

Name of measuring program:

Schadstoffe in Biota aus deutschen Küstengewässern und der dt. AWZ - Copy of ID: 80

ID of measuring program:

ANSDE_MP_307

Marine waters (seas):

ANS

indicators (2014):

- 13.1.1 PAK
- 13.1.2 PCB
- 13.1.4 CHC (Chlorkohlenwasserstoffe), DDT, HCH, HCB
- 13.1.8 Flammschutzmittel (PBDE, andere)
- 13.1.10 Metalle

Monitoring programmes (north sea):

- Contaminant levels - in species, including seafood

Monitoring programmes (baltic sea):

Temporal scope start:

1983-01-01

Temporal scope end:

Description monitoring period:

Jährlich außerhalb der Reproduktionszeit der Fische im August/September

Spatial scope:

- EEZ (or similar, e.g. Contiguous Zone, Fishing Zone, Ecological Protection Zone)

Description spatial scope:

Erfassung von Belastungen und Aktivitäten; Untersuchung der Herkunft, Verteilung und des Verbleibs der Schadstoffe. Nationale Zuständigkeit und Verpflichtungen im Rahmen regionaler Konventionen

Purpose:

- Environmental state and impacts
- Pressures in the marine environment

Description of purpose:

Die Untersuchungen für die Schadstoffüberwachung in Fischen und die Untersuchungen zu biologischen Effekten in Fischen (Fischkrankheiten) werden durch eine gemeinsame Probenahme soweit wie möglich kombiniert. (Integriertes Monitoring)

Specifications:

- Pollutants (28)

Responsible institution:

- TI-FI

Involved institution:

Elements monitored:

Parameter-Gruppen: (PAK-Metabolite unter Bioeffekte) PCB CHC (Chlorkohlenwasserstoffe), DDT, HCH, HCB (PFC) Biozide (Herbizide/Pestizide/PSM&Biozide) Flammschutzmittel (PBDE, andere) Metalle Radionuklide Parameter CAS-No. Param.Gruppe alpha-hexachlorocyclohexane 319-84-6 CP beta-hexachlorocyclohexane 319-85-7 CP dichlorodiphenyldichloroethane (o,p) 53-19-0 CP dichlorodiphenyldichloroethane (p,p) 72-54-8 CP dichlorodiphenyldichloroethylene (o,p) 3424-82-6 CP dichlorodiphenyldichloroethylene (p,p) 72-55-9 CP dichlorodiphenyltrichloroethane (o,p) 789-02-6 CP dichlorodiphenyltrichloroethane (p,p) 50-29-3 CP hexachlorobenzene 118-74-1 CP lindane, gamma-hexachlorocyclohexane 58-89-9 CP 1,2,3,4,6,7,8-heptachlorodibenzofuran 67562-39-4 D&F 1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin 35822-46-9 D&F 1,2,3,4,7,8,9-heptachlorodibenzofuran

55673-89-7 D&F 1,2,3,4,7,8-hexachlorodibenzofuran 70648-26-9 D&F 1,2,3,4,7,8-hexachlorodibenzo-p-dioxin 39227-28-6 D&F 1,2,3,6,7,8-hexachlorodibenzofuran 57117-44-9 D&F 1,2,3,6,7,8-hexachlorodibenzo-p-dioxin 57653-85-7 D&F 1,2,3,7,8,9-hexachlorodibenzofuran 72918-21-9 D&F 1,2,3,7,8,9-hexachlorodibenzo-p-dioxin 19408-74-3 D&F 1,2,3,7,8-pentachlorodibenzo-p-dioxin 40321-76-4 D&F arsenic 7440-38-2 Met cadmium 7440-43-9 Met chromium 7440-47-3 Met copper 7440-50-8 Met lead 7439-92-1 Met mercury 7439-97-6 Met nickel 7440-02-0 Met zinc 7440-66-6 Met dibutyltin (DBT) 14488-53-0 OZK monobutyltin (MBT) 78763-54-9 OZK tributyltin (TBT) in organisms 36643-28-4 OZK triphenyltin (TPT) 892-20-6 OZK anthracene 120-12-7 PAH benzo(a)anthracene 56-55-3 PAH benzo(a)pyrene 50-32-8 PAH benzo(b)fluoranthene 205-99-2 PAH benzo(g,h,i)-perylene 191-24-2 PAH benzo(k)fluoranthene 207-08-9 PAH chrysene 218-01-9 PAH fluoranthene 206-44-0 PAH indeno(1,2,3-cd)-pyrene 193-39-5 PAH naphthalene 91-20-3 PAH phenanthrene 85-01-8 PAH pyrene 129-00-0 PAH BDE 100 189084-64-8 PBDE BDE 153 68631-49-2 PBDE BDE 154 207122-15-4 PBDE BDE 28 41318-75-6 PBDE BDE 47 5436-43-1 PBDE BDE 99 60348-60-9 PBDE BDE85 182346-21-0 PBDE BDE 183 207122-16-5 PBDE Pentachlorobiphenyl no. 101 37680-73-2 PCB Pentachlorobiphenyl no. 118 31508-00-6 PCB Pentachlorobiphenyl no. 126 57465-28-8 PCB Hexachlorobiphenyl no. 138 35065-28-2 PCB Hexachlorobiphenyl no. 153 35065-27-1 PCB Hexachlorobiphenyl no. 169 32774-16-6 PCB Heptachlorobiphenyl no. 180 28655-71-2 PCB Trichlorobiphenyl no. 28 7012-37-5 PCB Tetrachlorobiphenyl no. 52 35693-99-3 PCB Tetrachlorobiphenyl no. 77 32598-13-3 PCB perfluorooctanesulfonic acid (PFOS) 1763-23-1 PFC perfluorooctanoic acid (PFOA) 335-67-1 PFC hexabromocyclododecane (HBCD; alpha,beta,gamma) not applicable Cs-137

Link to parameters:

- MP-9b-1-3-1 - Size of individuals (length or weight)
- MP-9b-1-3-2 - Sex
- MP-9b-2-2-2 - Concentration of chemical/nutrient/pollutant in biota

Parameters measured:

Begleitparameter: Temperatur, Bathymetrische Meerestiefe, Salzgehalt

table of method url:

CEMP Monitoring Manual (OSPAR)	http://www.ospar.org/documents?d=32943
Determination of polychlorinated biphenyls (PCBs) in sediment and biota. ICES TIMES No. 53 (2013)	https://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20(TIMES)/TIMES53.pdf
Determination of polybrominated diphenyl ethers	https://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20(TIMES)/TIMES53.pdf

(PBDEs) in sediment and biota. ICES TIMES No. 46 (2009)
Review of analytical methods for determining metabolites of polycyclic aromatic compounds (PACs) in fish bile. ICES TIMES No. 39 (2005)

ts/Techniques%20in%20Marine%20Environmental%20Sciences%20(TIMES)/TIMES46.pdf
[https://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20\(TIMES\)/TIMES39.pdf](https://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20(TIMES)/TIMES39.pdf)

Description sampling method:

COMBINE Manual (HELCOM): <http://helcom.fi/Documents/Action%20areas/Monitoring%20and%20assessment/Manuals%20and%20Guidelines/Manual%20for%20Marine%20Monitoring%20in%20the%20COMBINE%20Programme%20of%20HELCOM.pdf> JAMP Guidelines for Monitoring Contaminants in Biota. OSPAR Commission, Ref.-No. 99-02 (Revision. 2012)
http://www.ospar.org/v_measures/browse.asp?menu=01290301790125_000002_000000 CEMP Monitoring Manual (OSPAR):
http://www.ospar.org/content/content.asp?menu=00040400000000_000000_000000 TIMES (ICES):
Determination of polychlorinated biphenyls (PCBs) in sediment and biota. ICES TIMES No. 53 (2013) <http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times53/PCBs%20TIMES%2053%20for%20print.pdf> Determination of polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans, and dioxin-like polychlorinated biphenyls in biota and sediment. ICES TIMES No. 50 (2012) <http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times50/TIMES%2050-final.pdf> Monitoring organotins in marine biota. ICES TIMES No. 47 (2010) <http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times47/100322-TIMES%2047%20Organotin-Final2.pdf> Determination of polybrominated diphenyl ethers (PBDEs) in sediment and biota. ICES TIMES No. 46 (2009) <http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times46/091216-TIMES%2046%20PBDE-FINAL2.pdf> Determination of parent and alkylated polycyclic aromatic hydrocarbons (PAHs) in biota and sediment. ICES TIMES No. 45 (2009) <http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times45/091214-TIMES%2045%20PAHs-FINAL2.pdf> Determination of Hexabromocyclododecane (HBCD) in sediment and biota. ICES TIMES No. 44 (2009) <http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times44/091207-TIMES%2044%20FINAL3.pdf>

Quality Assurance:

- Biological Effects Quality Assurance in Monitoring Programmes
- ICES Data Centre Data Type Guides
- National standard (specify)
- Quality Assurance of Information for Marine Environmental Monitoring in Europe

description quality assurance:

Qualitätsmanagementsysteme nach DIN EN ISO/IEC 17025

Quality Control:

Other type of QC (specify)

description quality control:

DIN EN ISO/IEC 17025

Spatial resolution (density) of sampling:

100

Description Spatial resolution (density) of sampling:

number of samples per year:

0

addendum number of samples per year:

> 100

frequency:

bestimmte Anzahl pro Jahr

Description frequency or rather cycle or count per year:

UPB (UBA) TI LUNG NLWKN LLUR Metalle Blasentang und Miesmuscheln: Nordsee: 6x/Jahr (Monate 02/04/06/08/10/12) Ostsee: 2x/Jahr (Monate 06 und 12) Aalmutter 1x/Jahr(Mai-Juni)

Silbermöwe: 1x/Jahr (Mai) Fische: 1x/Jahr (Aug-Sep) Miesmuscheln: alle 2-3 Jahre 1x/Jahr (Juli-Sep) 2x/Jahr (März/Oct) Organische Schadstoffe Blasentang und Miesmuscheln: Nordsee: 6x/Jahr (Monate 02/04/06/08/10/12) Ostsee: 2x/Jahr (Monate 06 und 12) Aalmutter 1x/Jahr(Mai-Juni) Silbermöwe: 1x/Jahr (Mai) Fische: 1x/Jahr (Aug-Sep) Miesmuscheln: alle 2-3 Jahre 1x/Jahr (Juli-Sep) 2x/Jahr (März/Oct)

periodicity of sampling:

Yearly

Description monitoring programm details:

Erfassung von Belastungen und Aktivitäten; Untersuchung der Herkunft, Verteilung und des Verbleibs der Schadstoffe

data aggregation scale:

- Region
- Subregion

description data aggregation scale:

Access to data - Data type:

- Data products

Access to data - mechanism:

Provide location of data in international data centre (e.g. RSC, ICES, EEA, EMODnet)

Access to data - Rights:

Open access

Access to data - INSPIRE standard:

- Environmental monitoring facilities

Access to data - Date of reporting:

1970-01-01

Access to data - Data updated frequency:

Yearly

Description data frequency:

Link to parameters:

[ICES-Datenbank DOME \(Marine Environment\)](#)

Access to data - Description:

<http://dome.ices.dk/browse/index.aspx> ICES-Datenbank DOME (Marine Environment):
<http://www.ices.dk/marine-data/data-portals/Pages/DOME.aspx>

change:

