

- Antarctic expeditions** BP.01, BP.03, PG.03, PI.10.
- Bacterioplankton**
- physiological activity and importance in destruction of organic matter BMb.01, BMb.02, BMb.03, BMb.04.
- Bubbles**
- as sound scatterers PA.07, PA.10, PA.12;
 - size distribution PA.10, PA.12.
- Coastal dynamics**
- river outflow region PW.18;
 - shore formation GS.02, PW.08, PW.09, PW.15;
 - the surf zone GS.03, PW.06, PW.16.
- Currents**
- barotropic model PC.05;
 - bottom friction PC.07, PD.06;
 - current measurements PC.03, PG.02;
 - hydrodynamic equations PC.02;
 - in Antarctica PG.07;
 - in Brazil and the Falklands region PG.06, PO.06;
 - in Ezcurra Inlet PC.09;
 - in the Arctic Front PG.14;
 - in the Baltic Sea PC.01, PC.04, PC.06, PC.08, PC.11, PC.14, PC.16, PC.19;
 - in the Norwegian–Barents Confluence Zone PG.16;
 - in the Norwegian Sea PC.17;
 - over the African shelf PC.15;
 - review of methods PC.18, PW.04.

Diffusion

- coefficients PD.04, PD.08, PD.09;
- in a stratified sea BM.01, BM.04, BM.06, PG.09;
- waste discharge PD.01.

Gases in seawater

- oxygen CA.01, CM.02, CM.03, CM.08, PG.05;
- hydrogen sulphide BB.16, BB.20, CM.08.

Ichthiofauna

- behaviour BP.04;
- pollution and bioaccumulation BT.01, GC.04, GC.10.

Light

- absorption in seawater PO.03, PO.43, PO.45;
- absorption by phytoplankton pigments BP.25, PO.18, PO.22, PO.27, PO.30, PO.37, PO.43;
- absorption by yellow substances PO.45;
- attenuation in seawater PO.01, PO.03, PO.05, PO.10, PO.20, PO.26, PO.31, PO.38;
- emission – fluorescence BP.07, BP.22, PG.03, PO.19, PO.23, PO.39;
- energy doses BM.02, BP.20, PO.01, PO.10, PO.25;
- field modelling PO.08, PO.10, PO.33, PO.35, PO.36;
- flashes under a disturbed sea surface PO.04, PO.12, PO.16, PO.17, PO.34;
- fluctuation power spectra PO.04, PO.12;
- fluctuation underwater PO.01, PO.04, PO.12, PO.16, PO.25, PO.34;
- focusing by sea surface waves PO.01, PO.12, PO.16, PO.17, PO.34;
- in aerosol studies PI.16, PI.20, PO.35, PO.36, PO.41, PO.48, PO.49;
- in polar waters PG.03, PO.05, PO.06;
- in pollution studies PD.10, PO.14, PO.39, PO.40, PO.46;
- in remote sensing PO.13, PO.27, PO.36, PO.49;
- in seawater classification PO.26, PO.30, PO.31, PO.42;
- in the Atlantic PO.29;
- in the Baltic BP.20, PG.18, PO.01, PO.03, PO.20, PO.28, PO.31, PO.42, PO.45, PO.47;
- in the Black Sea PO.34, PO.43;

- in the Gulf of Gdańsk PO.01, PO.03;
- measuring methods and instruments PI.16, PO.01, PO.02, PO.07, PO.09, PO.13, PO.15, PO.23, PO.24, PO.39, PO.44, PO.46;
- penetration in various seas BP.20, PG.03, PO.01, PO.29, PO.30, PO.31, PO.32;
- photosynthesis curves BB.09, BP.20, PO.01, PO.30;
- reflectance at the sea surface PO.29, PO.40, PO.47, PO.50;
- scattering in seawater PO.03, PO.11, PO.37;
- transmittance through the atmosphere PO.25, PO.35, PO.36, PO.41, PO.47, PO.48.

Long-term changes

- chlorinity CM.08;
- chlorophyll *a* BP.22;
- oxygen CM.08, CM.09;
- river water, composition of CM.06.

Metals

- analytical methods, a review CA.04
- alkaline CM.07, GC.01;
- heavy, a threat to the marine environment
 - intercalibration CP.05;
 - in aerosols GC.11;
 - in fish PI.07, PI.08, PI.11;
 - in fish BT.01, BT.05;
 - in organisms GC.06;
 - in particulate matter CA.13, GC.05, GC.07, GC.09;
 - in seawater CA.14, CM.04;
 - in seaweeds GC.01, GC.10;
 - in sediments CA.12, GC.05, GC.09;
 - in the air CA.03;
- mercury CA.05, CA.06, CA.07, CA.08, CA.09, CA.10, CM.05, CP.02, PI.07, PI.11.

Nutrients

- as a source of nitrogen for bacteria BM.06;

- concentrations CA.01, CM.02, CM.03, CM.07, CM.09, CM.12, CM.13, CM.15, PI.17;
- discharged into the Baltic by rivers CM.12, CM.15, CP.01, CP.06, CP.07;
- in Ezcurra Inlet CM.03;
- in the Baltic CM.07, CM.09, CM.12, CM.13, CP.07;
- in the Brazil and Falkland currents CM.02;
- in the Gulf of Gdańsk (Baltic) CP.01, CP.06;
- in the Pomeranian Bay (Baltic) CM.15;
- in sediments, migration GS.09.

Organic matter

- ATP, in seawater BE.15;
- crude oil BT.03, BT.06, CA.02, PA.13;
- cytokinins, presence in seawater BE.14;
- dissolved BE.15, CM.10, CM.16, CP.04, PO.19;
- extracellular excreta BE.05;
- fatty acids CA.16;
- humic substances BE.04, CA.15, CM.01, CM.11, CM.14, PO.45;
- pesticides BT.02, CP.03;
- in sediments GS.05.

Phytobenthos

- abundance BB.01, BB.04;
- benthic diatoms BB.17;
- biochemistry and bioenergetics BB.14, BE.22, BT.07, GC.01, GC.02, GC.03, GC.10;
- biomass and production in the Gulf of Gdańsk BB.01, BB.04, BB.05, BB.09;
- morphology and anatomy BB.03, BB.11;
- systematics BB.11, BE.21;
- taxa composition and community structure BB.01, BB.04, BB.08, BB.12.

Phytoplankton

- biochemistry and physiology of algae BE.02, BE.11, BE.13;

- bio-optical classifications of natural waters PO.26;
- chlorophyll concentration and distribution BB.10, BP.20, BP.25, BP.26, BP.33, PG.09;
- influence of abiotic factors on growth and morphology BE.03, BE.07, BE.08, BE.12, BE.18, BP.17;
- influence of organic compounds on growth BE.04, BE.05, BE.06, BE.10, BE.14, BE.23;
- influence of toxic substances on growth and physiological processes BT.02, BT.03, BT.04, BT.06;
- light absorption capacity and fluorescence PO.18, PO.19, PO.22, PO.23, PO.37, PO.43;
- mathematical models of phytoplankton dynamics BM.01, BM.02, BM.03, BM.04, BM.05, BM.06, PO.27, PO.30;
- methods of chlorophyll determination PO.21, PO.23;
- pigment composition BB.17, BE.11, BP.25;
- phytoplankton growth BE.01, BE.02, BE.04, BMb.01, BP.08, BT.03, BT.04;
- primary production BP.06, BP.22, BP.23, BP.28, BP.33, PO.01;
- taxa composition, abundance and biomass BB.10, BP.02, BP.08, BP.16, BP.25, BP.32;
- trace metal bioaccumulation GC.03, GC.06.

Pigments

- carotenoids BE.11;
- chlorophyll *a* BB.17, BM.05, BM.06, BP.22, BP.26, CM.13, PO.19, PO.21, PO.23;
- chlorophyll *c* BB.17;
- photosynthetic BP.25.

Primary production

- delayed fluorescence BP.22;
- experiments with cultures BE.13, BE.18;
- in dynamic modelling of phytoplankton BM.01, BM.04, BM.05, BM.06;
- in Ezcurra Inlet BP.06;
- in the Baltic BM.02, BP.20, BP.22, BP.23, BP.28;

- in the Gulf of Gdańsk BP.02, BP.28, BP.33;
- modelling BM.01, BM.02, BM.03, BM.04, BM.05, BM.06, PO.01, PO.27, PO.33;
- photosynthesis curves BP.20, PO.01, PO.30;
- remote sensing algorithms BP.22, PO.27.

Radionuclides

- ^3H in algae BE.09;
- ^{90}Sr , ^{137}Cs , ^{106}Ru , ^{144}Ce , ^{239}Pu , ^{240}Pu , in seaweeds GC.02;
- ^{226}Ra in water and sediments GC.08;
- thorium, in organisms GC.02, GC.04;
- uranium, in organisms CA.11, GC.03, GC.04.

Salinity, temperature and density distribution

- in polluted water PD.10;
- in the Baltic Sea PG.04, PG.05, PG.09, PG.10, PG.11, PG.13, PG.15, PG.18;
- in the Gulf of Alaska PG.08;
- in the Norwegian Sea PG.12, PG.14, PG.16, PG.17.

Sediments

- geomorphology of Ezcurra Inlet GS.05;
- metals CA.12, GC.05, GC.08, GC.09, GS.10;
- minerals, composition GS.07;
- nutrients, migration GS.09, GS.12;
- organic matter GS.06;
- oxygen, consumption GS.08;
- pore water, major ions GS.11;
- pigments BB.17, GS.13;
- suspended matter in Ezcurra Inlet GS.04;
- varves in a long core GS.01.

Sound

- absorption PA.12;
- as a noise in the sea PA.01, PA.03;
- attenuation PA.12;

- in acoustic tomography PA.08;
- in Atlantic studies PA.04;
- in Baltic studies PA.02, PA.10, PA.14, PA.16, PA.17, PA.18, PA.19, PA.20;
- in gas bubble studies PA.07, PA.10, PA.12;
- in measuring methods PA.02, PA.05, PA.06, PA.07, PA.09, PA.10, PA.17, PA.19;
- in oil pollution studies PA.05, PA.07, PA.09, PA.13, PA.14, PA.15, PA.16;
- in pelagic studies BP.27, PA.19, PA.20;
- in polar seas BP.27, PA.11;
- in sea surface studies PA.05, PA.06, PA.09, PA.14, PA.15, PA.16;
- in sediment studies PA.02, PA.04, PA.17;
- in the Bay of Bengal PA.08;
- propagation in seawaters PA.18;
- reflectance PA.02, PA.04;
- scattering PA.09, PA.10, PA.11, PA.12, PA.13, PA.15, PA.16, PA.17, PA.19, PA.20;
- spectra PA.01;
- velocity PA.08, PA.18.

Surface dynamics

- aerosol formation PI.01, PI.05, PI.09, PI.11, PI.12, PI.13, PI.15, PI.16, PI.18, PI.20, PI.21;
- oil-surface layer PA.06, PA.13, PA.16, PO.39, PO.40;
- small scale air-sea interaction PI.01, PI.02, PI.03, PI.04, PI.06, PI.09, PI.12, PI.14, PI.17, PI.19, PO.16, PO.17, PO.34, PO.50, PW.25, PW.32;
- surface structure CM.13, CM.14, PW.25.

Tides

- astronomic tides PC.10, PW.10;
- oscillation of mean sea level PW.01, PW.04, PW.05, PW.07, PW.29, PW.30, PW.31, PW.34;
- storm surges PC.05, PC.12, PC.13, PW.23, PW.28.

Turbulence

- fine structure BM.01, BM.04, PG.09, PG.11;
- functional formalism PD.05, PD.07;

- turbulence spectrum PD.02, PD.03;
- turbulent exchange PD.04, PD.06, PD.08, PD.09, PD.10.

Waves

- edge waves PW.22;
- long waves PW.11, PW.12, PW.13, PW.14, PW.17, PW.21;
- seiches PW.02, PW.33;
- Stokes waves PW.24, PW.26;
- wind waves PA.05, PA.06, PA.16, PI.02, PI.13, PW.03, PW.06, PW.19, PW.20, PW.25, PW.27.

Zoobenthos

- abundance BB.01, BB.02, BB.16, BB.18, BB.19;
- bioenergetics and biochemical composition BB.06, BB.07, BB.13, BB.15, BE.19;
- biomass BB.01, BB.02, BB.05, BB.10, BB.16, BB.19, BB.20;
- community structure and biodiversity BB.01, BB.02, BB.10, BB.18, BB.20;
- meiofauna BB.19;
- physiological processes BE.16, BE.17, BE.20;
- pollution and effect of toxic substances BB.10, BB.16;
- radionuclides and trace metals bioaccumulation BT.05, GC.04, GC.06;
- taxa composition BB.01, BB.02, BB.05, BB.10, BB.16, BB.18, BB.19, BB.20;
- trophic relations BB.18, BB.05, BB.20.

Zooplankton

- analysis of aggregation tendencies of zooplankton BP.10, BP.12, BP.18;
- biochemistry and biophysics BE.15, BP.07, BP.14, CA.16, GC.06;
- diel and seasonal changes in vertical distribution BP.13, BP.15, BP.24, BP.27, BP.30, BP.31;
- population study and life cycle BP.05, BP.09, BP.30, BP.31;
- taxa composition and abundance BP.07, BP.10, BP.11, BP.12, BP.13, BP.18, BP.19, BP.21, BP.24, BP.29, BP.34.