

Name of measuring program:

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

ID of measuring program:

ANSDE\_MP\_329

Marine waters (seas):

ANS

indicators (2014):

- 13.1.1 PAK
- 13.1.2 PCB
- 13.1.4 CHC (Chlorkohlenwasserstoffe), DDT, HCH, HCB
- 13.1.5 PFC
- 13.1.6 OTC (OrganoZinnVerbindungen)
- 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:

Spatial scope:

- Coastal waters (WFD)

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:

Specifications:

- Pollutants (28)

Responsible institution:

- LLUR
- NLWKN
- UPB

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)	<a href="http://www.ospar.org/content/content.asp?menu=00040400000000_000000_000000">http://www.ospar.org/content/content.asp?menu=00040400000000_000000_000000</a>
Determination of polychlorinated biphenyls (PCBs) in sediment and biota. ICES TIMES No. 53 (2013)	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times53/PCBs%20TIMES%2053%20for%20print.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times53/PCBs%20TIMES%2053%20for%20print.pdf</a>
Determination of polychlorinated dibenzo-p-dioxins, polychlorinated dibenzofurans, and dioxin-like polychlorinated biphenyls in biota and sediment. ICES TIMES No. 50 (2012)	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times50/TIMES%2050-final.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times50/TIMES%2050-final.pdf</a>
Monitoring organotins in marine biota. ICES TIMES	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times50/TIMES%2050-final.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times50/TIMES%2050-final.pdf</a>

No. 47 (2010)	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times47/100322-TIMES%2047%20Organotin-Final2.pdf">s/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times47/100322-TIMES%2047%20Organotin-Final2.pdf</a>
Determination of polybrominated diphenyl ethers (PBDEs) in sediment and biota. ICES TIMES No. 46 (2009)	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times46/091216-TIMES%2046%20PBDE-FINAL2.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times46/091216-TIMES%2046%20PBDE-FINAL2.pdf</a>
Determination of parent and alkylated polycyclic aromatic hydrocarbons (PAHs) in biota and sediment. ICES TIMES No. 45 (2009)	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times45/091214-TIMES%2045%20PAHs-FINAL2.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times45/091214-TIMES%2045%20PAHs-FINAL2.pdf</a>
Determination of Hexabromocyclododecane (HBCD) in sediment and biota. ICES TIMES No. 44 (2009)	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times44/091207-TIMES%2044%20FINAL3.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20%28TIMES%29/times44/091207-TIMES%2044%20FINAL3.pdf</a>

#### 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](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](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:

- ICES Data Centre Data Type Guides
- National standard (specify)

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: