

## Global afrapportering 2021

### Baggrundsnotat om koblingen mellem Exiobase og Danmarks Statistiks IO-tabeller

Til beregningen af Danmarks forbrugsbaserede klimaaftryk bliver data fra Exiobase koblet med data fra Danmarks Statistik (DST). Emissionsfaktorer fra Exiobase bliver anvendt til at beregne udledningerne fra dansk import. Exiobase er på nuværende tidspunkt inddelt i 163 branchekategorier, hvorimod IO-tabellerne fra DST er inddelt i 117 brancher. Der er derfor et behov for at parre Exiobase-brancherne med de 117 brancher fra DST. Til det er der blevet lavet en overensstemmelsesmatrice.

Både Danmarks Statistiks (DST) brancher og Exiobase-brancherne er på forhånd holdt op imod NACE/Eurostat's 65 brancheinddeling.

**Tablet 1** i bilaget præsenterer, hvordan brancherne fra Exiobase og DST er matchet op imod hinanden i overensstemmelse med brancherne fra NACE/Eurostat. Når de 163 brancher fra Exiobase skal matches med de 117 brancher kan man komme ud for fire forskellige tilfælde:

1. Et én-til én match – en Exiobasekategori matcher en DST branche
2. Et én til mange match – én Exiobasekategori matcher flere DST brancher
3. Et mange til én match – flere Exiobasekategorier matcher én DST branche
4. Mange til mange match – flere Exiobasekategorier matcher flere DST brancher

I tilfælde to, tre og fire er det påkrævet at lave en kvalitativ vurdering af, hvilke brancher der skal parres med hinanden fra Exiobase og de danske brancher. Parringen ligger til grund for udviklingen af emissionsfaktorer for importen. Emissioner relateret til produktionen i Danmark er udelukkende baseret på data fra DST. De vægtede emissionsfaktorer for importen er beregnet ud fra import- og emissionsdata fra Exiobase i hhv. mio. EUR og ton CO<sub>2</sub>e og bliver som sidste step koblet med DSTs import IO-tabel.

**Kontor/afdeling**  
SYS

**Dato**  
23-06-2021

**J nr.**

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## Bilag - Parring af Exiobase mod Danmarks Statistik

Tabel 1: Overblik over parring mellem Danmarks Statistik og EXIOBASE  
brancher.

Danmarks Statistik	EXIOBASE
Landbrug og gartneri	Cultivation of paddy rice
	Cultivation of wheat
	Cultivation of cereal grains nec
	Cultivation of vegetables, fruit, nuts
	Cultivation of oil seeds
	Cultivation of sugar cane, sugar beet
	Cultivation of plant-based fibers
	Cultivation of crops nec
	Cattle farming
	Pigs farming
	Poultry farming
	Meat animals nec
	Animal products nec
	Raw milk
Wool, silk-worm cocoons	
Manure treatment (conventional) and land application	
Manure treatment (biogas) and land application	
Skovbrug	Forestry, logging and related service activities (02)
Fiskeri	Fishing, operating of fish hatcheries and fish farms; service activities incidental to fishing (05)
Indvinding af olie og gas	Mining of coal and lignite; extraction of peat (10)
	Extraction of crude petroleum and services related to crude oil extraction, excluding surveying
	Extraction of natural gas and services related to natural gas extraction, excluding surveying
	Extraction, liquefaction, and regasification of other petroleum and gaseous materials
Indvinding af grus og sten	Mining of uranium and thorium ores (12)
	Mining of iron ores
	Mining of copper ores and concentrates
	Mining of nickel ores and concentrates
	Mining of aluminium ores and concentrates
	Mining of precious metal ores and concentrates
	Mining of lead, zinc and tin ores and concentrates
	Mining of other non-ferrous metal ores and concentrates
	Quarrying of stone
	Quarrying of sand and clay
	Mining of chemical and fertilizer minerals, production of salt, other mining and quarrying n.e.c.
Service til råstofindvinding	Extraction of crude petroleum and services related to crude oil extraction, excluding surveying
	Extraction of natural gas and services related to natural gas extraction, excluding surveying
Slagterier	Processing of meat cattle

Danmarks Statistik	EXIOBASE
	Processing of meat pigs Processing of meat poultry Production of meat products nec
Fiskeindustri	Manufacture of fish products
Mejerier	Processing of dairy products
Bagerier, brødfabrikker mv.	Processing of Food products nec
Anden fødevarerindustri	Processing vegetable oils and fats Processed rice Sugar refining Processing of Food products nec
Drikkevarerindustri	Manufacture of beverages
Tobaksindustri	Manufacture of tobacco products (16)
Tekstilindustri	Manufacture of textiles (17)
Beklædningsindustri	Manufacture of wearing apparel; dressing and dyeing of fur (18)
Læder- og fodtøjsindustri	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery, harness and footwear (19)
Træindustri	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials (20) Woodwaste
Papirindustri	Pulp Recycling of waste paper Paper
Trykkerier mv.	Publishing, printing and reproduction of recorded media (22)
Olieraffinaderier mv.	Manufacture of coke oven products Petroleum Refinery Processing of nuclear fuel
Fremst. af basiskemikalier	Plastics, basic Recycling of plastics waste N-fertiliser P- and other fertiliser Chemicals nec
Fremst. af maling og sæbe mv.	Chemicals nec
Medicinalindustri	Chemicals nec
Plast- og gummiindustri	Manufacture of rubber and plastic products (25)
Glas-, keramisk industri	Manufacture of glass and glass products Recycling of glass waste Manufacture of ceramic goods
Betonindustri og teglværker	Manufacture of bricks, tiles and construction products, in baked clay Manufacture of cement, lime and plaster Recycling of ash Manufacture of other non-metallic mineral products n.e.c.

Danmarks Statistik	EXIOBASE
Fremst. af metal	Manufacture of basic iron and steel and of ferro-alloys and first products thereof Recycling of steel scrap Precious metals production Recycling of precious metals waste Aluminium production Recycling of aluminium waste Lead, zinc and tin production Recycling of lead, zinc and tin waste Copper production Recycling of copper waste Other non-ferrous metal production Recycling of other non-ferrous metals waste Casting of metals
Metalvareindustri	Manufacture of fabricated metal products, except machinery and equipment (28)
Fremst. af it-udstyr	Manufacture of office machinery and computers (30) Manufacture of radio, television and communication equipment and apparatus (32) Manufacture of medical, precision and optical instruments, watches and clocks (33)
Fremst. af anden elektronik	Manufacture of office machinery and computers (30) Manufacture of radio, television and communication equipment and apparatus (32) Manufacture of medical, precision and optical instruments, watches and clocks (33)
Fremst. af el-motorer mv.	Manufacture of electrical machinery and apparatus n.e.c. (31)
Fremst. af ledninger og kabler	Manufacture of electrical machinery and apparatus n.e.c. (31)
Fremst. af husholdningsapp.	Manufacture of electrical machinery and apparatus n.e.c. (31)
Fremst. af motorer, vindmøller	Manufacture of machinery and equipment n.e.c. (29)
Fremst. af andre maskiner	Manufacture of machinery and equipment n.e.c. (29)
Fremst. af motorkøretøjer	Manufacture of motor vehicles, trailers and semi-trailers (34)
Fremst. andre transportmidler	Manufacture of other transport equipment (35)
Møbelindustri	Manufacture of furniture; manufacturing n.e.c. (36)
Fremst. af medicinsk udstyr	Manufacture of medical, precision and optical instruments, watches and clocks (33)
Fremst. af legetøj mv.	Manufacture of furniture; manufacturing n.e.c. (36)
Rep. og inst. af maskiner mv.	
Elforsyning	Production of electricity by coal Production of electricity by gas Production of electricity by nuclear Production of electricity by hydro

Danmarks Statistik	EXIOBASE
	Production of electricity by wind Production of electricity by petroleum and other oil derivatives Production of electricity by biomass and waste Production of electricity by solar photovoltaic Production of electricity by solar thermal Production of electricity by tide, wave, ocean Production of electricity by Geothermal Production of electricity nec Transmission of electricity Distribution and trade of electricity
Gasforsyning	Manufacture of gas; distribution of gaseous fuels through mains
Varmeforsyning	Steam and hot water supply
Vandforsyning	Collection, purification and distribution of water (41)
Kloak- og rensningsanlæg	Waste water treatment, food Waste water treatment, other
Indsamling og behandling af affald	Recycling of waste and scrap Glass bottles directly reused Recycling of construction waste Incineration of waste: Food Incineration of waste: Paper Incineration of waste: Plastic Incineration of waste: Metals and Inert materials Incineration of waste: Textiles Incineration of waste: Wood Incineration of waste: Oil/Hazardous waste Biogasification of food waste Biogasification of paper Biogasification of sewage sludge Composting of food waste Composting of paper and wood Landfill of waste: Food Landfill of waste: Paper Landfill of waste: Plastic Landfill of waste: Inert/metal/hazardous Landfill of waste: Textiles Landfill of waste: Wood
Nybyggeri	Construction (45)
Anlægsvirksomhed	Construction (45)
Professionel rep. og vedligeh.	Construction (45)
Gør-det-selv rep.og vedligeh.	Construction (45)
Bilhandel	Sale, maintenance, repair of motor vehicles, motor vehicles parts, motorcycles, motor cycles parts and accessoires
Bilværksteder mv.	Sale, maintenance, repair of motor vehicles, motor vehicles parts, motorcycles, motor cycles parts and accessoires

Danmarks Statistik	EXIOBASE
Engroshandel	Wholesale trade and commission trade, except of motor vehicles and motorcycles (51)
Detailhandel	Retail sale of automotive fuel Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods (52)
Regional- og fjerntog	Transport via railways
Lokaltog, bus og taxi mv.	Transport via railways Other land transport
Fragtvognmænd og rørtransport	Other land transport Transport via pipelines
Skibsfart	Sea and coastal water transport Inland water transport
Luftfart	Air transport (62)
Hjælpevirksomhed til transport	Supporting and auxiliary transport activities; activities of travel agencies (63)
Post og kurertjeneste	Post and telecommunications (64)
Hoteller mv.	Hotels and restaurants (55)
Restauranter	Hotels and restaurants (55)
Forlag	Publishing, printing and reproduction of recorded media (22)
Udgivelse af computerspil mv.	Publishing, printing and reproduction of recorded media (22)
Prod/uds., radio, tv, film, musik	Publishing, printing and reproduction of recorded media (22)
Radio- og tv-stationer	Recreational, cultural and sporting activities (92)
Telekommunikation	Post and telecommunications (64)
It-konsulenter mv.	Computer and related activities (72)
Informationstjenester	Computer and related activities (72)
Pengeinstitutter	Financial intermediation, except insurance and pension funding (65)
Kreditforeninger mv.	Financial intermediation, except insurance and pension funding (65)
Forsikring og pension	Insurance and pension funding, except compulsory social security (66)
Finansielle service	Activities auxiliary to financial intermediation (67)
Ejendomsmæglere mv.	Real estate activities (70)
Udlejning af erhvervsejendomme	Real estate activities (70)
Boliger, husleje i lejebolig	Real estate activities (70)
Boliger, ejerbolig mv.	Real estate activities (70)
Advokatvirksomhed	Other business activities (74)
Revision og bogføring	Other business activities (74)
Virksomhedskonsulenter	Other business activities (74)
Arkitekter og rådg. ingeniører	Other business activities (74)
Forskning og udv., markeds-mæss	Research and development (73)
Forskning og udv., ikke-marked	Research and development (73)

Danmarks Statistik	EXIOBASE
Reklame- og analysebureauer	Other business activities (74)
Anden vidensservice	Other business activities (74)
Dyrlæger	Health and social work (85)
Udlejn. og leasing af materiel	Renting of machinery and equipment without operator and of personal and household goods (71)
Arbejdsformid., vikarbureauer	Other business activities (74)
Rejsebureauer	Supporting and auxiliary transport activities; activities of travel agencies (63)
Vagt og sikkerhedstjeneste	Other business activities (74)
Ejendomsservice mv.	Other business activities (74)
Anden operationel service	Other business activities (74)
Offentlig administration	Public administration and defence; compulsory social security (75)
Forsvar, politi, retsv. ikke-mark	Public administration and defence; compulsory social security (75)
Redningskorps mv., markeds.	Public administration and defence; compulsory social security (75)
Grundskoler	Education (80)
Gymnasier, erhvervsskoler	Education (80)
Videregående udd.institutioner	Education (80)
Voksenundervisn., ikke-markeds	Education (80)
Voksenundervisn. mv, markeds.	Education (80)
Hospitaler	Health and social work (85)
Læger, tandlæger mv.	Health and social work (85)
Plejehjem mv.	Health and social work (85)
Daginstitutioner, -centre mv.	Health and social work (85)
Teater, musik og kunst	Recreational, cultural and sporting activities (92)
Biblioteker, museer, markeds.	Recreational, cultural and sporting activities (92)
Biblioteker, museer, ikke-marked	Recreational, cultural and sporting activities (92)
Lotteri og andet spil	Recreational, cultural and sporting activities (92)
Sport, markeds mæssig	Recreational, cultural and sporting activities (92)
Sport, ikke-markeds mæssig	Recreational, cultural and sporting activities (92)
Forlystelsesparker mv.	Recreational, cultural and sporting activities (92)
Organisationer og foreninger	Activities of membership organisation n.e.c. (91)
Rep. af husholdningsudstyr	Retail trade, except of motor vehicles and motorcycles; repair of personal and household goods (52)
Frisører, vaskerier mv.	Other service activities (93)

<b>Danmarks Statistik</b>	<b>EXIOBASE</b>
Private husholdn. med ansatte	Private households with employed persons (95)