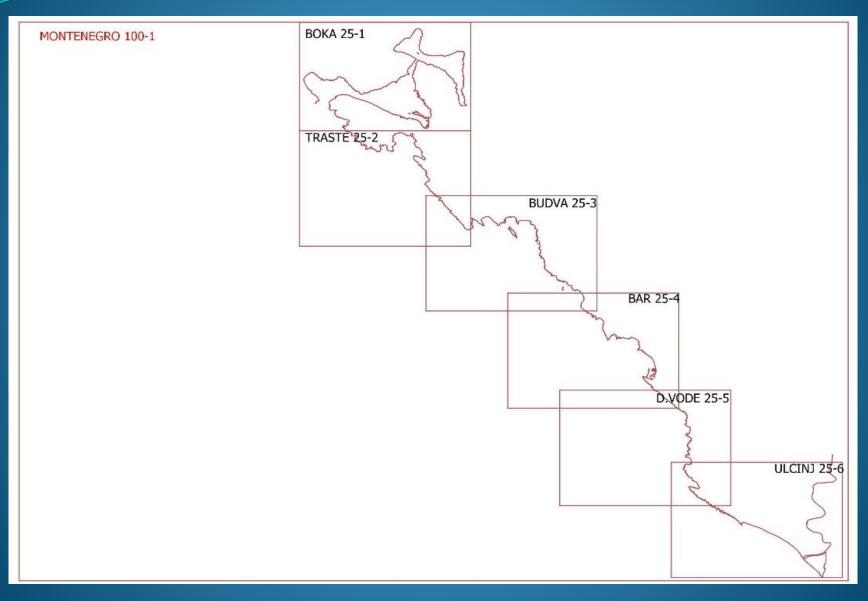
SevenCs

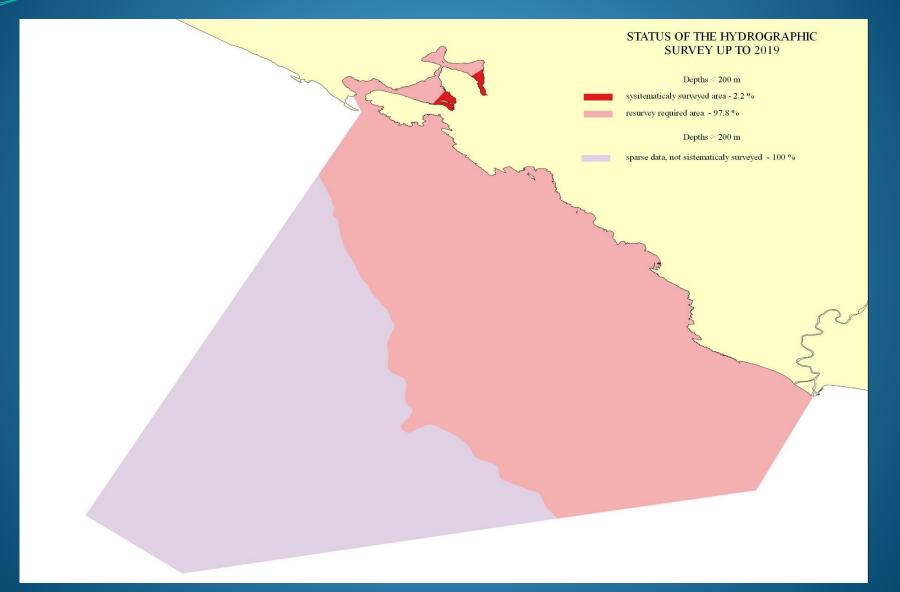
RPS.







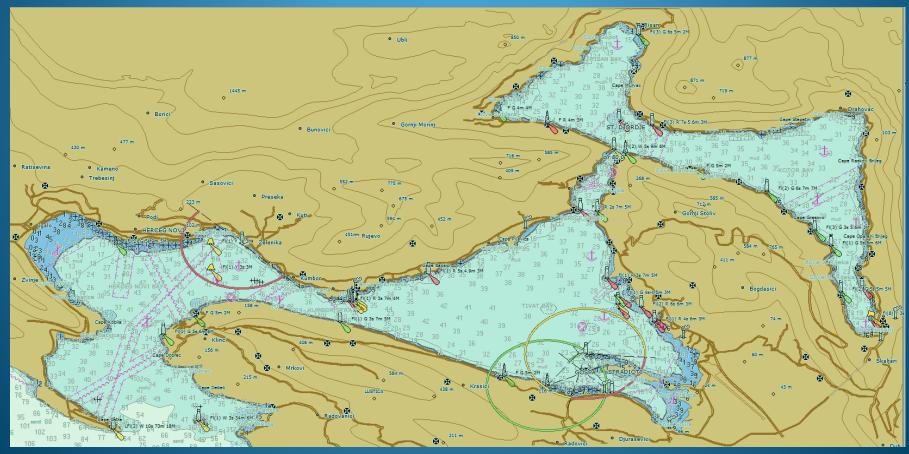




ENC cells

- 1 coastal (ME3MNE01); \checkmark

- 1 approach (ME4BOK01); 4 harbour (ME5KOT01, ME5BAR01, ME5ZEL01, ME5BUD01); 5 berthing (ME6BON01, ME6PON01, ME6MOG01, ME6LUS01, ME6HNV01)



MY PAGE VPN VRC MY REPORTS UPDATE TRACKER

MONT-IHSM1 (Montenegro (HO) Inst Hydrometeorology & Seismology) Sign Out

Undate Tracker

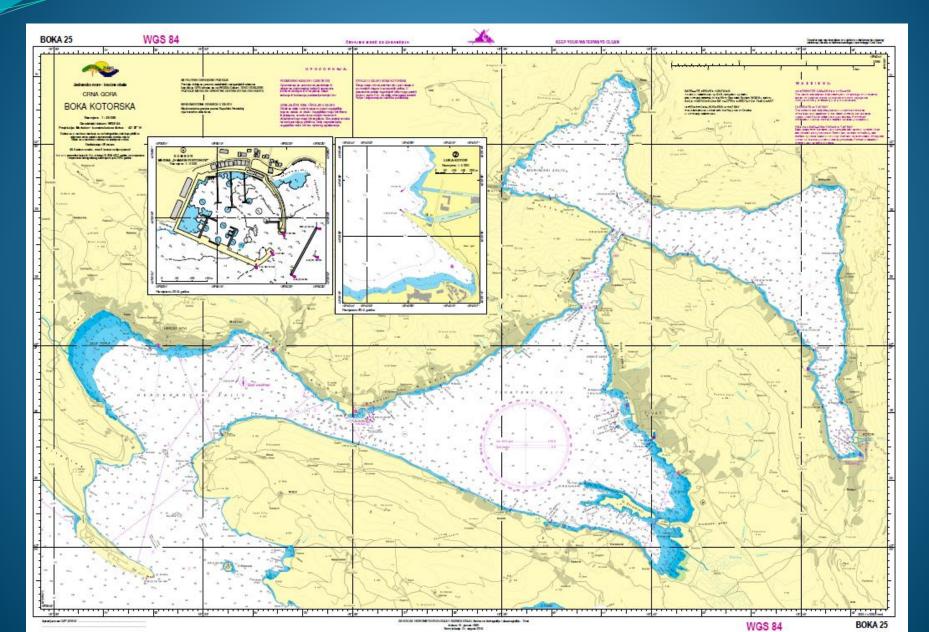
a table included a

| Cells | | | | Show Map |
|----------|----------------|---------------|------------------|----------|
| Cell | Edition Number | Update Number | Title | |
| ME5KOT01 | 2 | 1 | Port of Kotor | |
| ME3MNE01 | 1 | 0 | Montenegro coast | |
| ME5BAR01 | 1 | 0 | Port Bar | |
| ME5ZEL01 | 1 | 1 | Port Zelenika | |
| ME5BUD01 | 1 | 0 | PORT OF BUDVA | |
| ME6BON01 | 2 | 0 | BONICI | |
| ME6PNV01 | 1 | 0 | PORTONOVI MARINA | |
| ME4BOK01 | 2 | 0 | Boka bay | |
| ME6HNV01 | 2 | 0 | Herceg Novi | |
| ME6MOG01 | 1 | 0 | MOGREN COVE | |
| ME6LUS01 | 1 | 0 | LUŠTICA BAY | |
| | | | | |

Administration

attent Mari Anto A

PRIMAR PORTAL MY PAGE VPN VRC MY REPORTS UPDATE TRACKER O Administration Chill (Homenego (HC)) that Hydrometeorology & Belomulogy) Bign Ovt. Coverage + R B Desever . 2 B Gerand ME3MNE01 W. Countral K . Arunnarfe 2 . Hartonal R & Dectory . Historiant 🗄 🔹 Comprised · · · e . Constitut R . Approach f # terbie e s farting UPON RESIGN



Department for oceanography

Equipment

Two permanent tide stations
Port of Kotor
Port of Bar

- One mobile tide station
- RDC 600 currentmeter
- Midas CTD probe

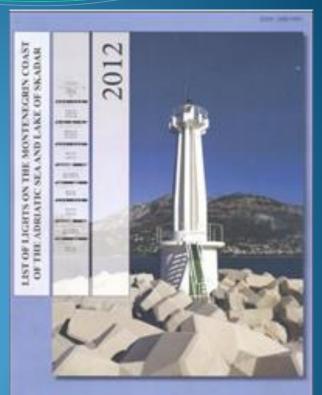
Nautical publications

Nautical publications

- ✤ Notices to Mariners
- ✤ Sailing Directions
- ✤ Pilot: 2013
- ✤ Lists of Lights: 2012

Maritime Safety Information (MSI)

Maritime safety department of Montenegro



POPIS SVJETALA CRNOGORSKE DRALE JADRANSKOG MORA I SKADARSKOG JEZER/

Summittee a version.

Capacity building program

Nautical cartography capacity building program

- ✓ Category B course (IHO/FIG/ICA Standards of Competence for Nautical Cartographers)
- ✓ Training for Ocean Observation and Hydrographic Surveying (ENC Application)

Goals and plans

- Improvement of oceanographic department
- Procurement of the new survey vessel
- Creation of two new approach cells and corresponding paper charts
- Training courses for new professional stuff

THANK YOU For Your Attention