

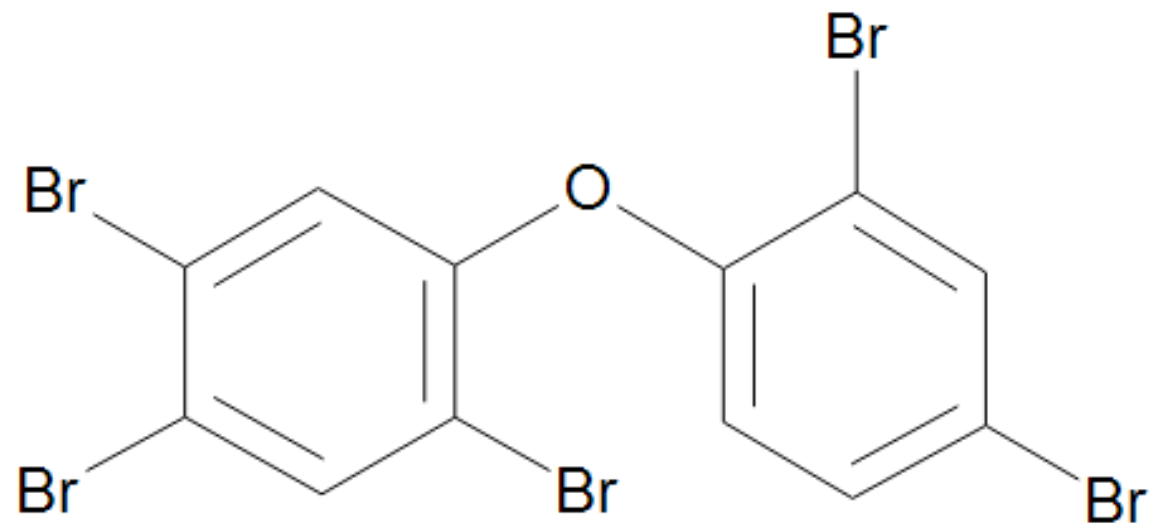


Photo: Asgeir Helgestad
Asgeir Helgestad/Arctic light



Uncovering the National Treasures of the Norwegian Environmental Specimen Bank

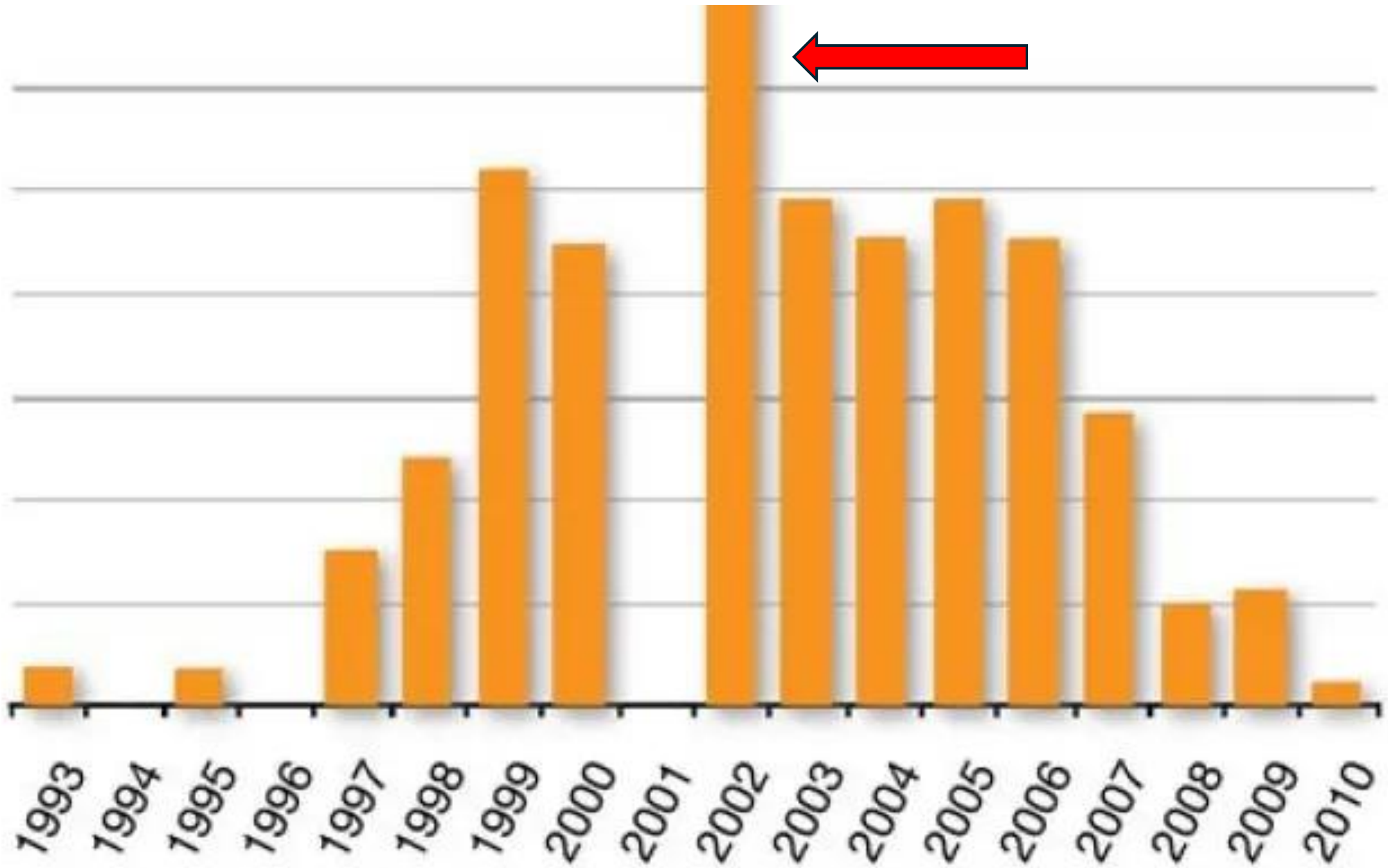
Morten Jartun - NIVA



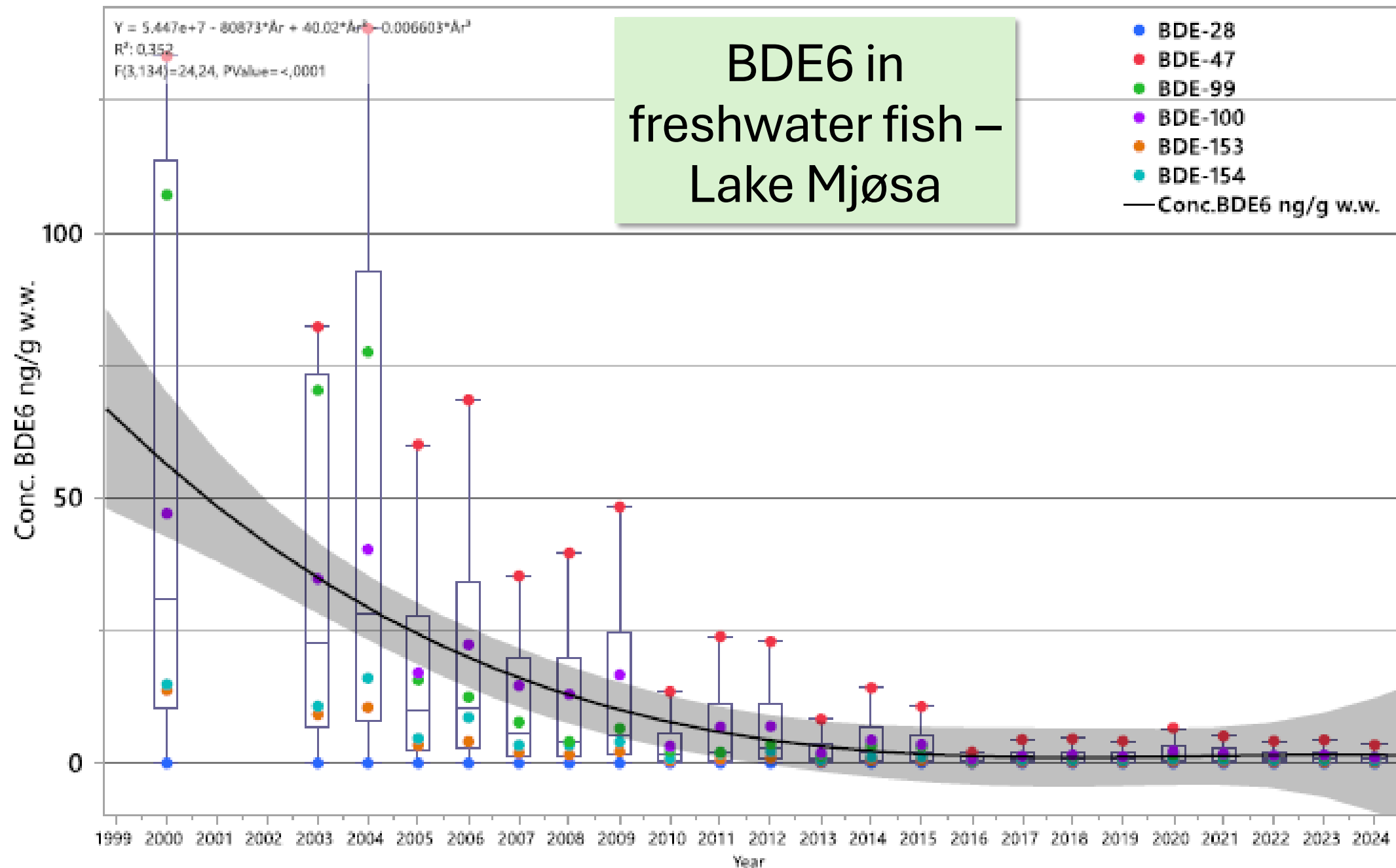
2002

PBDE, ng/g våtvekt

60
30
0



BDE6 in freshwater fish – Lake Mjøsa





Norwegian Environmental Specimen Bank



Established 2012



Funded by Ministry of
Climate and
Environment



Archive for future
environmental studies



Environmental time
capsule



Low cost, long-term



Daily operation
delegated to the
CIENS-consortium

Program design

Annual sampling

Representative
matrices from
Norwegian nature

Geographical
distribution incl.
Arctic

Healthy
populations

Ongoing
monitoring
programs

Lab control
Air quality

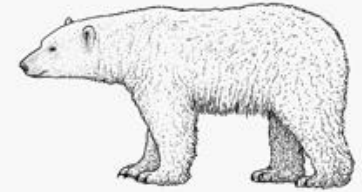
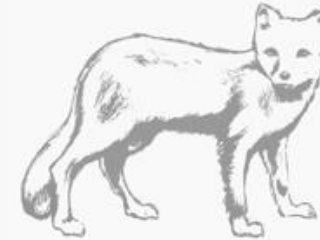
Sample types



MILJØPRØVEBANKEN



Marine



Mammals



Freshwater












Moss

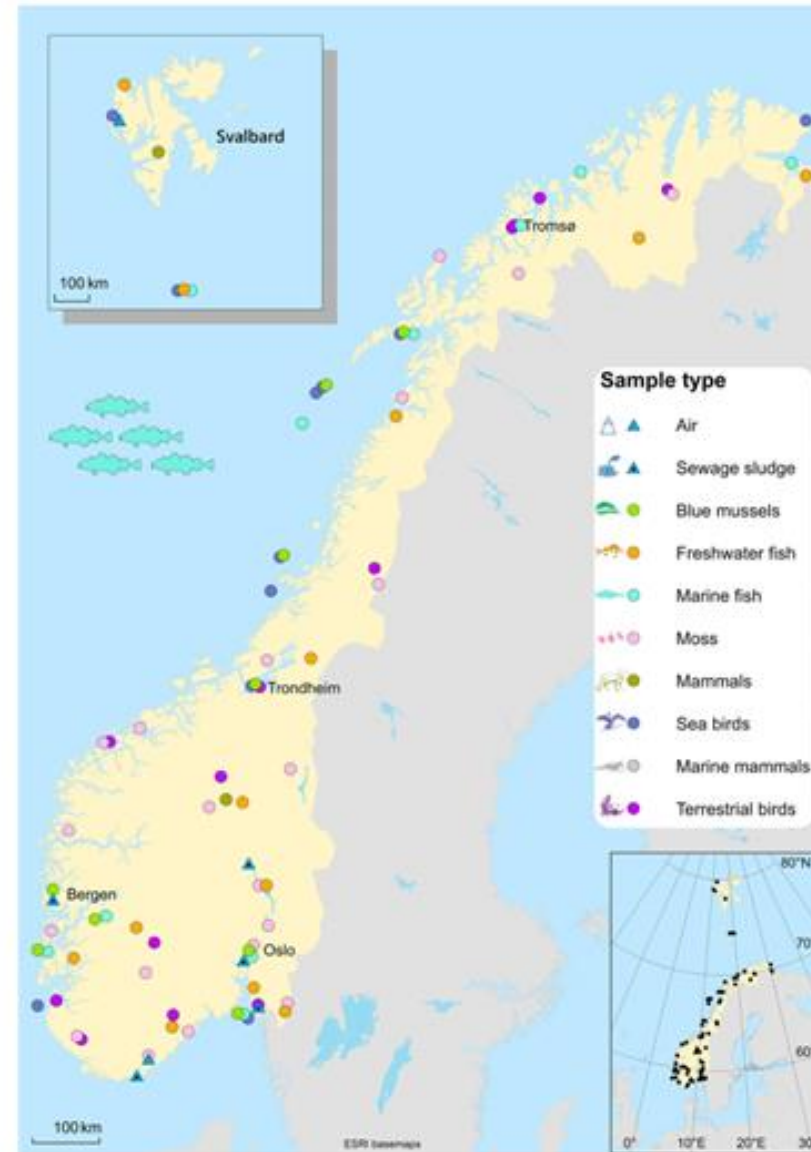


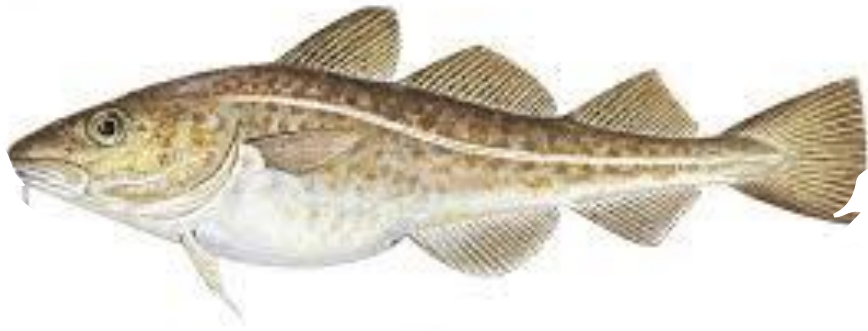
Abiotic samples



Air and sewage sludge

- | | |
|---|-------------------|
|  | Air |
|  | Sewage sludge |
|  | Blue mussels |
|  | Freshwater fish |
|  | Marine fish |
|  | Moss |
|  | Mammals |
|  | Sea birds |
|  | Marine mammals |
|  | Terrestrial birds |





Fish

- Brain
- Otholites
- Bile

- Muscle
- Liver





Photo: Åshild Pedersen,
Norsk polarinstitutt



Photo: Elin Vinje Jenssen,
Norsk polarinstitutt



Photo: Oddgeir Sagerup



Photo: Jon Aars,
Norsk polarinstitutt

Open for applications

Protocols

Relevant for env
protection
administration

Studies of emerging
contaminants
Timetrends

Studies related to
biological effects

Bioaccumulation
Biomagnification

Norwegian partners

www.miljoprobebanken.no

