Biodiversitet - og alt det løse

Med Alexander Holm

Hvad skal der ske i dag?

- Introduktion
- En hurtig snak om biodiversitet
- Alt det løse
- Løsninger

Hvem er jeg?

- Biolog og miljøjournalist
- Radio- og podcastvært, foredragsholder, moderator
- Klummeskribent

Biodiversitet

Hvad er det?

Biodiversitet er **mangfoldigheden** af liv

Økosystemtjenester

Viruses. 2021 Oct; 13(10): 2062.
Published online 2021 Oct 14. doi: 10.3390/v13102062

PMCID: PMC8541390
PMID: 34696492

Evaluation of the Presence of ASFV in Wolf Feces Collected from Areas in Poland with ASFV Persistence

Maciej Szewczyk,[1,†] Krzysztof Łepek,[2,†] Sabina Nowak,[3] Małgorzata Witek,[1] Anna Bajcarczyk,[2] Korneliusz Kurek,[4] Przemysław Stachyra,[5] Robert W. Mysłajek,[3,*] and Bogusław Szewczyk[2,*]

Magdalena Materniak-Kornas, Academic Editor and Jacek Kuźmak, Academic Editor

Medicin

Global pollinator losses causing 500,000 early deaths a year – study

Insect declines mean reduced yields of healthy foods like fruit and vegetables and increased disease in people

MEXICO
MEXICO
JALISCO MEXICO
SIERRA
TEQUILA
Silver
IMPORTED

a
b
c
d
e
f
g
h
i
j
k
l

Billedet er taget i 1987
- fra et at Danas togter
de her kæmpe store torsk

Og på det næste billede her,

50% af den globale økonomi er afhængig af naturen

Biodiversitetskrisen

Hvorfor har vi en biodiversitetskrise?

1. Tab og ødelæggelse af habitater
2. Overudnyttelse af arter og ressourcer
3. Klimaforandringer
4. Forurening
5. Invasive arter

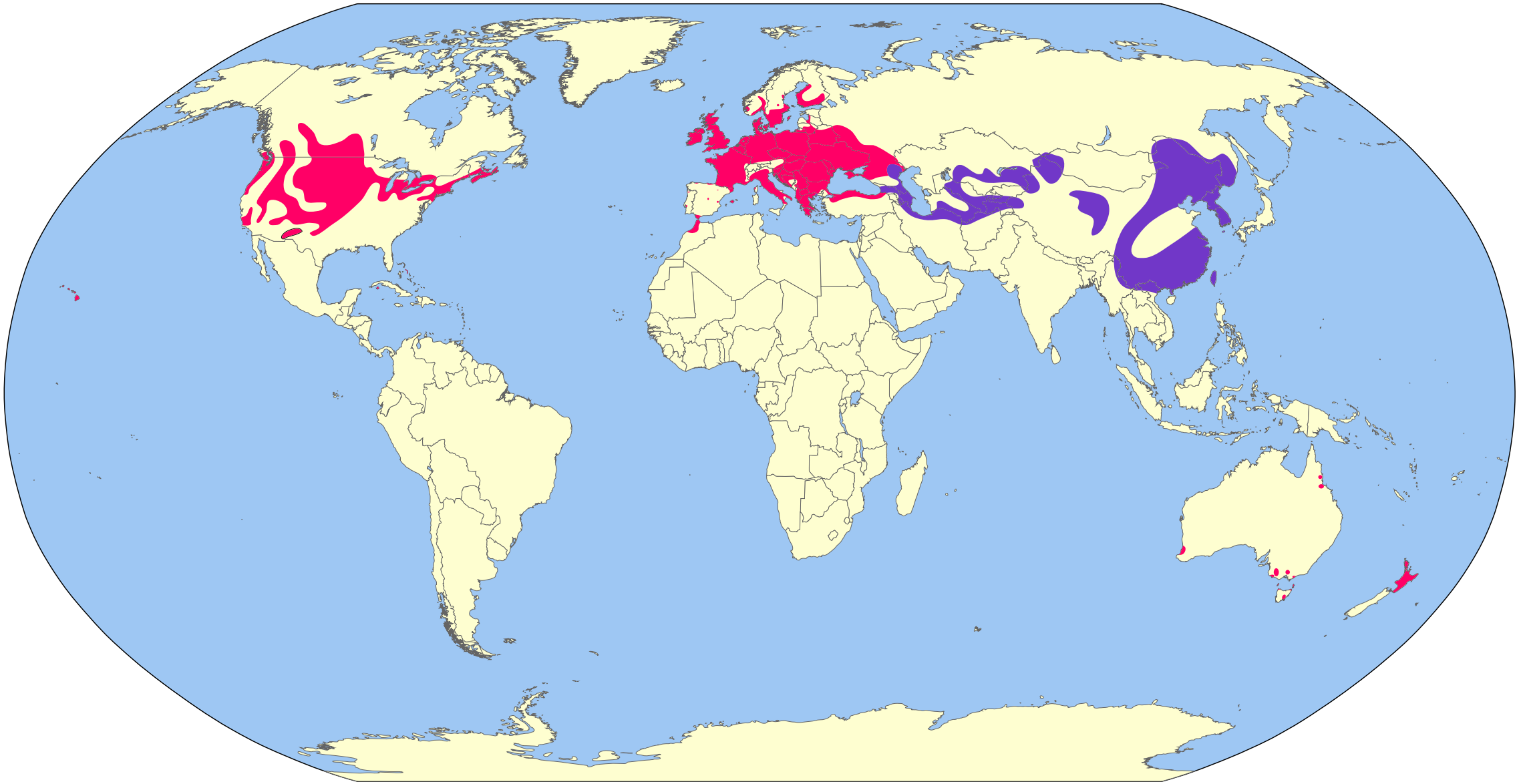
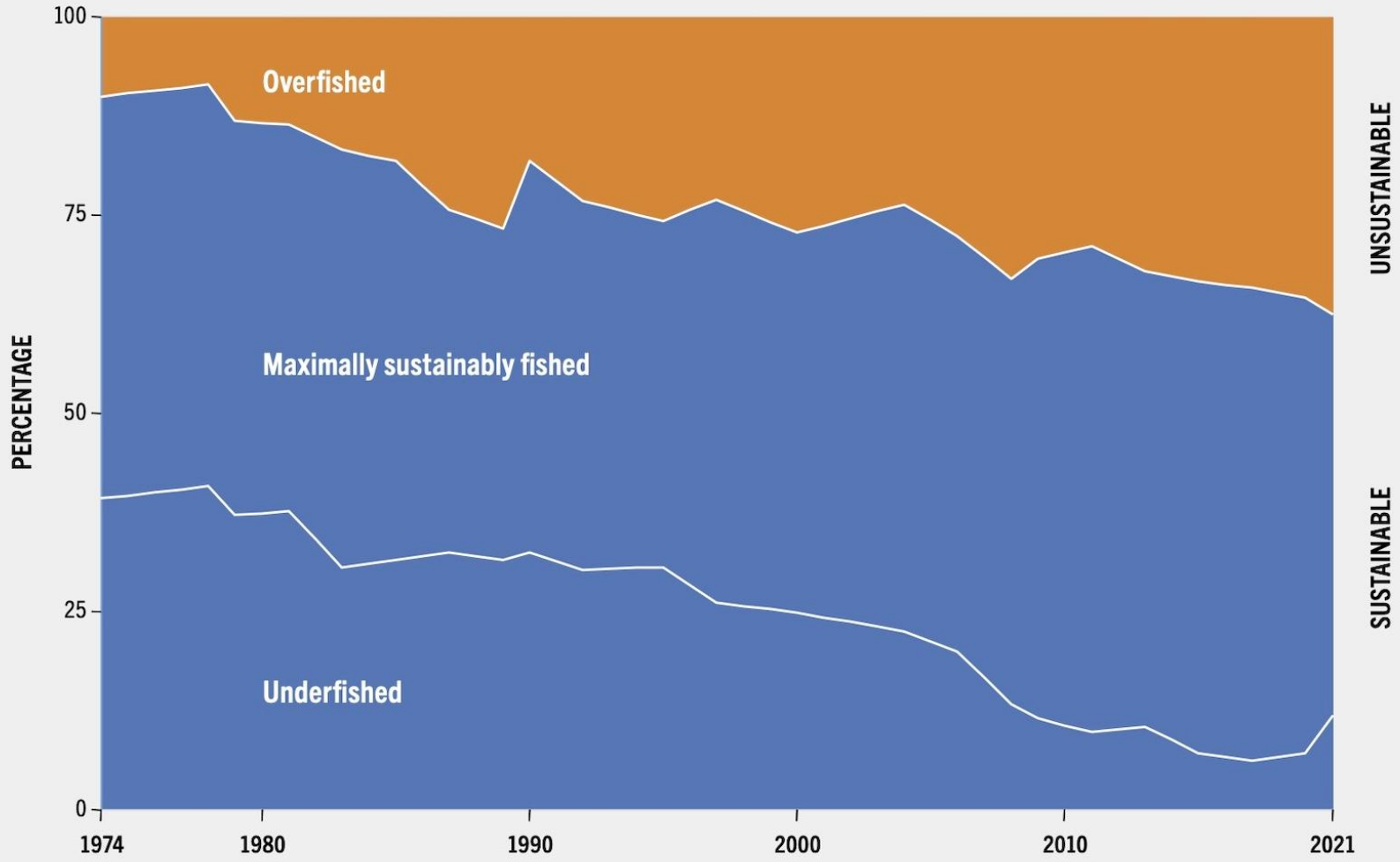


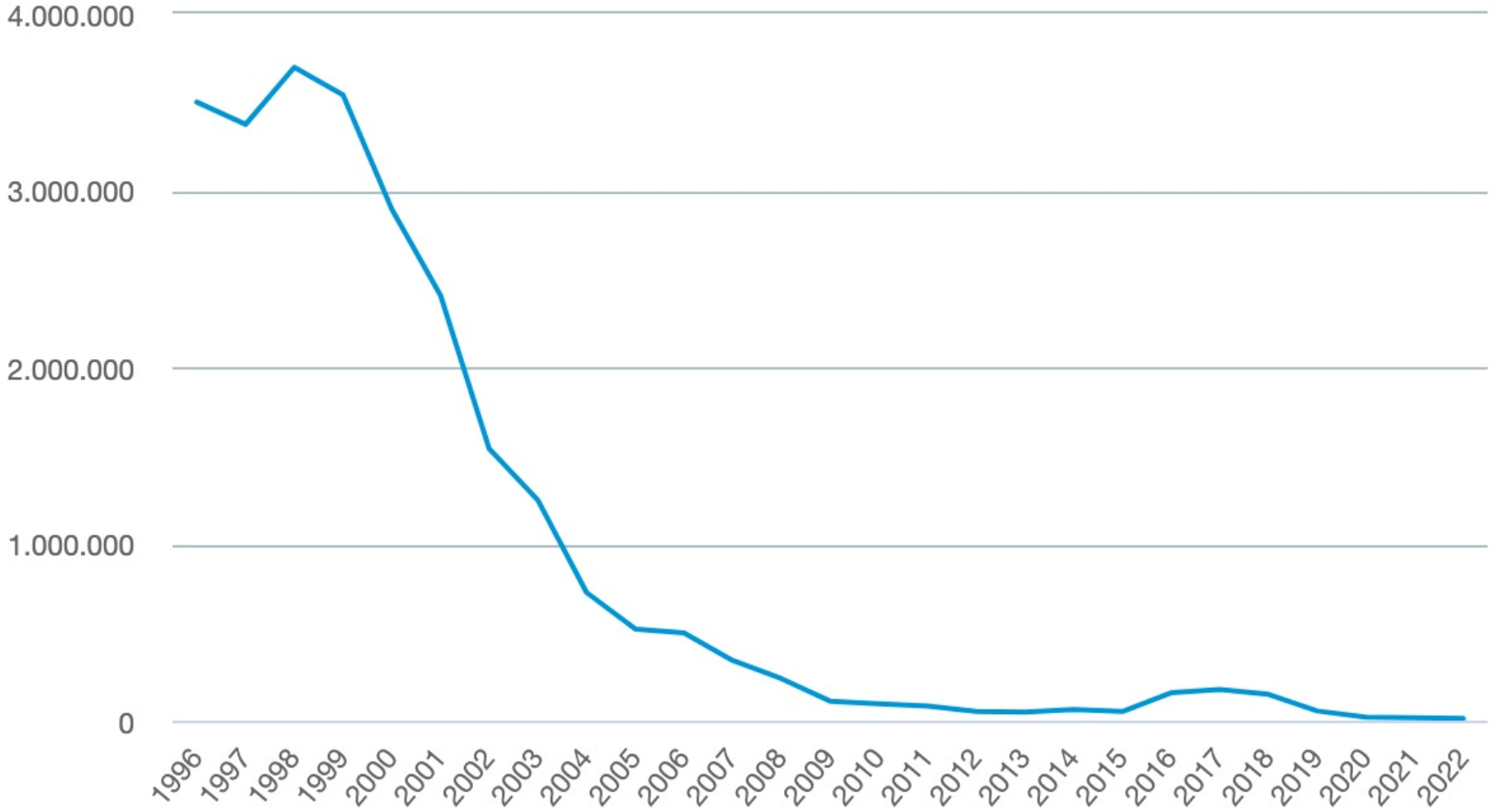
FIGURE 18 GLOBAL TRENDS IN THE STATE OF THE WORLD'S MARINE FISHERY STOCKS, 1974–2021



SOURCE: FAO estimates.

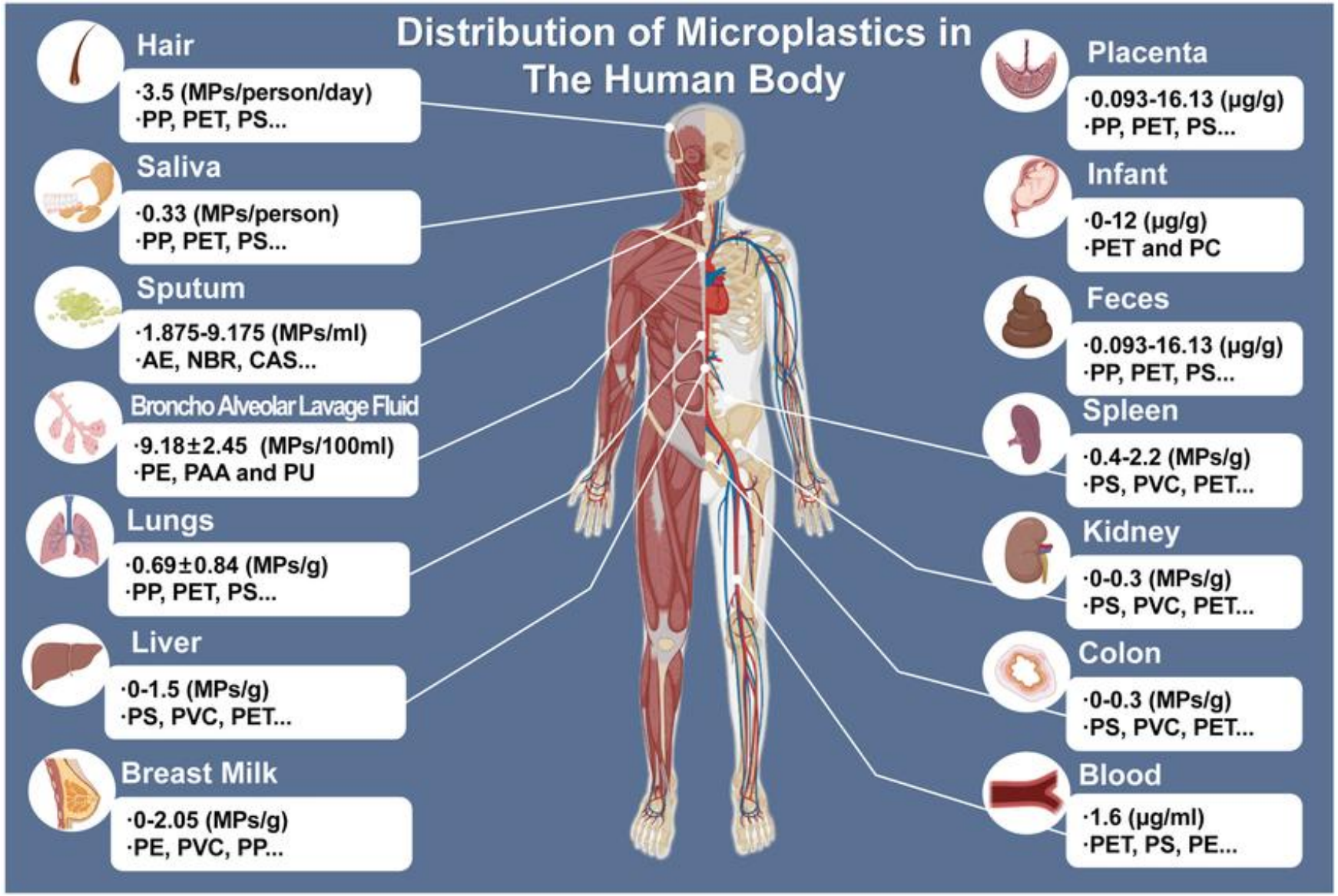
Danske fartøjers landing af fisk

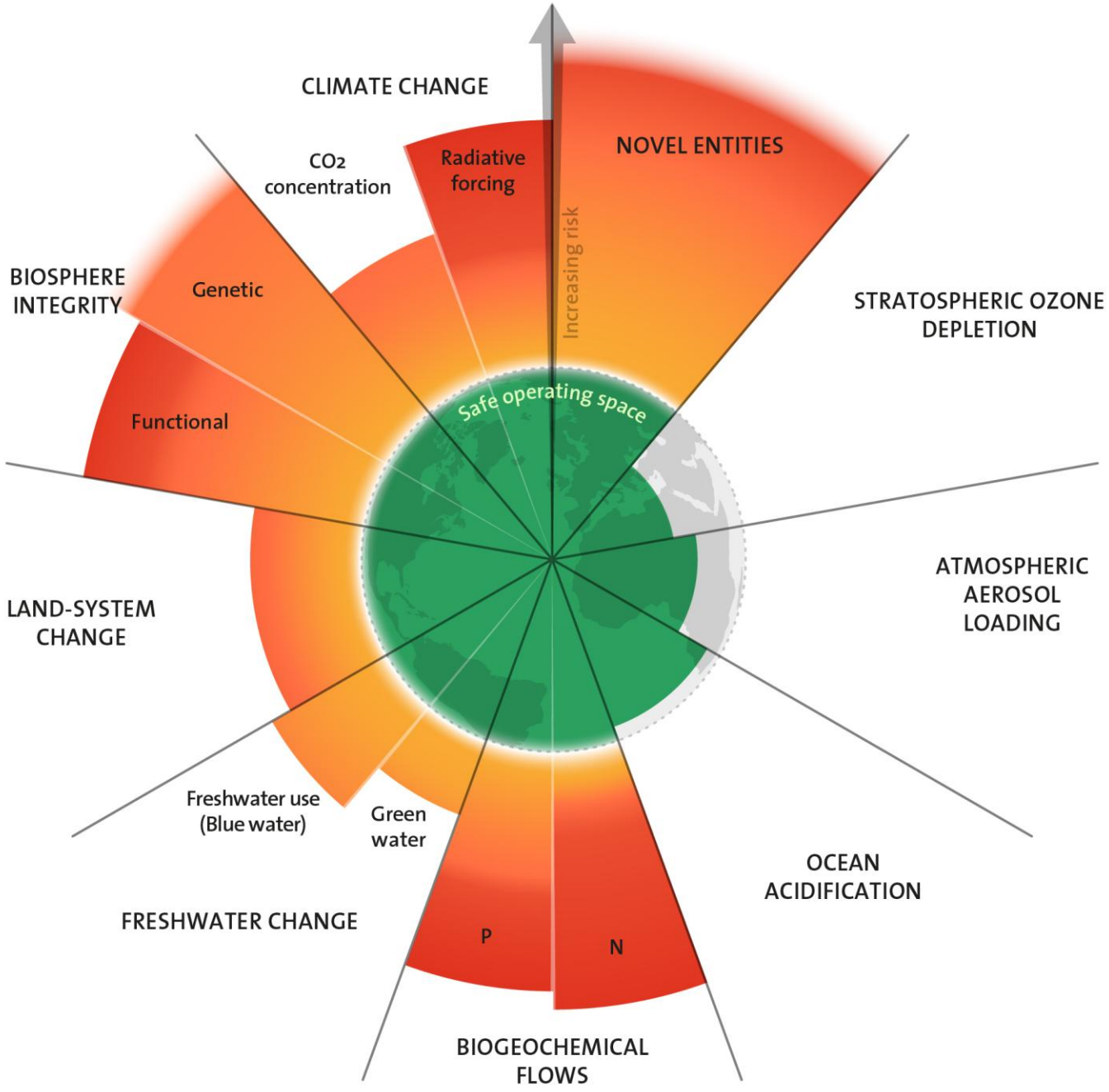
Fiskeart: 1.1. Torsk | Enhed: Landet vægt (kg.) | Landingsplads: Landinger i alt | Fangstområde: Kattegat:



CHICO

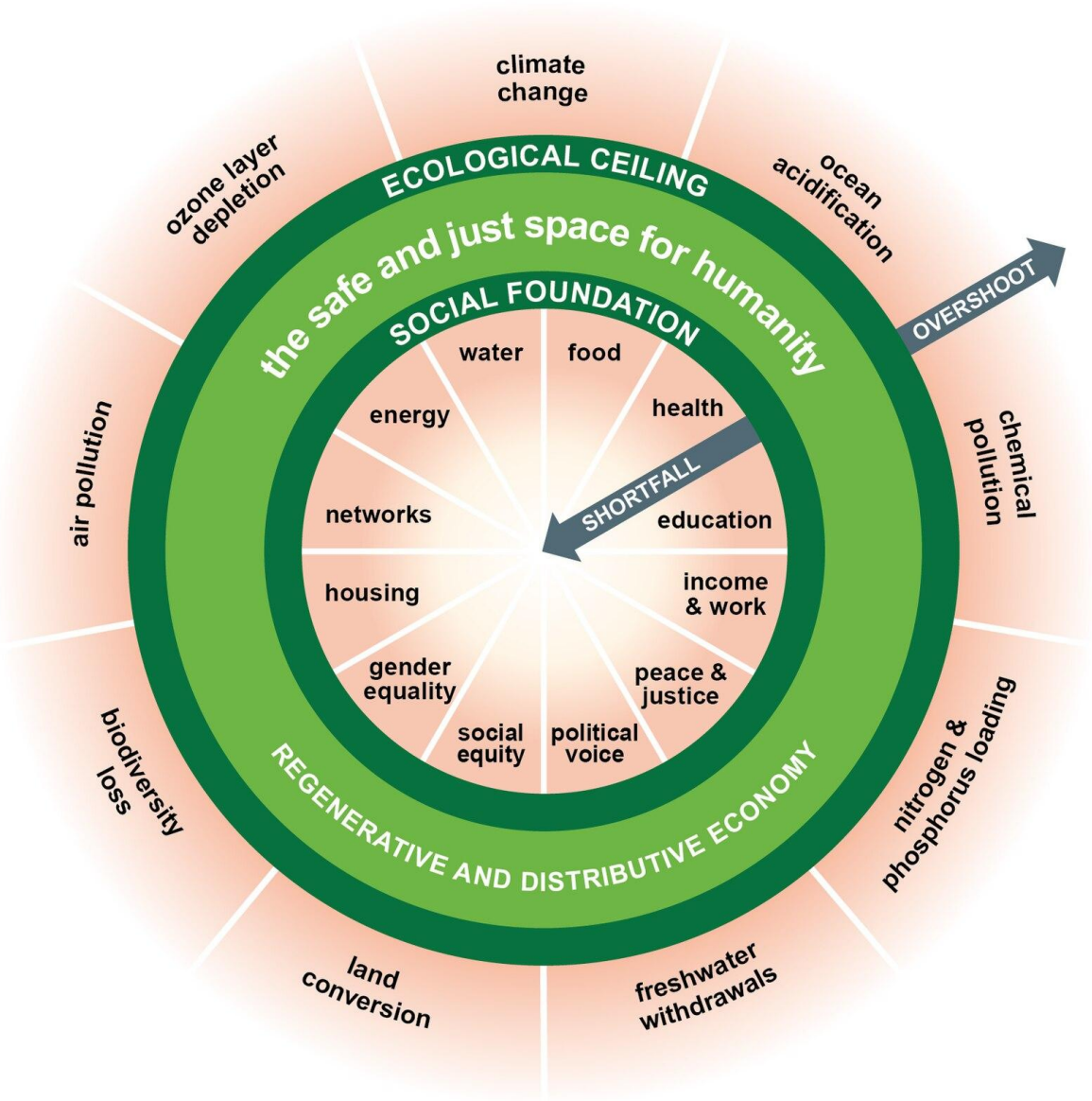
Fischer
Mini Croissant
7 DAYS


Distribution of Microplastics in The Human Body
Hair
·3.5 (MPs/person/day)
·PP, PET, PS...
Saliva
·0.33 (MPs/person)
·PP, PET, PS...
Sputum
·1.875-9.175 (MPs/ml)
·AE, NBR, CAS...
Broncho Alveolar Lavage Fluid
·9.18±2.45 (MPs/100ml)
·PE, PAA and PU
Lungs
·0.69±0.84 (MPs/g)
·PP, PET, PS...
Liver
·0-1.5 (MPs/g)
·PS, PVC, PET...
Breast Milk
·0-2.05 (MPs/g)
·PE, PVC, PP...
Placenta
·0.093-16.13 (μg/g)
·PP, PET, PS...
Infant
·0-12 (μg/g)
·PET and PC
Feces
·0.093-16.13 (μg/g)
·PP, PET, PS...
Spleen
·0.4-2.2 (MPs/g)
·PS, PVC, PET...
Kidney
·0-0.3 (MPs/g)
·PS, PVC, PET...
Colon
·0-0.3 (MPs/g)
·PS, PVC, PET...
Blood
·1.6 (μg/ml)
·PET, PS, PE...


CLIMATE CHANGE
CO2 concentration
Radiative forcing
NOVEL ENTITIES
Increasing risk
BIOSPHERE INTEGRITY
Genetic
Functional
STRATOSPHERIC OZONE DEPLETION
Safe operating space
LAND-SYSTEM CHANGE
ATMOSPHERIC AEROSOL LOADING
Freshwater use (Blue water)
Green water
OCEAN ACIDIFICATION
FRESHWATER CHANGE
P
N
BIOGEOCHEMICAL FLOWS

Hvordan løser vi det?

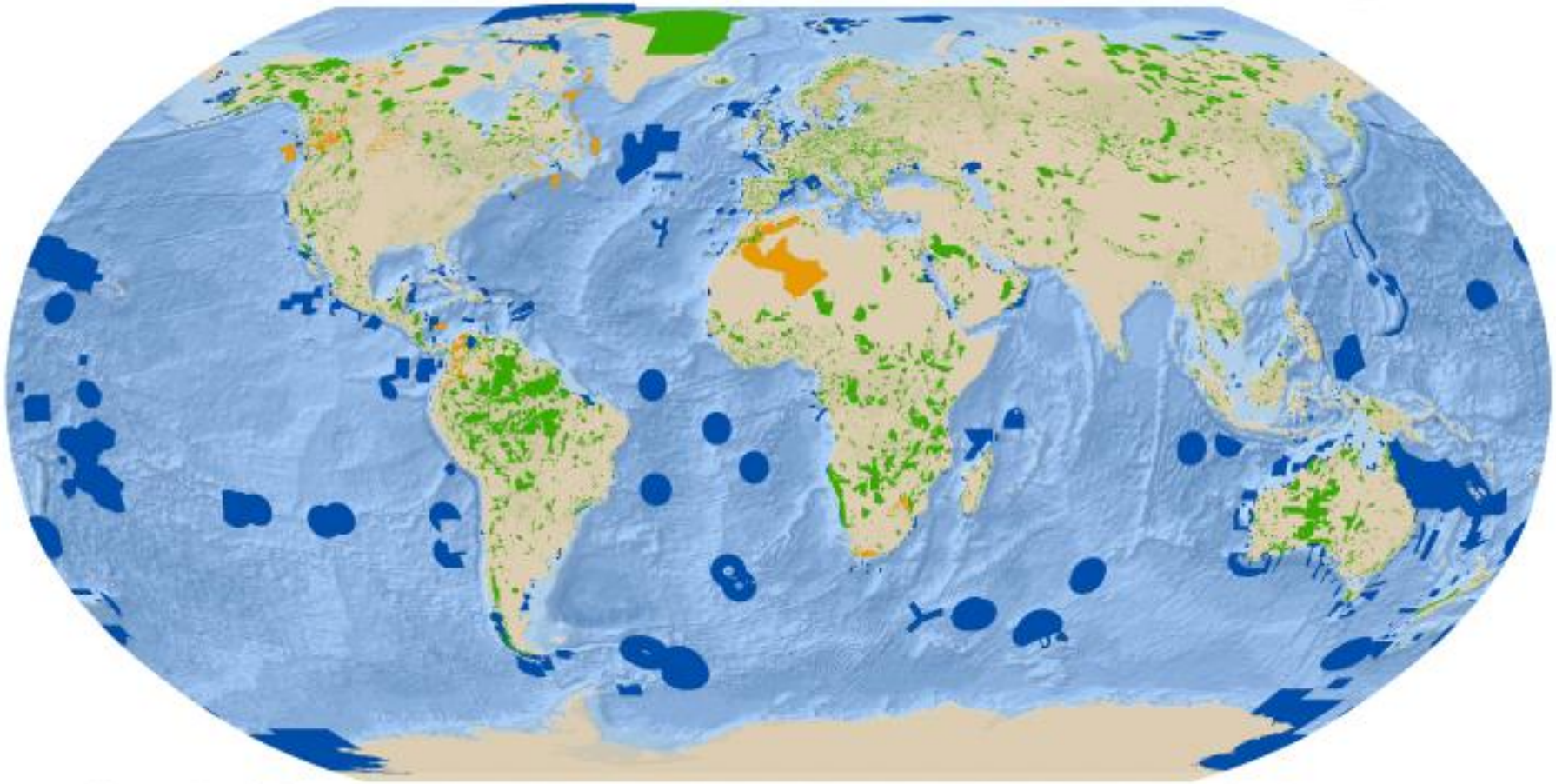
Kan du løse det alene?


climate change
ocean acidification
chemical pollution
nitrogen & phosphorus loading
freshwater withdrawals
land conversion
biodiversity loss
air pollution
ozone layer depletion
ECOLOGICAL CEILING
OVERSHOOT
the safe and just space for humanity
SOCIAL FOUNDATION
SHORTFALL
water
food
health
education
income & work
peace & justice
political voice
social equity
gender equality
housing
networks
energy
REGENERATIVE AND DISTRIBUTIVE ECONOMY

LAV OG BESKYT NATUR

Protected areas and OECMs of the world

protectedplanet



Source: UNEP-WCMC and IUCN (2025). Protected Planet: The World Database on Protected Areas (WDPA) and World Database on Other Effective Area-Based Conservation Measures (WD-OECM) [On-line], January 2025, Cambridge, UK: UNEP-WCMC. Available at www.protectedplanet.net

UN environment programme WCMC

Terrestrial and inland waters protected areas | Marine and coastal protected areas | OECMs

IUCN WCPA

En parkeringsplads ved Furesø.

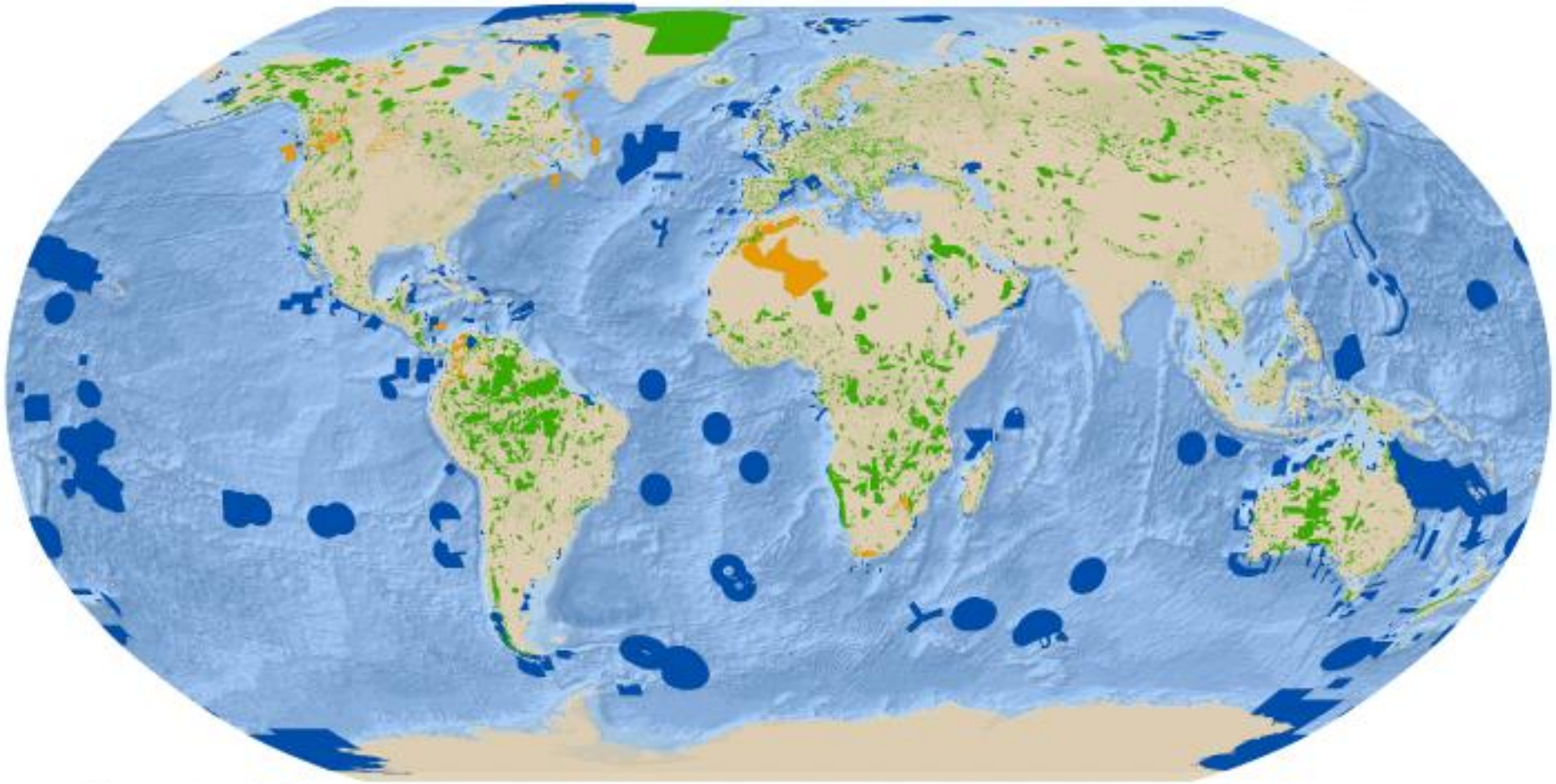
En minigolfbane nær Karrebæksminde.

En nedlagt minkfarm ved Ringkøbing.

I Dyrehaven ligger en golfbane.

Protected areas and OECMs of the world

protectedplanet



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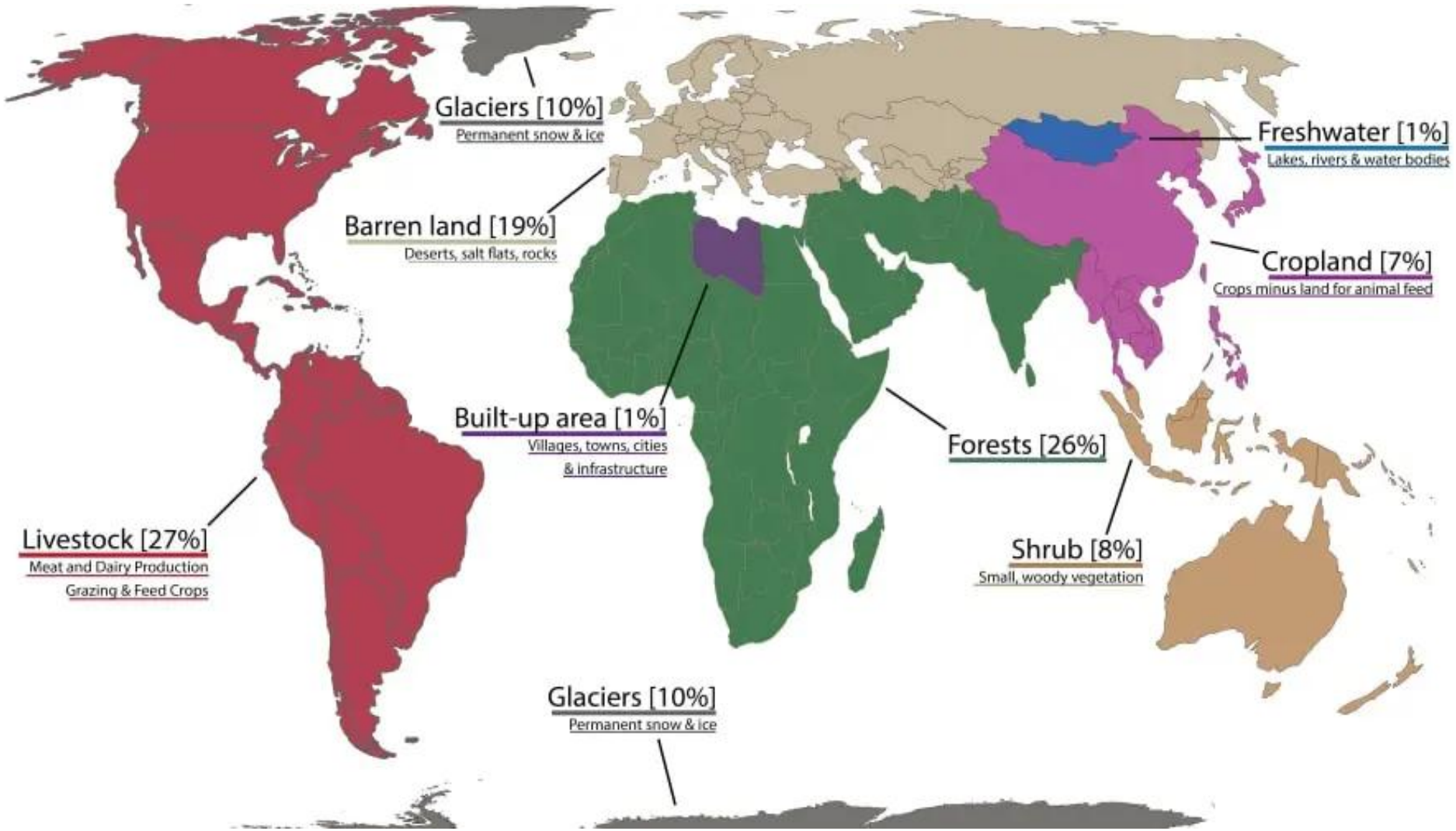
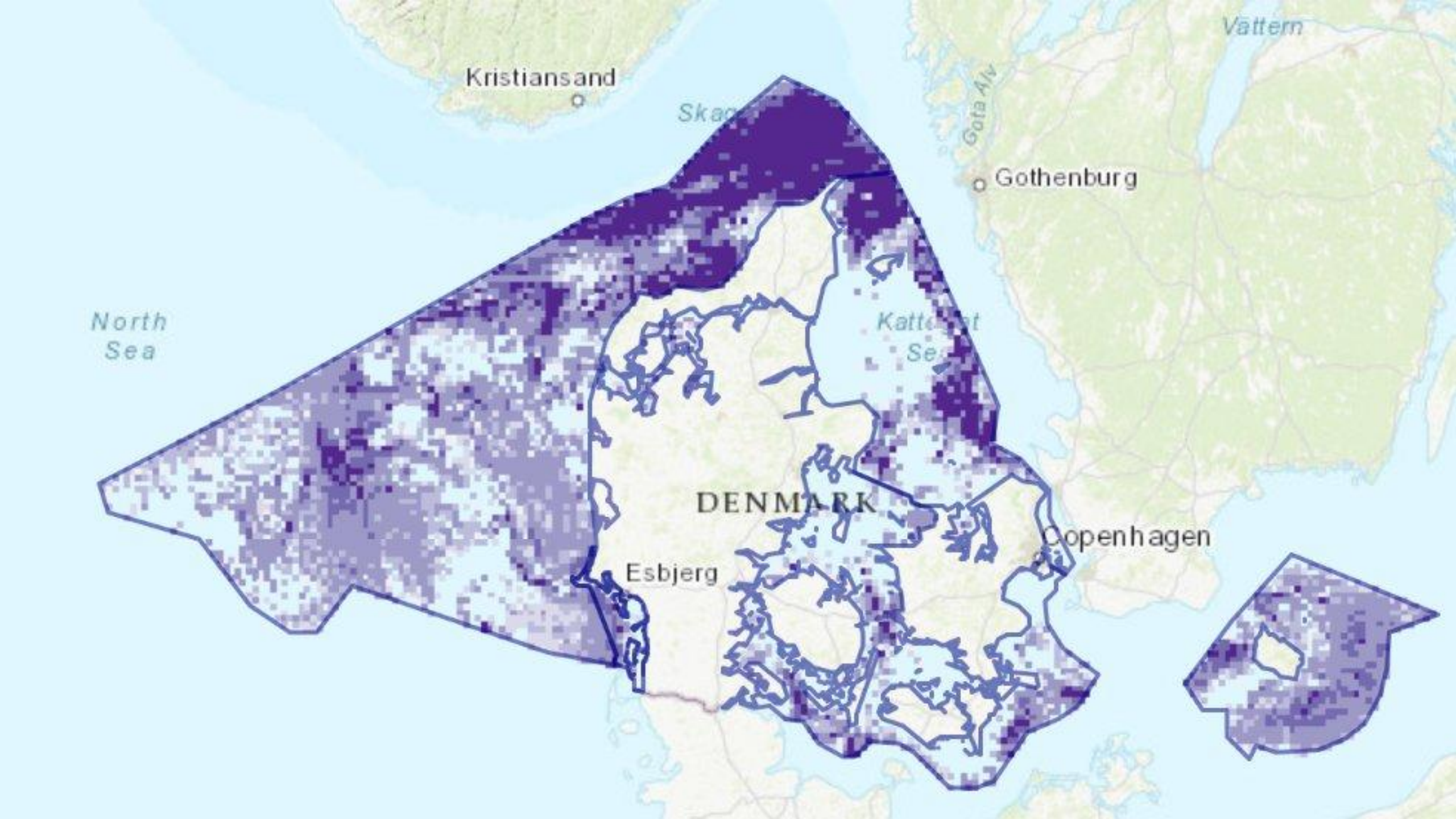
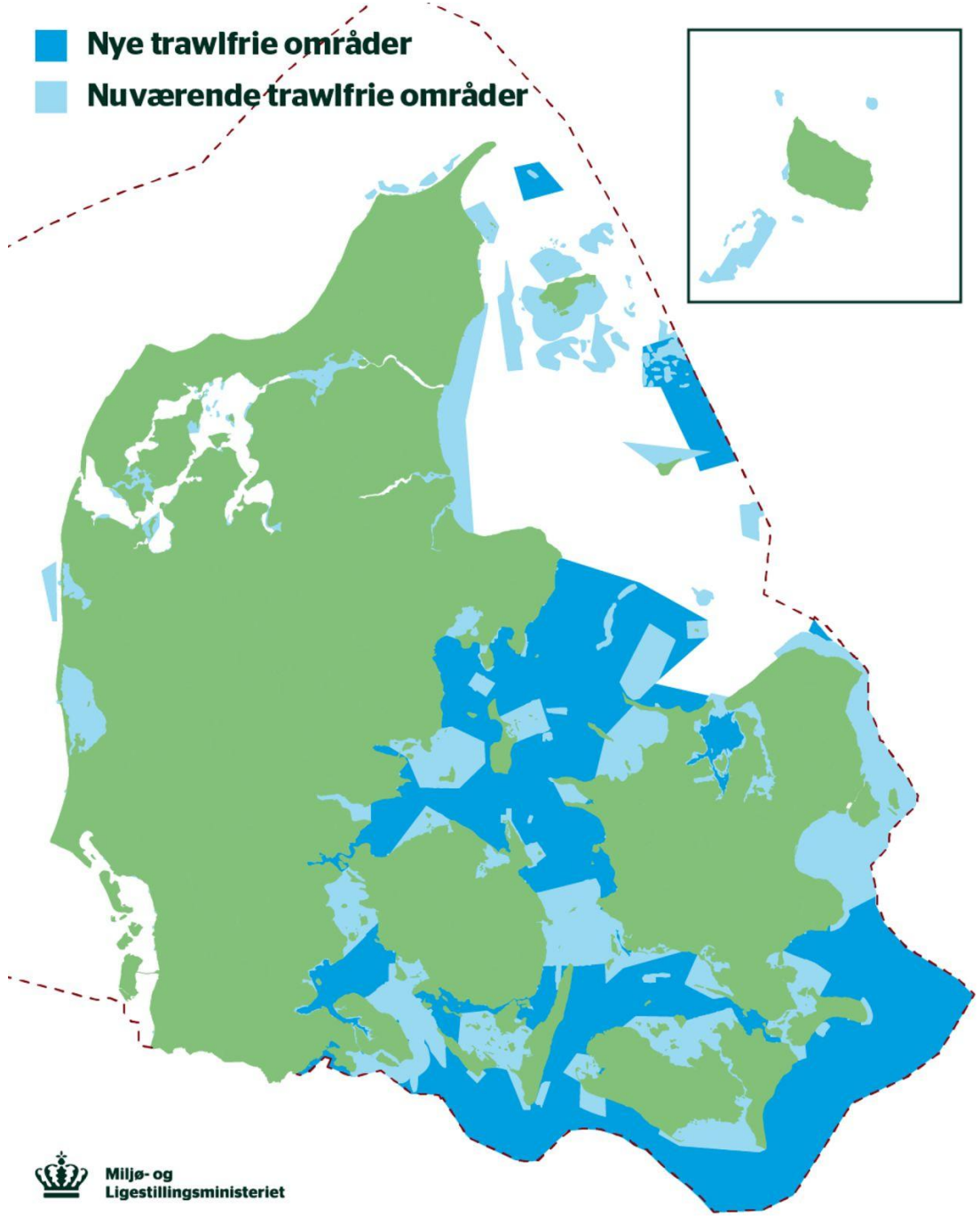
UN environment programme WCMC

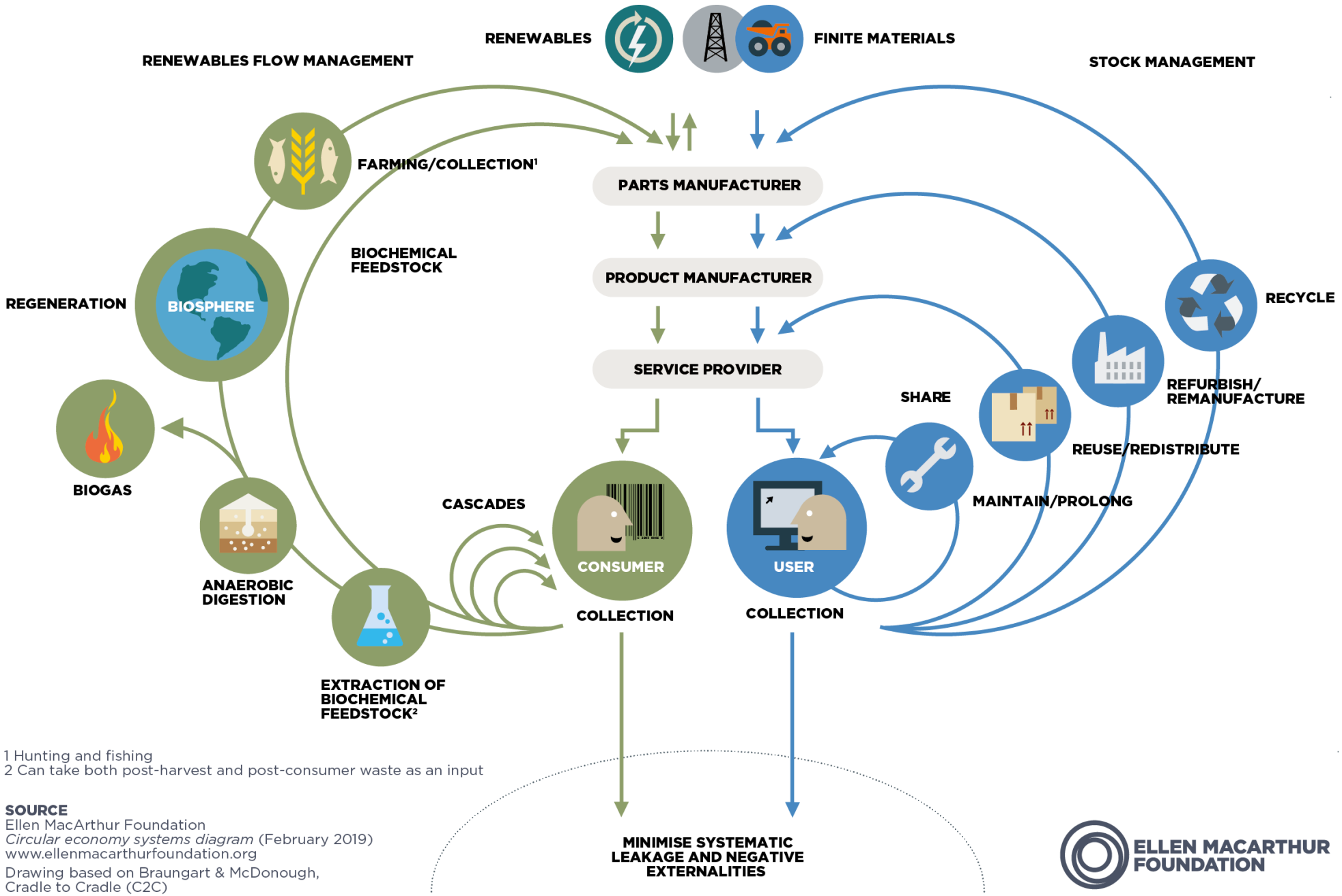
Terrestrial and inland waters protected areas | Marine and coastal protected areas | OECMs

IUCN WCPA


Glaciers [10%]
Permanent snow & ice
Freshwater [1%]
Lakes, rivers & water bodies
Barren land [19%]
Deserts, salt flats, rocks
Cropland [7%]
Crops minus land for animal feed
Built-up area [1%]
Villages, towns, cities
& infrastructure
Forests [26%]
Livestock [27%]
Meat and Dairy Production
Grazing & Feed Crops
Shrub [8%]
Small, woody vegetation
Glaciers [10%]
Permanent snow & ice


Kristiansand
Skag
Gota Alv
Vattern
Gothenburg
North
Sea
Kattegat
Se
DENMARK
Copenhagen
Esbjerg


Nye trawlfrie områder
Nuværende trawlfrie områder
Miljø- og
Ligestillingsministeriet



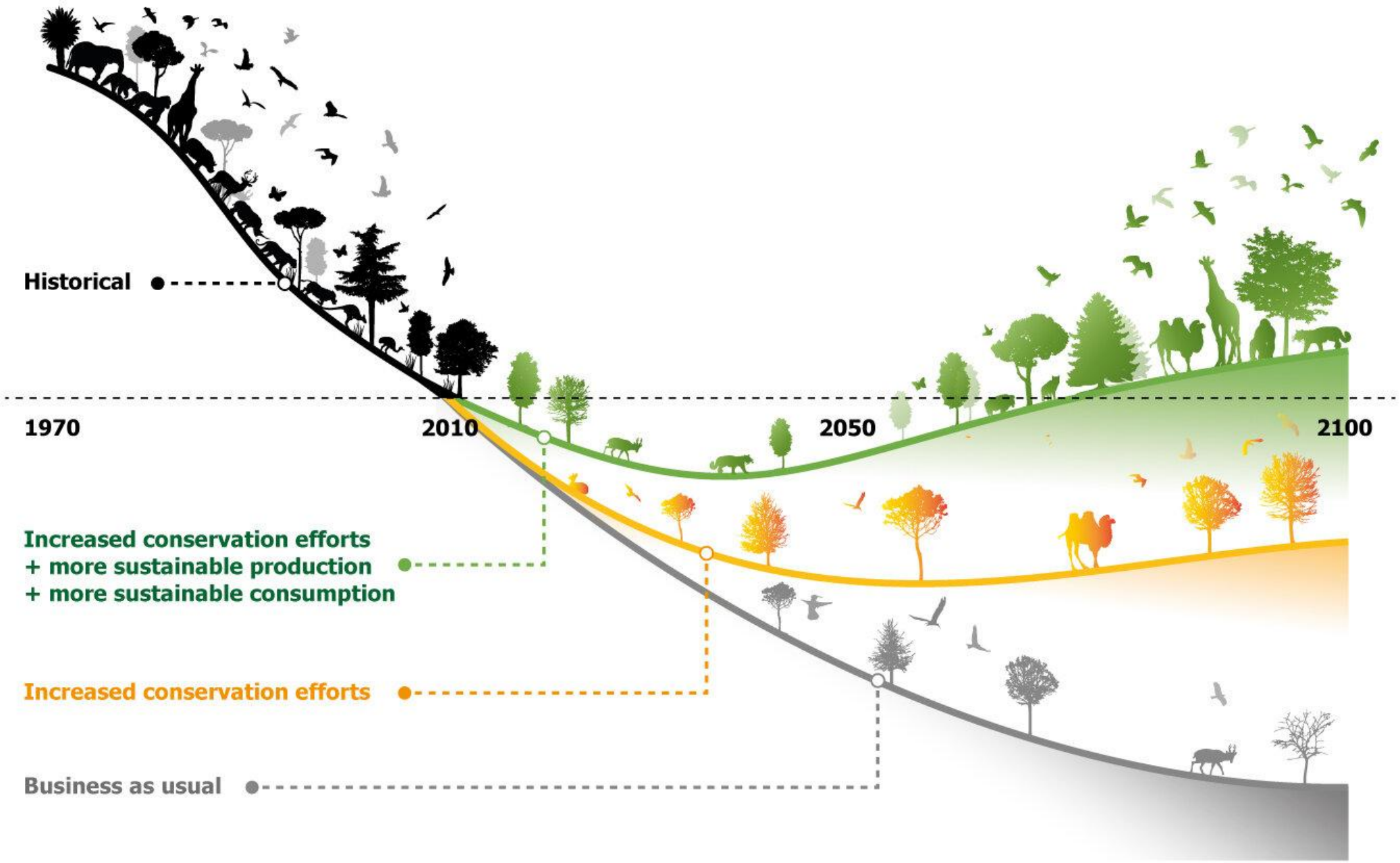
1 Hunting and fishing
2 Can take both post-harvest and post-consumer waste as an input

SOURCE
Ellen MacArthur Foundation
Circular economy systems diagram (February 2019)
www.ellenmacarthurfoundation.org
Drawing based on Braungart & McDonough, Cradle to Cradle (C2C)

ELLEN MACARTHUR FOUNDATION

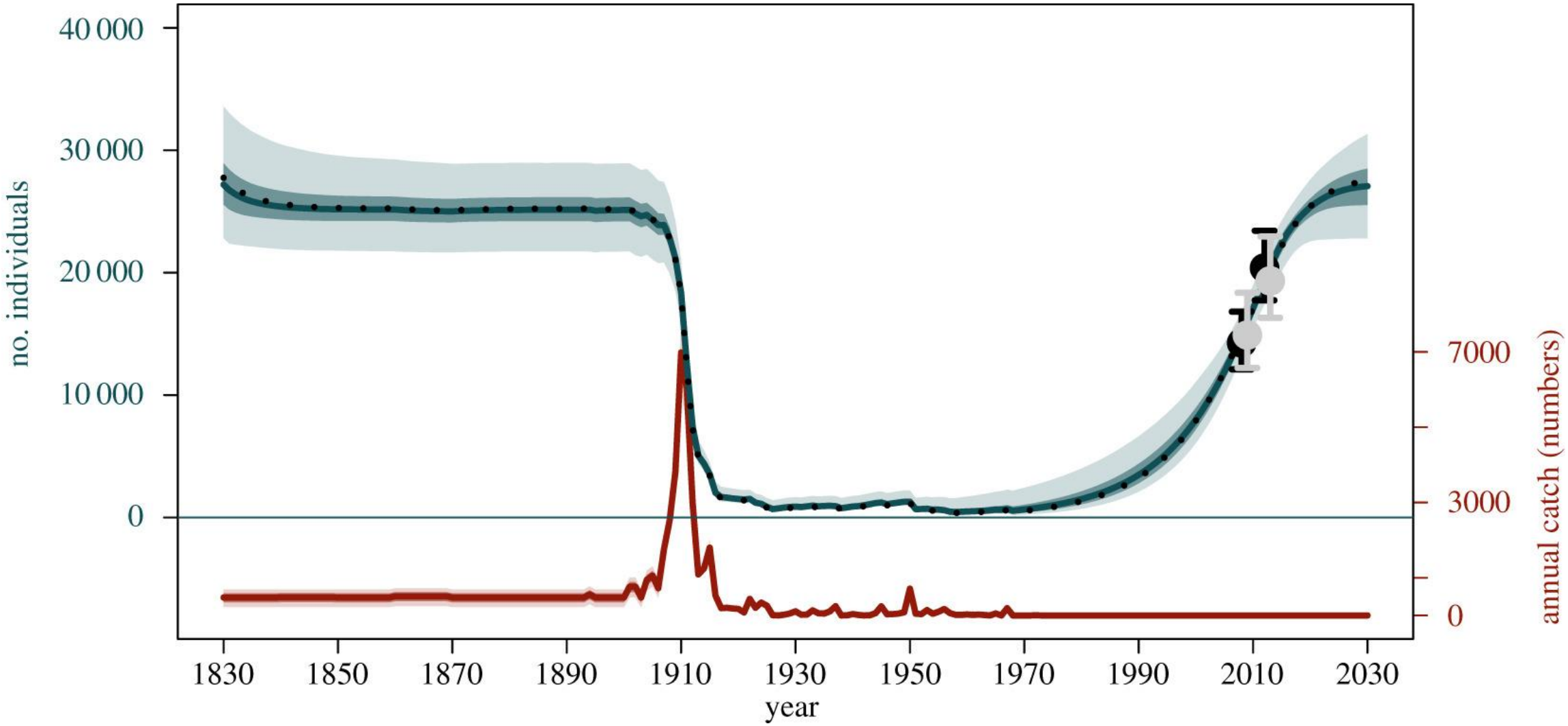
Hvad kan du gøre?

- Kig på forbrug. Er der noget der kan undværes?
- Vær kritiske hvad angår certifikater
- Benyt produkter med så få skadelige kemikalier som muligt
- Hvad angår fødevarer: Hvor meget udleder produktionen?



This artwork illustrates the main findings of the article, but does not intend to accurately represent its results (https://doi.org/10.1038/s41586-020-2705-y)

Betal for forurening



Zerbini Alexandre N., Adams Grant, Best John, Clapham Phillip J., Jackson Jennifer A. and Punt Andre E. (2019). *Assessing the recovery of an Antarctic predator from historical exploitation*. **Royal Society Open Science 6**:190368

TAK
Spørgsmål?

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