

Owner: Holmris B8
No.: MD-24100-EN
Issued: 12-11-2024
Valid to: 12-11-2029

3rd PARTY VERIFIED

EPD

VERIFIED ENVIRONMENTAL PRODUCT DECLARATION | ISO 14025 & EN 15804



Owner of declaration
Holmrís B8 A/S
Odinsvej 5, 8850 Bjerringbro
21320080

HOLMRIS B8

Issued:
12-11-2024

Valid to:
12-11-2029

Programme
EPD Danmark
www.epddanmark.dk



- Industry EPD
- Product EPD

Basis of calculation

This EPD is developed and verified in accordance with the European standard EN 15804+A2.

Comparability

EPDs of construction products may not be comparable if they do not comply with the requirements in EN 15804. EPD data may not be comparable if the datasets used are not developed in accordance with EN 15804 and if the background systems are not based on the same database.

Validity

This EPD has been verified in accordance with ISO 14025 and is valid for 5 years from the date of issue.

Use

The intended use of an EPD is to communicate scientifically based environmental information for construction products, for the purpose of assessing the environmental performance of buildings.

Declared product(s)

A-Table 200x103x74, A-Table 200x103x90, A-Table 200x128x74, A-Table 200x128x90, A-Table 230x103x74, A-Table 230x103x90, A-Table 230x128x74, A-Table 230x128x90, A-Table 296x103x74, A-Table 296x103x90, A-Table 296x128x74, A-Table 296x128x90, A-Table 420x103x74, A-Table 420x103x90, A-Table 420x128x74, A-Table 420x128x90

Number of declared datasets/product variations: 16

Production site

Odinsvej 5, 8850 Bjerringbro, Denmark

Use of Guarantees of Origin

- No certificates used
- Electricity covered by GoO
- Biogas covered by GoO

Functional unit

Production of one table solution provided and maintained for a period of 15 years.

Year of production site data (A3)

2024

EPD version

1.0

EPD type

- Cradle-to-gate with modules C1-C4 and D
- Cradle-to-gate with options, modules C1-C4 and D
- Cradle-to-grave and module D
- Cradle-to-gate
- Cradle-to-gate with options

CEN standard EN 15804 serves as the core PCR

Independent verification of the declaration and data, according to EN ISO 14025

internal external

Third party verifier:

David A Palm

David Althoff Palm, Dalemarken AB

Martha Sørensen

Martha Katrine Sørensen
EPD Danmark

Life cycle stages and modules (MND = module not declared)

Product			Construction process		Use								End of life				Beyond the system boundary
Raw material supply	Transport	Manufacturing	Transport	Installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction demolition	Transport	Waste processing	Disposal	Re-use, recovery and recycling potential	
																	A1
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Product information

Product description

A-Table Recrafted has a frame made of Noroto solid pine – surplus wood that would otherwise have been burned – with a central brace that can increase the width of the table series in a simple and elegant way. The tabletop is a Textile Tabletop from Kvadrat Really, made from upcycled discarded textiles.

The main product components are shown in the table below.

Product composition of	200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90
Material	Amount [kg]															
Kvadrat Really Textile Tabletop	39,66	39,66	49,43	49,43	45,61	45,61	56,84	56,84	58,69	58,69	73,15	73,15	83,28	83,28	103,79	103,79
Pine wood	15,45	16,63	16,05	17,25	15,45	16,63	16,05	17,25	16,60	18,37	17,50	19,30	27,14	28,91	28,04	29,84
Steel	0,90	0,90	0,90	0,90	0,90	0,90	0,90	0,90	1,51	1,51	1,51	1,51	1,57	1,57	1,57	1,57
Plastic	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,06	0,11	0,11	0,11	0,11	0,11	0,11	0,11	0,11
Sum	56,07	57,25	66,43	67,63	62,01	63,19	73,85	75,05	76,92	78,69	92,27	94,07	112,10	113,87	133,52	135,32
	Weight-% of declared product															
Kvadrat Really Textile Tabletop	70,73	69,28	74,40	73,08	73,54	72,17	76,97	75,74	76,31	74,59	79,28	77,76	74,29	73,14	77,74	76,71
Pine wood	27,55	29,05	24,16	25,50	24,91	26,31	21,73	22,98	21,58	23,34	18,96	20,51	24,21	25,39	21,00	22,05
Steel	1,60	1,57	1,35	1,33	1,45	1,42	1,21	1,20	1,97	1,92	1,64	1,61	1,40	1,38	1,18	1,16
Plastic	0,11	0,11	0,09	0,09	0,10	0,10	0,08	0,08	0,14	0,14	0,12	0,12	0,10	0,10	0,08	0,08

Product packaging:

The composition of the sales- and transport packaging of the product is shown in the table below.

Packaging composition of	200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90
Material	Amount [kg]															
Polypropylene	0,001															
Corrugated cardboard box	2,80															
MDF	0,03															
Steel	0,15															
LDPE	0,50															
EUR-pallet	22,00															
Pine	0,26															
Sum	25,75															
	Weight-% of packaging															
Polypropylene	0,00															
Corrugated cardboard box	10,87															
MDF	0,13															
Steel	0,59															
LDPE	1,94															
EUR-pallet	85,44															
Pine	1,03															

Representativity

This declaration, including data collection and the modeled foreground system including results, represents the production of the A-Table conference/meeting table series on the production site located in Bjerringbro, Denmark (and Vinderup, Denmark). Product specific data are based on average values collected in the period from February to May 2024. Background data are based on the Ecoinvent 3.10 EN 15804 database and are less than 10 years old. The majority of the datasets are only a couple of years old. The market this EPD is made for is Denmark, as the tables are produced, used and undergo end of life treatment in Denmark.

Hazardous substances

The A-Table conference/meeting table series does not contain substances listed on the "Candidate List of Substances of Very High Concern for authorisation"

(<http://echa.europa.eu/candidate-list-table>)

Product(s) use

The A-Table conference/meeting table series provide a level surface for conferences/meetings.

Essential characteristics

Further technical information can be obtained by contacting the manufacturer or on the manufacturer's website:

<https://www.holmrisb8.com>

Reference Service Life (RSL)

The RSL of the product is 15 years.

Picture of product(s)



LCA background

Functional unit

The LCI and LCIA results in this EPD relates to one A-Table table (16 variants).

FU: Production of one table solution provided and maintained for a period of 15 years.

	200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90		
Name	Value																Unit	
Functional unit	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	Item
Density	56,07	57,25	66,43	67,63	62,01	63,19	73,85	75,05	76,92	78,69	92,27	94,07	112,10	113,87	133,52	135,32	kg/item	
Conversion factor to 1 kg	0,018	0,017	0,015	0,015	0,016	0,016	0,014	0,013	0,013	0,013	0,011	0,011	0,009	0,009	0,007	0,007	-	

PCR

This EPD is developed according to the core rules for the product category of construction products in EN 15804, and NPCR 026:2022 – Part B for Furniture.

Energy modelling principles

Foreground system:

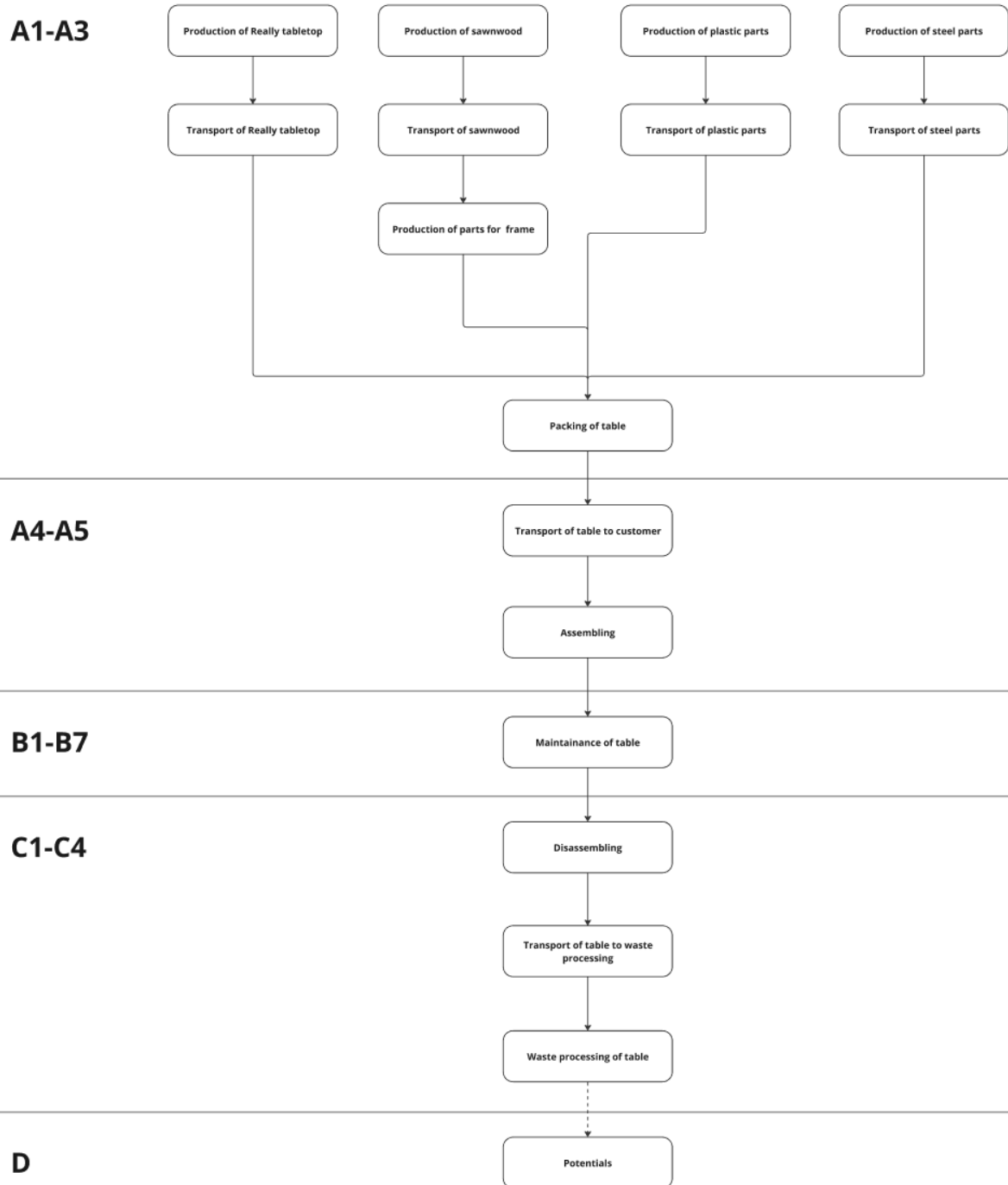
The product is produced using Danish residual electricity mix.

Danish residual electricity mix: 0,63 kg CO₂e/kWh

Background system:

Upstream processes are modelled using Danish residual electricity mix. Downstream processes are modelled using Danish market for electricity.

Flow diagram



System boundary

This EPD is based on a cradle-to-grave LCA, in which 100 weight-% has been accounted for.

The general rules for the exclusion of inputs and outputs follows the requirements in EN 15804, 6.3.5, where the total of neglected input flows per module shall be a maximum of 5 % of energy usage and mass and 1 % of energy usage and mass for unit processes.

Energy consumption in the production of pine wood parts is based on mass allocation.

Product stage (A1-A3) includes:

A1 – Extraction and processing of raw materials

A2 – Transport to the production site

A3 – Manufacturing processes

The product stage comprises the acquisition of all raw materials, products and energy, transport to the production site, packaging and waste processing up to the "end-of-waste" state.

The table frame is manufactured from pine wood from Sweden and Finland in Vinderup, Denmark, and the tabletop is produced in Thisted, Denmark. All parts (including prefabricated plastic and steel components) are transported to and packaged in Bjerringbro, Denmark.

Construction process stage (A4-A5) includes:

The construction phase includes transport from the factory gate to the customer, as well as installation in the form of product assembly. Additionally, the waste treatment of packaging from the products is also included in this phase.

Use stage (B1-B7) includes:

B2 – Maintenance

It is recommended by the manufacture that the tabletop is cleaned using a soft cloth and soap water, thus this is assumed.

B1 + B3-B7 are not relevant for the products as it is furniture.

End of Life (C1-C4) includes:

C1-C4 involves the handling of the products at the end-of-life stage by the end-customer.

C1 – Disassembling

It is assumed that the end-customer disassembles the product and sorts it as residual waste.

C2 – Transport to end-of-life treatment

This module includes the transport of the tables to the end-of-life treatment.

C3 – Waste processing

It is assumed that the tables are incinerated with heat and electricity recovery.

C4 – Disposal

Disposal of incineration residue is included in C3.

The energy recovery will be stated as a benefit to the product life cycle since it will substitute primary energy production.

Re-use, recovery and recycling potential (D) includes:

As it is assumed that the products are incinerated the module include the benefits of the energy recovery.

LCA results

A-Table 200x103x74

Core environmental impacts per A-Table 200x103x74														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,47E+01	6,80E+00	8,19E+00	5,18E+00	3,90E+01	0,00E+00	7,91E-01	0,00E+00	1,24E-03	4,43E-01	4,03E+01	0,00E+00	-1,48E+01
GWP-fossil	kg CO2 eq.	2,13E+01	6,79E+00	2,02E+00	5,18E+00	1,67E+00	0,00E+00	5,68E-01	0,00E+00	1,16E-03	4,42E-01	1,77E+01	0,00E+00	-1,46E+01
GWP-biogenic	kg CO2 eq.	-6,61E+01	6,28E-03	6,17E+00	3,59E-03	3,73E+01	0,00E+00	1,03E-04	0,00E+00	7,27E-05	3,06E-04	2,26E+01	0,00E+00	-2,52E-01
GWP-luluc	kg CO2 eq.	7,74E-02	2,91E-03	2,64E-04	1,72E-03	3,82E-05	0,00E+00	2,24E-01	0,00E+00	4,93E-06	1,47E-04	5,68E-04	0,00E+00	-1,76E-02
ODP	kg CFC 11 eq.	1,10E-06	1,37E-07	2,78E-08	1,03E-07	1,76E-09	0,00E+00	7,60E-07	0,00E+00	2,49E-11	8,79E-09	2,08E-07	0,00E+00	-5,31E-07
AP	mol H+ eq.	1,03E-01	1,96E-02	7,46E-03	1,08E-02	1,18E-03	0,00E+00	3,60E-03	0,00E+00	6,98E-06	9,21E-04	1,43E-02	0,00E+00	-3,19E-02
EP-freshwater	kg P eq.	9,02E-03	5,54E-04	8,47E-04	3,51E-04	2,41E-05	0,00E+00	1,51E-04	0,00E+00	8,54E-07	3,00E-05	1,45E-03	0,00E+00	-3,10E-03
EP-marine	kg N eq.	2,77E-02	1,66E-03	2,59E-03	2,59E-03	6,02E-04	0,00E+00	2,43E-03	0,00E+00	1,26E-06	2,21E-04	8,58E-03	0,00E+00	-7,30E-03
EP-terrestrial	mol N eq.	2,65E-01	6,46E-02	1,66E-02	2,79E-02	5,54E-03	0,00E+00	1,13E-02	0,00E+00	1,51E-05	2,39E-03	6,48E-02	0,00E+00	-8,35E-02
POCP	kg NMVOC eq.	9,18E-02	3,16E-02	4,84E-03	1,79E-02	1,40E-03	0,00E+00	2,55E-03	0,00E+00	3,78E-06	1,53E-03	1,66E-02	0,00E+00	-3,30E-02
ADPm	kg Sb eq.	2,62E-04	1,94E-05	1,48E-05	1,72E-05	3,77E-07	0,00E+00	5,65E-06	0,00E+00	3,66E-08	1,47E-06	5,41E-06	0,00E+00	-1,30E-04
ADPF	MJ	2,19E+02	9,97E+01	2,73E+01	7,28E+01	1,04E+00	0,00E+00	7,06E+00	0,00E+00	1,87E-02	6,22E+00	5,10E+00	0,00E+00	-2,32E+02
WDP(1)	m3 world eq. depr.	1,11E+01	5,52E-01	3,28E-01	3,56E-01	2,81E-01	0,00E+00	9,54E-01	0,00E+00	2,10E-03	3,04E-02	2,17E+00	0,00E+00	-7,52E+00

Caption GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use

Disclaimer (1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

Additional environmental impacts per A-Table 200x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	1,60E-06	6,05E-07	3,21E-08	3,81E-07	1,00E-08	0,00E+00	5,19E-08	0,00E+00	4,58E-11	3,26E-08	9,83E-01	0,00E+00	-2,03E-07
IRP (2)	[kBq U235 eq.]	2,49E+00	1,71E-01	2,44E-01	9,45E-02	2,11E-03	0,00E+00	3,08E-02	0,00E+00	4,15E-04	8,07E-03	2,84E-03	0,00E+00	-1,48E+00
ETP-fw (1)	[CTUe]	1,64E+02	2,54E+01	5,99E+00	1,98E+01	5,69E+00	0,00E+00	1,11E+01	0,00E+00	7,92E-03	1,69E+00	3,42E+00	0,00E+00	-3,60E+01
HTP-c (1)	[CTUh]	3,49E-07	4,64E-08	3,85E-09	3,67E-08	1,59E-09	0,00E+00	3,66E-09	0,00E+00	5,41E-12	3,14E-09	6,64E-02	0,00E+00	-3,52E-08
HTP-nc (1)	[CTUh]	8,70E-07	6,37E-08	3,39E-08	4,72E-08	1,38E-08	0,00E+00	1,46E-08	0,00E+00	3,89E-11	4,03E-09	1,28E+01	0,00E+00	-1,46E-07
SQP (1)	-	3,36E+03	9,13E+01	3,85E+00	4,40E+01	3,70E+01	0,00E+00	1,83E+01	0,00E+00	3,26E-02	3,76E+00	9,09E-01	0,00E+00	-1,14E+02

Caption PM = Particulate Matter emissions; SRP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality

Disclaimers (1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Resource use per A-Table 200x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	7,36E+02	2,05E+00	6,81E+01	1,25E+00	5,47E+01	0,00E+00	9,52E+00	0,00E+00	2,88E-02	1,07E-01	2,40E+02	0,00E+00	-9,93E+01
PERM	[MJ]	4,15E+02	0,00E+00	-6,55E-01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,94E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,15E+03	2,05E+00	2,66E+00	1,25E+00	2,88E-02	0,00E+00	9,52E+00	0,00E+00	2,88E-02	1,07E-01	4,20E-01	0,00E+00	-9,93E+01
PENRE	[MJ]	2,31E+02	9,06E+01	2,61E+01	6,60E+01	2,15E+01	0,00E+00	9,13E+00	0,00E+00	1,83E-02	5,64E+00	6,11E+00	0,00E+00	-2,20E+02
PENRM	[MJ]	1,54E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,32E+02	0,00E+00	0,00E+00
PENRT	[MJ]	3,84E+02	9,06E+01	2,61E+01	6,60E+01	1,83E-02	0,00E+00	9,13E+00	0,00E+00	1,83E-02	5,64E+00	1,69E+01	0,00E+00	-2,20E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	1,46E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	3,09E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,46E-01	1,59E-02	4,35E-02	9,78E-03	3,86E-03	0,00E+00	3,83E-02	0,00E+00	6,84E-05	8,36E-04	4,20E-02	0,00E+00	-2,43E-01

Caption PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water

Waste categories and output flows per A-Table 200x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	2,12E+01	1,11E-01	4,72E-02	7,22E-02	6,40E-02	0,00E+00	5,48E-02	0,00E+00	3,57E-05	6,17E-03	1,56E+00	0,00E+00	-1,81E-01
NHWD	[kg]	4,18E+01	1,05E+00	4,54E+00	8,00E-01	4,88E+00	0,00E+00	1,28E+00	0,00E+00	3,82E-04	6,84E-02	5,14E+01	0,00E+00	-1,83E+00
RWD	[kg]	1,27E-02	4,28E-05	5,99E-05	2,35E-05	5,24E-07	0,00E+00	7,76E-06	0,00E+00	9,45E-08	2,01E-06	3,86E-04	0,00E+00	-3,38E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	4,91E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,88E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	7,35E+00	0,00E+00	1,01E+01	0,00E+00	1,87E-01	0,00E+00	0,00E+00	0,00E+00	2,99E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,48E+01	0,00E+00	2,01E+01	0,00E+00	3,65E-01	0,00E+00	0,00E+00	0,00E+00	6,03E+01	0,00E+00	0,00E+00

Caption HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy

A-Table 200x103x90

Core environmental impacts per A-Table 200x103x90														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,66E+01	7,16E+00	8,73E+00	5,26E+00	3,90E+01	0,00E+00	7,91E-01	0,00E+00	1,24E-03	4,52E-01	4,20E+01	0,00E+00	-1,52E+01
GWP-fossil	kg CO2 eq.	2,14E+01	7,15E+00	2,17E+00	5,25E+00	1,67E+00	0,00E+00	5,68E-01	0,00E+00	1,16E-03	4,52E-01	1,77E+01	0,00E+00	-1,49E+01
GWP-biogenic	kg CO2 eq.	-6,82E+01	6,48E-03	6,55E+00	3,64E-03	3,73E+01	0,00E+00	1,03E-04	0,00E+00	7,27E-05	3,13E-04	2,43E+01	0,00E+00	-2,58E-01
GWP-luluc	kg CO2 eq.	7,94E-02	3,03E-03	2,84E-04	1,74E-03	3,82E-05	0,00E+00	2,24E-01	0,00E+00	4,93E-06	1,50E-04	5,73E-04	0,00E+00	-1,80E-02
ODP	kg CFC 11 eq.	1,10E-06	1,45E-07	2,99E-08	1,04E-07	1,76E-09	0,00E+00	7,60E-07	0,00E+00	2,49E-11	8,98E-09	2,08E-07	0,00E+00	-5,44E-07
AP	mol H+ eq.	1,04E-01	2,05E-02	8,02E-03	1,09E-02	1,18E-03	0,00E+00	3,60E-03	0,00E+00	6,98E-06	9,41E-04	1,45E-02	0,00E+00	-3,27E-02
EP-freshwater	kg P eq.	9,09E-03	5,79E-04	9,12E-04	3,56E-04	2,41E-05	0,00E+00	1,51E-04	0,00E+00	8,54E-07	3,06E-05	1,45E-03	0,00E+00	-3,17E-03
EP-marine	kg N eq.	2,81E-02	6,19E-03	1,78E-03	2,63E-03	6,02E-04	0,00E+00	2,43E-03	0,00E+00	1,26E-06	2,26E-04	8,68E-03	0,00E+00	-7,47E-03
EP-terrestrial	mol N eq.	2,68E-01	6,70E-02	1,78E-02	2,83E-02	5,54E-03	0,00E+00	1,13E-02	0,00E+00	1,51E-05	2,44E-03	6,58E-02	0,00E+00	-8,54E-02
POCP	kg NMVOC eq.	9,34E-02	3,31E-02	5,20E-03	1,82E-02	1,40E-03	0,00E+00	2,55E-03	0,00E+00	3,78E-06	1,56E-03	1,69E-02	0,00E+00	-3,38E-02
ADPm	kg Sb eq.	2,62E-04	2,05E-05	1,60E-05	1,75E-05	3,77E-07	0,00E+00	5,65E-06	0,00E+00	3,66E-08	1,51E-06	5,45E-06	0,00E+00	-1,32E-04
ADP	MJ	2,21E+02	1,05E+02	2,94E+01	7,39E+01	1,04E+00	0,00E+00	7,06E+00	0,00E+00	1,87E-02	6,35E+00	5,26E+00	0,00E+00	-2,38E+02
WDP(1)	m3 world eq. depr.	1,12E+01	5,79E-01	3,52E-01	3,61E-01	2,81E-01	0,00E+00	9,54E-01	0,00E+00	2,10E-03	3,11E-02	2,20E+00	0,00E+00	-7,69E+00
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.													

Additional environmental impacts per A-Table 200x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
[Disease incidence]		1,64E-06	6,40E-07	3,44E-08	3,87E-07	1,00E-08	0,00E+00	5,19E-08	0,00E+00	4,58E-11	3,33E-08	9,83E-01	0,00E+00	-2,08E-07
IPM (2)	[kBq U235 eq.]	2,51E+00	1,78E-01	2,62E-01	9,58E-02	2,11E-03	0,00E+00	3,08E-02	0,00E+00	4,15E-04	8,24E-03	3,02E-03	0,00E+00	-1,51E+00
ETP-fw (1)	[CTUe]	1,65E+02	2,67E+01	6,43E+00	2,01E+01	5,69E+00	0,00E+00	1,11E+01	0,00E+00	7,92E-03	1,73E+00	3,64E+00	0,00E+00	-3,69E+01
HTP-c (1)	[CTUh]	3,50E-07	4,88E-08	4,13E-09	3,73E-08	1,59E-09	0,00E+00	3,66E-09	0,00E+00	5,41E-12	3,21E-09	6,64E-02	0,00E+00	-3,60E-08
HTP-nc (1)	[CTUh]	8,72E-07	3,63E-08	4,78E-08	1,38E-08	1,46E-08	0,00E+00	1,46E-08	0,00E+00	3,89E-11	4,11E-09	1,28E+01	0,00E+00	-1,49E-07
SQP (1)		3,58E+03	4,15E+00	4,46E+01	3,70E-01	0,00E+00	0,00E+00	1,83E-01	0,00E+00	3,26E-02	3,84E+00	9,54E-01	0,00E+00	-1,17E+02
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 200x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	7,77E+02	2,14E+00	7,24E+01	1,27E+00	5,47E+01	0,00E+00	9,52E+00	0,00E+00	2,88E-02	1,09E-01	2,58E+02	0,00E+00	-1,02E+02
PERM	[MJ]	4,37E+02	0,00E+00	-6,95E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,13E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,21E+03	2,14E+00	2,86E+00	1,27E+00	2,88E-02	0,00E+00	9,52E+00	0,00E+00	2,88E-02	1,09E-01	4,20E-01	0,00E+00	-1,02E+02
PENRE	[MJ]	2,33E+02	9,55E+01	2,81E+01	6,70E+01	2,15E+01	0,00E+00	9,13E+00	0,00E+00	1,83E-02	5,76E+00	6,11E+00	0,00E+00	-2,25E+02
PENRM	[MJ]	1,54E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,32E+02	0,00E+00	0,00E+00
PENRT	[MJ]	3,86E+02	9,55E+01	2,81E+01	6,70E+01	1,83E-02	0,00E+00	9,13E+00	0,00E+00	1,83E-02	5,76E+00	1,69E+01	0,00E+00	-2,25E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	1,46E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	3,09E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,47E-01	1,67E-02	4,69E-02	9,93E-03	3,86E-03	0,00E+00	3,83E-02	0,00E+00	6,84E-05	8,54E-04	4,22E-02	0,00E+00	-2,49E-01
Disclaimer	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 200x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	2,12E+01	1,10E-01	5,05E-02	7,33E-02	6,40E-02	0,00E+00	5,48E-02	0,00E+00	3,57E-05	6,30E-03	1,57E+00	0,00E+00	-1,85E-01
NHWD	[kg]	4,19E+01	1,10E+00	4,82E+00	8,12E-01	4,88E+00	0,00E+00	1,28E+00	0,00E+00	3,82E-04	6,98E-02	5,26E+01	0,00E+00	-1,88E+00
RWD	[kg]	1,27E-02	4,45E-05	6,45E-05	2,38E-05	5,24E-07	0,00E+00	7,76E-06	0,00E+00	9,45E-08	2,05E-06	3,86E-04	0,00E+00	-3,45E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	4,91E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,88E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	7,81E+00	0,00E+00	1,01E+01	0,00E+00	1,87E-01	0,00E+00	0,00E+00	0,00E+00	3,20E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,57E+01	0,00E+00	2,01E+01	0,00E+00	3,65E-01	0,00E+00	0,00E+00	0,00E+00	6,45E+01	0,00E+00	0,00E+00
Disclaimer	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 200x128x74

Core environmental impacts per A-Table 200x128x74														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,32E+01	7,19E+00	8,47E+00	5,84E+00	3,90E+01	0,00E+00	9,86E-01	0,00E+00	1,24E-03	5,25E-01	4,54E+01	0,00E+00	-1,72E+01
GWP-fossil	kg CO2 eq.	2,39E+01	7,18E+00	2,10E+00	5,83E+00	1,67E+00	0,00E+00	7,07E-01	0,00E+00	1,16E-03	5,24E-01	2,19E+01	0,00E+00	-1,69E+01
GWP-biogenic	kg CO2 eq.	-6,71E+01	6,53E-03	6,37E+00	4,04E-03	3,73E+01	0,00E+00	1,29E-04	0,00E+00	7,27E-05	3,63E-04	2,35E+01	0,00E+00	-2,92E-01
GWP-luluc	kg CO2 eq.	8,23E-02	3,04E-03	2,75E-04	1,94E-03	3,82E-05	0,00E+00	2,79E-01	0,00E+00	4,93E-06	1,74E-04	6,94E-04	0,00E+00	-2,04E-02
ODP	kg CFC 11 eq.	1,32E-06	1,45E-07	2,89E-08	1,16E-07	1,76E-09	0,00E+00	9,48E-07	0,00E+00	2,49E-11	1,04E-08	2,59E-07	0,00E+00	-6,16E-07
AP	mol H+ eq.	1,17E-01	2,05E-02	7,75E-03	1,21E-02	1,18E-03	0,00E+00	4,49E-03	0,00E+00	6,98E-06	1,09E-03	1,73E-02	0,00E+00	-3,70E-02
EP-freshwater	kg P eq.	1,01E-02	5,81E-04	8,80E-04	3,95E-04	2,41E-05	0,00E+00	1,88E-04	0,00E+00	8,54E-07	3,55E-05	1,78E-03	0,00E+00	-3,59E-03
EP-marine	kg N eq.	3,08E-02	6,18E-03	1,72E-03	2,92E-03	6,02E-04	0,00E+00	3,02E-03	0,00E+00	1,26E-06	2,62E-04	1,04E-02	0,00E+00	-8,46E-03
EP-terrestrial	mol N eq.	2,94E-01	6,70E-02	1,73E-02	3,15E-02	5,54E-03	0,00E+00	1,40E-02	0,00E+00	1,51E-05	2,83E-03	7,80E-02	0,00E+00	-9,68E-02
POCP	kg NMVOC eq.	1,01E-01	3,31E-02	5,02E-03	2,02E-02	1,40E-03	0,00E+00	3,18E-03	0,00E+00	3,78E-06	1,81E-03	2,00E-02	0,00E+00	-3,83E-02
ADPm	kg Sb eq.	3,12E-04	2,07E-05	1,54E-05	1,94E-05	3,77E-07	0,00E+00	7,04E-06	0,00E+00	3,66E-08	1,75E-06	6,62E-06	0,00E+00	-1,50E-04
ADP	MJ	2,31E+02	1,05E+02	2,84E+01	8,20E+01	1,04E+00	0,00E+00	8,80E+00	0,00E+00	1,87E-02	7,37E+00	5,85E+00	0,00E+00	-2,69E+02
WDP(1)	m3 world eq. depr.	1,24E+01	5,81E-01	3,40E-01	4,01E-01	2,81E-01	0,00E+00	1,19E+00	0,00E+00	2,10E-03	3,60E-02	2,59E+00	0,00E+00	-8,71E+00
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.													

Additional environmental impacts per A-Table 200x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	1,73E-06	6,39E-07	3,33E-08	4,30E-07	1,00E-08	0,00E+00	6,47E-08	0,00E+00	4,58E-11	3,86E-08	1,22E+00	0,00E+00	-2,35E-07
IRP (2)	[kBq U235 eq.]	2,80E+00	1,78E-01	2,53E-01	1,06E-01	2,11E-03	0,00E+00	3,83E-02	0,00E+00	4,15E-04	9,56E-03	2,93E-03	0,00E+00	-1,71E+00
ETP-fw (1)	[CTUe]	1,66E+02	2,69E+01	6,21E+00	2,23E+01	5,69E+00	0,00E+00	1,38E+01	0,00E+00	7,92E-03	2,01E+00	3,53E+00	0,00E+00	-4,18E+01
HTP-c (1)	[CTUh]	3,53E-07	4,91E-08	3,99E-09	4,14E-08	1,59E-09	0,00E+00	4,56E-09	0,00E+00	5,41E-12	3,72E-09	8,27E-02	0,00E+00	-4,08E-08
HTP-nc (1)	[CTUh]	1,05E-06	6,75E-08	3,51E-08	5,31E-08	1,38E-08	0,00E+00	1,02E-08	0,00E+00	3,89E-11	4,78E-09	1,60E+01	0,00E+00	-1,69E-07
SQP (1)	-	3,48E+03	9,58E+01	4,00E+00	4,96E+01	3,70E-01	0,00E+00	2,28E+01	0,00E+00	3,26E-02	4,45E+00	9,32E-01	0,00E+00	-1,32E+02
Caption		PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-Fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality												
Disclaimers		(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.												

Resource use per A-Table 200x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	7,85E+02	2,15E+00	7,03E+01	1,41E+00	5,47E+01	0,00E+00	1,19E+01	0,00E+00	2,88E-02	1,27E-01	2,49E+02	0,00E+00	-1,15E+02
PERM	[MJ]	4,40E+02	0,00E+00	-6,76E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,17E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,22E+03	2,15E+00	2,76E+00	1,41E+00	2,88E-02	0,00E+00	1,19E+01	0,00E+00	2,88E-02	1,27E-01	5,24E-01	0,00E+00	-1,15E+02
PENRE	[MJ]	2,48E+02	9,58E+01	2,71E+01	7,44E+01	2,15E+01	0,00E+00	1,14E+01	0,00E+00	1,83E-02	6,69E+00	6,90E+00	0,00E+00	-2,55E+02
PENRM	[MJ]	1,86E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,64E+02	0,00E+00	0,00E+00
PENRT	[MJ]	4,33E+02	9,58E+01	2,71E+01	7,44E+01	1,83E-02	0,00E+00	1,14E+01	0,00E+00	1,83E-02	6,69E+00	2,11E+01	0,00E+00	-2,55E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	1,82E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	3,85E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,76E-01	1,67E-02	4,52E-02	1,10E-02	3,86E-03	0,00E+00	4,78E-02	0,00E+00	6,84E-05	9,91E-04	5,16E-02	0,00E+00	-2,82E-01
Caption		PERE = Use of renewable primary energy, excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy, excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water												

Waste categories and output flows per A-Table 200x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	2,61E+01	1,16E-01	4,89E-02	8,14E-02	6,40E-02	0,00E+00	6,83E-02	0,00E+00	3,57E-05	7,32E-03	1,93E+00	0,00E+00	-2,09E-01
NHWD	[kg]	4,41E+01	1,11E+00	4,69E+00	9,02E-01	4,88E+00	0,00E+00	1,60E+00	0,00E+00	3,82E-04	8,10E-02	6,04E+01	0,00E+00	-2,13E+00
RWD	[kg]	1,58E-02	4,46E-05	6,22E-05	2,64E-05	5,24E-07	0,00E+00	9,67E-06	0,00E+00	9,45E-08	2,38E-06	4,81E-04	0,00E+00	-3,91E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	6,12E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,83E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	7,59E+00	0,00E+00	1,01E+01	0,00E+00	2,33E-01	0,00E+00	0,00E+00	0,00E+00	3,17E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,53E+01	0,00E+00	2,01E+01	0,00E+00	4,55E-01	0,00E+00	0,00E+00	0,00E+00	6,39E+01	0,00E+00	0,00E+00
Caption		HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy												

A-Table 200x128x90

Core environmental impacts per A-Table 200x128x90														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,52E+01	7,57E+00	9,07E+00	5,91E+00	3,90E+01	0,00E+00	9,86E-01	0,00E+00	1,24E-03	5,34E-01	4,72E+01	0,00E+00	-1,75E+01
GWP-fossil	kg CO2 eq.	2,40E+01	7,56E+00	2,25E+00	5,91E+00	1,67E+00	0,00E+00	7,07E-01	0,00E+00	1,16E-03	5,34E-01	2,20E+01	0,00E+00	-1,72E+01
GWP-biogenic	kg CO2 eq.	-6,92E+01	6,73E-03	6,82E+00	4,09E-03	3,72E+01	0,00E+00	1,29E-04	0,00E+00	7,27E-05	3,70E-04	2,52E+01	0,00E+00	-2,98E-01
GWP-land use	kg CO2 eq.	8,44E-02	3,17E-03	2,95E-04	1,96E-03	3,82E-05	0,00E+00	2,79E-01	0,00E+00	4,93E-06	1,77E-04	6,99E-04	0,00E+00	-2,08E-02
ODP	kg CFC 11 eq.	1,32E-06	1,53E-07	3,10E-08	1,17E-07	1,76E-09	0,00E+00	9,48E-07	0,00E+00	2,49E-11	1,06E-08	2,59E-07	0,00E+00	-6,27E-07
AP	mol H+ eq.	1,18E-01	2,14E-02	8,32E-03	1,23E-02	1,18E-03	0,00E+00	4,49E-03	0,00E+00	6,98E-06	1,11E-03	1,75E-02	0,00E+00	-3,77E-02
EP-freshwater	kg P eq.	1,01E-02	6,07E-04	9,46E-04	4,00E-04	2,41E-05	0,00E+00	1,88E-04	0,00E+00	8,54E-07	3,62E-05	1,79E-03	0,00E+00	-3,66E-03
EP-marine	kg N eq.	3,11E-02	6,41E-03	1,84E-03	2,96E-03	6,02E-04	0,00E+00	3,02E-03	0,00E+00	1,26E-06	2,67E-04	1,05E-02	0,00E+00	-8,62E-03
EP-terrestrial	mol N eq.	2,98E-01	6,95E-02	1,85E-02	3,19E-02	5,54E-03	0,00E+00	1,40E-02	0,00E+00	1,51E-05	2,88E-03	7,90E-02	0,00E+00	-9,86E-02
POCP	kg NMVOC eq.	1,02E-01	3,46E-02	5,39E-03	2,05E-02	1,40E-03	0,00E+00	3,18E-03	0,00E+00	3,78E-06	1,89E-03	2,03E-02	0,00E+00	-3,90E-02
ADPm	kg Sb eq.	3,12E-04	2,17E-05	1,66E-05	1,97E-05	3,77E-07	0,00E+00	7,04E-06	0,00E+00	3,66E-08	1,78E-06	6,66E-06	0,00E+00	-1,53E-04
ADFP	MJ	2,32E+02	1,11E+02	3,05E+01	8,31E+01	1,04E+00	0,00E+00	8,80E+00	0,00E+00	1,87E-02	7,51E+00	6,01E+00	0,00E+00	-2,74E+02
WDP(1)	m3 world eq. dep.	1,24E+01	6,09E-01	3,65E-01	4,06E-01	2,81E-01	0,00E+00	1,19E+00	0,00E+00	2,10E-03	3,67E-02	2,63E+00	0,00E+00	-8,88E+00
Caption		GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-land use = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADFP = Abiotic Depletion Potential - fossil fuels; WDP = water use												
Disclaimer		(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.												

Additional environmental impacts per A-Table 200x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	1,78E-06	6,75E-07	3,57E-08	4,35E-07	1,00E-08	0,00E+00	6,47E-08	0,00E+00	4,58E-11	3,93E-08	1,22E+00	0,00E+00	-2,40E-07
IRP (2)	[kBq U235 eq.]	2,83E+00	1,85E-01	2,72E-01	1,08E-01	2,11E-03	0,00E+00	3,83E-02	0,00E+00	4,15E-04	9,74E-03	3,12E-03	0,00E+00	-1,75E+00
ETP-fw (1)	[CTUe]	1,66E+02	2,82E+01	6,67E+00	2,26E+01	5,69E+00	0,00E+00	1,38E+01	0,00E+00	7,92E-03	2,04E+00	3,75E+00	0,00E+00	-4,26E+01
HTP-c (1)	[CTUh]	3,54E-07	5,15E-08	4,28E-09	4,19E-08	1,59E-09	0,00E+00	4,56E-09	0,00E+00	5,41E-12	3,79E-09	8,27E-02	0,00E+00	-4,16E-08
HTP-nc (1)	[CTUh]	1,05E-06	7,12E-08	3,77E-08	5,38E-08	1,38E-08	0,00E+00	1,02E-08	0,00E+00	3,89E-11	4,86E-09	1,60E+01	0,00E+00	-1,73E-07
SQP (1)	-	3,71E+03	1,01E+02	4,30E+00	5,02E+01	3,70E-01	0,00E+00	2,28E+01	0,00E+00	3,26E-02	4,53E+00	9,78E-01	0,00E+00	-1,35E+02
Caption		PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-Fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality												
Disclaimers		(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.												

Resource use per A-Table 200x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	8,28E+02	2,24E+00	7,53E+01	1,43E+00	5,47E+01	0,00E+00	1,19E+01	0,00E+00	2,88E-02	1,29E-01	2,68E+02	0,00E+00	-1,17E+02
PERM	[MJ]	4,63E+02	0,00E+00	-7,23E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,36E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,29E+03	2,24E+00	2,97E+00	1,43E+00	2,88E-02	0,00E+00	1,19E+01	0,00E+00	2,88E-02	1,29E-01	5,24E+01	0,00E+00	-1,17E+02
PENRE	[MJ]	2,50E+02	1,01E+02	2,92E+01	7,54E+01	2,15E+01	0,00E+00	1,14E+01	0,00E+00	1,83E-02	6,81E+00	6,90E+00	0,00E+00	-2,60E+02
PENRM	[MJ]	1,86E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,64E+02	0,00E+00	0,00E+00
PENRT	[MJ]	4,35E+02	1,01E+02	2,92E+01	7,54E+01	1,83E-02	0,00E+00	1,14E+01	0,00E+00	1,83E-02	6,81E+00	2,11E+01	0,00E+00	-2,60E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	1,82E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	3,85E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	2,77E-01	1,75E-02	4,86E-02	1,12E-02	3,86E-03	0,00E+00	4,78E-02	0,00E+00	6,84E-05	1,01E-03	5,19E-02	0,00E+00	-2,87E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 200x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	2,61E+01	1,22E-01	5,24E-02	8,25E-02	6,40E-02	0,00E+00	6,83E-02	0,00E+00	3,57E-05	7,45E-03	1,94E+00	0,00E+00	-2,13E-01
NHWD	[kg]	4,42E+01	1,16E+00	5,02E+00	9,13E-01	4,88E+00	0,00E+00	1,60E+00	0,00E+00	3,82E-04	8,25E-02	6,16E+01	0,00E+00	-2,17E+00
RWD	[kg]	1,58E-02	4,63E-05	6,69E-05	2,68E-05	5,24E-07	0,00E+00	9,67E-06	0,00E+00	9,45E-08	2,42E-06	4,81E-04	0,00E+00	-3,99E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	6,12E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,83E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	8,12E+00	0,00E+00	1,01E+01	0,00E+00	2,33E-01	0,00E+00	0,00E+00	0,00E+00	3,38E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,63E+01	0,00E+00	2,01E+01	0,00E+00	4,55E-01	0,00E+00	0,00E+00	0,00E+00	6,81E+01	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 230x103x74

Core environmental impacts per A-Table 230x103x74														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,32E+01	6,92E+00	8,19E+00	5,56E+00	3,90E+01	0,00E+00	9,10E-01	0,00E+00	1,24E-03	4,90E-01	4,29E+01	0,00E+00	-1,62E+01
GWP-fossil	kg CO2 eq.	2,28E+01	6,91E+00	2,02E+00	5,55E+00	1,67E+00	0,00E+00	6,53E-01	0,00E+00	1,16E-03	4,89E-01	2,03E+01	0,00E+00	-1,59E+01
GWP-biogenic	kg CO2 eq.	-6,61E+01	6,37E-03	6,17E+00	3,85E-03	3,73E+01	0,00E+00	1,19E-04	0,00E+00	7,27E-05	3,39E-04	2,26E+01	0,00E+00	-2,75E-01
GWP-luluc	kg CO2 eq.	7,97E-02	2,95E-03	2,64E-04	1,84E-03	3,82E-05	0,00E+00	2,57E-01	0,00E+00	4,93E-06	1,62E-04	6,43E-04	0,00E+00	-1,92E-02
ODP	kg CFC 11 eq.	1,23E-06	1,40E-07	2,78E-08	1,10E-07	1,76E-09	0,00E+00	8,74E-07	0,00E+00	2,49E-11	9,73E-09	2,39E-07	0,00E+00	-5,79E-07
AP	mol H+ eq.	1,11E-01	1,99E-02	7,46E-03	1,16E-02	1,18E-03	0,00E+00	4,14E-03	0,00E+00	6,98E-06	1,02E-03	1,60E-02	0,00E+00	-3,48E-02
EP-freshwater	kg P eq.	9,64E-03	5,62E-04	8,47E-04	3,78E-04	2,41E-05	0,00E+00	1,73E-04	0,00E+00	8,54E-07	3,31E-05	1,65E-03	0,00E+00	-3,38E-03
EP-marine	kg N eq.	2,95E-02	6,03E-03	1,66E-03	2,78E-03	6,02E-04	0,00E+00	2,79E-03	0,00E+00	1,26E-06	2,45E-04	9,66E-03	0,00E+00	-7,99E-03
EP-terrestrial	mol N eq.	2,81E-01	6,53E-02	1,66E-02	3,00E-02	5,54E-03	0,00E+00	1,30E-02	0,00E+00	1,51E-05	2,64E-03	7,25E-02	0,00E+00	-9,10E-02
POCP	kg NMVOC eq.	9,66E-02	3,21E-02	4,84E-03	1,92E-02	1,40E-03	0,00E+00	2,94E-03	0,00E+00	3,78E-06	1,69E-03	1,86E-02	0,00E+00	-3,60E-02
ADPm	kg Sb eq.	2,92E-04	1,98E-05	1,48E-05	1,85E-05	3,77E-07	0,00E+00	6,50E-06	0,00E+00	3,66E-08	1,63E-06	6,14E-06	0,00E+00	-1,41E-04
ADPF	MJ	2,26E+02	1,02E+02	2,73E+01	7,81E+01	1,04E+00	0,00E+00	8,12E+00	0,00E+00	1,87E-02	6,88E+00	5,50E+00	0,00E+00	-2,53E+02
WDP(1)	m ³ world eq. depr	1,19E+01	5,61E-01	3,28E-01	3,82E-01	2,81E-01	0,00E+00	1,10E+00	0,00E+00	2,10E-03	3,37E-02	2,41E+00	0,00E+00	-8,19E+00
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.													

Additional environmental impacts per A-Table 230x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	1,66E-06	6,15E-07	3,21E-08	4,09E-07	1,00E-08	0,00E+00	5,97E-08	0,00E+00	4,58E-11	3,60E-08	1,13E+00	0,00E+00	-2,21E-07
IRP (2)	[kBq U235 eq.]	2,67E+00	1,74E-01	2,44E-01	1,01E-01	2,11E-03	0,00E+00	3,54E-02	0,00E+00	4,15E-04	8,93E-03	2,84E-03	0,00E+00	-1,61E+00
ETP-fw (1)	[CTUe]	1,65E+02	2,59E+01	5,99E+00	2,13E+01	5,69E+00	0,00E+00	1,27E+01	0,00E+00	7,92E-03	1,87E+00	3,42E+00	0,00E+00	-3,93E+01
HTP-c (1)	[CTUh]	3,51E-07	4,73E-08	3,85E-09	3,94E-08	1,59E-09	0,00E+00	4,21E-09	0,00E+00	5,41E-12	3,47E-09	7,63E-02	0,00E+00	-3,84E-08
HTP-nc (1)	[CTUh]	9,76E-07	6,49E-08	3,39E-08	5,06E-08	1,38E-08	0,00E+00	1,68E-08	0,00E+00	3,89E-11	4,46E-09	1,48E+01	0,00E+00	-1,59E-07
SQP (1)	-	3,36E+03	9,24E+01	3,85E+00	4,72E+01	3,70E-01	0,00E+00	2,10E+01	0,00E+00	3,26E-02	4,16E+00	9,09E-01	0,00E+00	-1,24E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of the environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the potential impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 230x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	7,53E+02	2,09E+00	6,81E+01	1,34E+00	5,47E+01	0,00E+00	1,10E+01	0,00E+00	2,88E-02	1,18E-01	2,40E+02	0,00E+00	-1,08E+02
PERM	[MJ]	4,23E+02	0,00E+00	-5,55E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,03E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,18E+03	2,09E+00	2,66E+00	1,34E+00	2,88E-02	0,00E+00	1,10E+01	0,00E+00	2,88E-02	1,18E-01	4,83E-01	0,00E+00	-1,08E+02
PENRE	[MJ]	2,40E+02	9,23E+01	2,61E+01	7,08E+01	2,15E+01	0,00E+00	1,05E+01	0,00E+00	1,83E-02	6,24E+00	6,59E+00	0,00E+00	-2,40E+02
PENRM	[MJ]	1,73E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,52E+02	0,00E+00	0,00E+00
PENRT	[MJ]	4,13E+02	9,23E+01	2,61E+01	7,08E+01	1,83E-02	0,00E+00	1,05E+01	0,00E+00	1,83E-02	6,24E+00	1,94E+01	0,00E+00	-2,40E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	1,68E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	3,55E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	2,64E-01	1,61E-02	4,35E-02	1,05E-02	3,86E-03	0,00E+00	4,41E-02	0,00E+00	6,84E-05	9,25E-04	4,78E-02	0,00E+00	-2,65E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 230x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	2,42E+01	1,12E-01	4,72E-02	7,75E-02	6,40E-02	0,00E+00	6,30E-02	0,00E+00	3,57E-05	6,83E-03	1,78E+00	0,00E+00	-1,97E-01
NHWD	[kg]	4,32E+01	1,07E+00	4,54E+00	8,58E-01	4,88E+00	0,00E+00	1,47E+00	0,00E+00	3,82E-04	7,56E-02	5,65E+01	0,00E+00	-2,00E+00
RWD	[kg]	1,46E-02	4,34E-05	5,99E-05	2,52E-05	5,24E-07	0,00E+00	8,93E-06	0,00E+00	9,45E-08	2,22E-06	4,44E-04	0,00E+00	-3,68E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	5,65E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,46E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	7,35E+00	0,00E+00	1,01E+01	0,00E+00	2,15E-01	0,00E+00	0,00E+00	0,00E+00	3,04E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,48E+01	0,00E+00	2,01E+01	0,00E+00	4,20E-01	0,00E+00	0,00E+00	0,00E+00	6,12E+01	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 230x103x90

Core environmental impacts per A-Table 230x103x90														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,51E+01	7,29E+00	8,73E+00	5,63E+00	3,90E+01	0,00E+00	9,10E-01	0,00E+00	1,24E-03	4,99E-01	4,46E+01	0,00E+00	-1,65E+01
GWP-fossil	kg CO2 eq.	2,30E+01	7,28E+00	2,17E+00	5,63E+00	1,67E+00	0,00E+00	6,53E-01	0,00E+00	1,16E-03	4,99E-01	2,03E+01	0,00E+00	-1,62E+01
GWP-biogenic	kg CO2 eq.	-6,82E+01	6,56E-03	6,55E+00	3,90E-03	3,73E+01	0,00E+00	1,19E-04	0,00E+00	7,27E-05	3,45E-04	2,43E+01	0,00E+00	-2,80E-01
GWP-luluc	kg CO2 eq.	8,18E-02	3,07E-03	2,84E-04	1,87E-03	3,82E-05	0,00E+00	2,57E-01	0,00E+00	4,93E-06	1,66E-04	6,48E-04	0,00E+00	-1,96E-02
ODP	kg CFC 11 eq.	1,23E-06	1,47E-07	2,99E-08	1,12E-07	1,76E-09	0,00E+00	8,74E-07	0,00E+00	2,49E-11	9,91E-09	2,39E-07	0,00E+00	-5,90E-07
AP	mol H+ eq.	1,12E-01	2,07E-02	8,02E-03	1,17E-02	1,18E-03	0,00E+00	4,14E-03	0,00E+00	6,98E-06	1,04E-03	1,62E-02	0,00E+00	-3,55E-02
EP-freshwater	kg P eq.	9,71E-03	5,88E-04	9,12E-04	3,81E-04	2,41E-05	0,00E+00	1,73E-04	0,00E+00	8,54E-07	3,38E-05	1,65E-03	0,00E+00	-3,44E-03
EP-marine	kg N eq.	2,98E-02	6,25E-03	1,78E-03	2,82E-03	6,02E-04	0,00E+00	2,79E-03	0,00E+00	1,26E-06	2,50E-04	9,76E-03	0,00E+00	-8,11E-03
EP-terrestrial	mol N eq.	2,85E-01	6,77E-02	1,78E-02	3,04E-02	5,94E-03	0,00E+00	1,30E-02	0,00E+00	1,51E-05	2,69E-03	7,35E-02	0,00E+00	-9,28E-02
POCP	kg NMVOC eq.	9,82E-02	3,35E-02	5,20E-03	1,95E-02	1,40E-03	0,00E+00	2,94E-03	0,00E+00	3,78E-06	1,73E-03	1,89E-02	0,00E+00	-3,67E-02
ADPm	kg Sb eq.	2,93E-04	2,09E-05	1,60E-05	1,88E-05	3,77E-07	0,00E+00	6,50E-06	0,00E+00	3,66E-08	1,66E-06	6,18E-06	0,00E+00	-1,44E-04
ADPF	mJ	2,28E+02	1,07E+02	2,94E+01	7,92E+01	1,04E+00	0,00E+00	8,12E+00	0,00E+00	1,87E-02	7,01E+00	5,67E+00	0,00E+00	-2,58E+02
WDPI(1)	M3 world eq. dep.	1,19E+01	5,88E-01	3,52E-01	3,87E-01	2,81E-01	0,00E+00	1,10E+00	0,00E+00	2,10E-03	3,43E-02	2,45E+00	0,00E+00	-8,36E+00
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.													

Additional environmental impacts per A-Table 230x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
[Disease incidence]		1,71E-06	6,50E-07	3,44E-08	4,14E-07	1,00E-08	0,00E+00	5,97E-08	0,00E+00	4,58E-11	3,67E-08	1,13E+00	0,00E+00	-2,26E-07
PM	[kg U235 eq.]	2,70E+00	1,80E-01	2,62E-01	1,03E-01	2,11E-03	0,00E+00	3,54E-02	0,00E+00	4,15E-04	9,10E-03	3,02E-03	0,00E+00	-1,64E+00
ETP-fw (1)	[CTUe]	1,65E+02	2,72E+01	6,43E+00	2,15E+01	5,69E+00	0,00E+00	1,27E+01	0,00E+00	7,92E-03	1,91E+00	3,64E+00	0,00E+00	-4,01E+01
HTP-c (1)	[CTUh]	3,52E-07	4,97E-08	4,13E-09	3,99E-08	1,59E-09	0,00E+00	4,21E-09	0,00E+00	5,41E-12	3,54E-09	7,63E-02	0,00E+00	-3,92E-08
HTP-mc (1)	[CTUh]	9,78E-07	6,85E-08	3,63E-08	5,13E-08	1,38E-08	0,00E+00	1,68E-08	0,00E+00	3,89E-11	4,54E-09	1,48E+01	0,00E+00	-1,62E-07
SQP (1)		3,58E+03	9,77E+01	4,15E+00	4,78E+01	3,70E-01	0,00E+00	2,10E+01	0,00E+00	3,26E-02	4,24E+00	9,54E-01	0,00E+00	-1,27E+02
Caption	PM = Particulate Matter emissions; SRP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-mc = Human toxicity - non-cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 230x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	7,94E+02	2,17E+00	7,24E+01	1,36E+00	5,47E+01	0,00E+00	1,10E+01	0,00E+00	2,88E-02	1,20E-01	2,58E+02	0,00E+00	-1,10E+02
PERM	[MJ]	4,45E+02	0,00E+00	-6,95E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,21E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,24E+03	2,17E+00	2,86E+00	1,36E+00	2,88E-02	0,00E+00	1,10E+01	0,00E+00	2,88E-02	1,20E-01	4,83E-01	0,00E+00	-1,10E+02
PENRE	[MJ]	2,42E+02	9,72E+01	2,81E+01	7,18E+01	2,15E+01	0,00E+00	1,05E+01	0,00E+00	1,83E-02	6,36E+00	6,59E+00	0,00E+00	-2,44E+02
PENRM	[MJ]	1,73E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,52E+02	0,00E+00	0,00E+00
PENRT	[MJ]	4,15E+02	9,72E+01	2,81E+01	7,18E+01	1,83E-02	0,00E+00	1,05E+01	0,00E+00	1,83E-02	6,36E+00	1,94E+01	0,00E+00	-2,44E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	1,68E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	3,55E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,65E-01	4,69E-02	1,06E-02	3,86E-03	0,00E+00	0,00E+00	4,41E-02	0,00E+00	6,84E-05	9,43E-04	4,80E-02	0,00E+00	-2,70E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 230x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	2,42E+01	1,18E-01	5,05E-02	7,85E-02	6,40E-02	0,00E+00	6,30E-02	0,00E+00	3,57E-05	6,96E-03	1,79E+00	0,00E+00	-2,01E-01
NHWD	[kg]	4,33E+01	1,12E+00	4,82E+00	8,70E-01	4,88E+00	0,00E+00	1,47E+00	0,00E+00	3,82E-04	7,71E-02	5,77E+01	0,00E+00	-2,04E+00
RWD	[kg]	1,46E-02	4,50E-05	6,45E-05	2,55E-05	5,24E-07	0,00E+00	8,93E-06	0,00E+00	9,45E-08	2,26E-06	4,44E-04	0,00E+00	-3,76E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	5,65E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	4,46E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	7,81E+00	0,00E+00	1,01E+01	0,00E+00	2,15E-01	0,00E+00	0,00E+00	0,00E+00	3,24E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,57E+01	0,00E+00	2,01E+01	0,00E+00	4,20E-01	0,00E+00	0,00E+00	0,00E+00	6,53E+01	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 230x128x74

Core environmental impacts per A-Table 230x128x74														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,13E+01	7,35E+00	8,47E+00	6,31E+00	3,90E+01	0,00E+00	1,13E+00	0,00E+00	1,24E-03	5,83E-01	4,86E+01	0,00E+00	-1,88E+01
GWP-fossil	kg CO2 eq.	2,58E+01	7,34E+00	2,10E+00	6,30E+00	1,67E+00	0,00E+00	8,13E-01	0,00E+00	1,16E-03	5,83E-01	2,52E+01	0,00E+00	-1,88E+01
GWP-biogenic	kg CO2 eq.	-6,71E+01	6,64E-03	6,37E+00	4,37E-03	3,73E+01	0,00E+00	1,48E-04	0,00E+00	7,27E-05	4,04E-04	2,35E+01	0,00E+00	-3,20E-01
GWP-luluc	kg CO2 eq.	8,52E-02	3,09E-03	2,75E-04	2,09E-03	3,82E-05	0,00E+00	3,20E-01	0,00E+00	4,93E-06	1,93E-04	7,88E-04	0,00E+00	-2,24E-02
ODP	kg CFC 11 eq.	1,48E-06	1,48E-07	2,89E-08	1,29E-07	1,76E-09	0,00E+00	1,09E-06	0,00E+00	2,49E-11	1,16E-08	2,97E-07	0,00E+00	-6,75E-07
AP	mol H+ eq.	1,26E-01	2,08E-02	7,75E-03	1,31E-02	1,18E-03	0,00E+00	5,16E-03	0,00E+00	6,98E-06	1,21E-03	1,94E-02	0,00E+00	-4,06E-02
EP-freshwater	kg P eq.	1,08E-02	5,92E-04	8,80E-04	4,27E-04	2,41E-05	0,00E+00	2,16E-04	0,00E+00	8,54E-07	3,95E-05	2,03E-03	0,00E+00	-3,93E-03
EP-marine	kg N eq.	3,29E-02	6,26E-03	1,72E-03	3,15E-03	6,02E-04	0,00E+00	3,48E-03	0,00E+00	1,26E-06	2,92E-04	1,18E-02	0,00E+00	-9,27E-03
EP-terrestrial	mol N eq.	3,15E-01	6,78E-02	1,73E-02	3,40E-02	5,54E-03	0,00E+00	1,62E-02	0,00E+00	1,51E-05	3,15E-03	8,76E-02	0,00E+00	-1,06E-01
POCP	kg NMVOC eq.	1,07E-01	3,36E-02	5,02E-03	2,18E-02	1,40E-03	0,00E+00	3,66E-03	0,00E+00	3,78E-06	2,02E-03	2,25E-02	0,00E+00	-4,20E-02
ADPm	kg Sb eq.	3,50E-04	2,12E-05	1,54E-05	2,10E-05	3,77E-07	0,00E+00	8,10E-06	0,00E+00	3,66E-08	1,94E-06	7,53E-06	0,00E+00	-1,64E-04
ADPF	MJ	2,39E+02	1,08E+02	2,84E+01	8,86E+01	1,04E+00	0,00E+00	1,01E+01	0,00E+00	1,87E-02	8,20E+00	6,35E+00	0,00E+00	-2,95E+02
WDPI(1)	m3 world eq. depr.	1,33E+01	5,92E-01	4,33E-01	2,81E-01	0,00E+00	0,00E+00	1,37E+00	0,00E+00	2,10E-03	4,01E-02	2,90E+00	0,00E+00	-9,55E+00

Caption GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletor; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use

Disclaimer (1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

Additional environmental impacts per A-Table 230x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
[Disease incidence]		1,82E-06	6,50E-07	3,33E-08	4,64E-07	1,00E-08	0,00E+00	7,44E-08	0,00E+00	4,58E-11	4,29E-08	1,41E+00	0,00E+00	-2,58E-07
PM	[kg U235 eq.]	3,04E+00	1,81E-01	2,53E-01	1,15E-01	2,11E-03	0,00E+00	4,41E-02	0,00E+00	4,15E-04	1,06E-02	2,93E-03	0,00E+00	-1,88E+00
ETP-fw (1)	[CTUe]	1,66E+02	2,75E+01	6,21E+00	2,41E+01	5,69E+00	0,00E+00	1,59E+01	0,00E+00	7,92E-03	2,23E+00	3,53E+00	0,00E+00	-4,58E+01
HTP-c (1)	[CTUh]	3,55E-07	5,02E-08	3,99E-09	4,47E-08	1,59E-09	0,00E+00	5,24E-09	0,00E+00	5,41E-12	4,14E-09	9,51E-02	0,00E+00	-4,48E-08
HTP-nc (1)	[CTUh]	1,18E-06	6,89E-08	3,51E-08	5,74E-08	1,38E-08	0,00E+00	2,10E-08	0,00E+00	3,89E-11	5,31E-09	1,84E+01	0,00E+00	-1,86E-07
SDP (1)		3,49E+03	9,71E+01	4,00E+00	5,35E+01	3,70E-01	0,00E+00	2,62E+01	0,00E+00	3,26E-02	4,95E+00	9,32E-01	0,00E+00	-1,45E+02

Caption PM = Particulate Matter emissions; BP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SDP = Soil Quality

Disclaimers (1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.

Resource use per A-Table 230x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	8,07E+02	2,19E+00	7,03E+01	1,52E+00	5,47E+01	0,00E+00	1,36E+01	0,00E+00	2,88E-02	1,41E-01	2,49E+02	0,00E+00	-1,26E+02
PERM	[MJ]	4,50E+02	0,00E+00	-6,76E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,28E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,26E+03	2,19E+00	2,76E+00	1,52E+00	2,88E-02	0,00E+00	1,36E+01	0,00E+00	2,88E-02	1,41E-01	6,02E-01	0,00E+00	-1,26E+02
PENRE	[MJ]	2,60E+02	9,79E+01	2,71E+01	8,04E+01	2,15E+01	0,00E+00	1,31E+01	0,00E+00	1,83E-02	7,43E+00	7,50E+00	0,00E+00	-2,79E+02
PENRM	[MJ]	2,10E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,89E+02	0,00E+00	0,00E+00
PENRT	[MJ]	4,69E+02	9,79E+01	2,71E+01	8,04E+01	1,83E-02	0,00E+00	1,31E+01	0,00E+00	1,83E-02	7,43E+00	2,42E+01	0,00E+00	-2,79E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	2,09E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	4,42E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	2,99E-01	1,70E-02	4,52E-02	1,19E-02	3,86E-03	0,00E+00	5,49E-02	0,00E+00	6,84E-05	1,10E-03	5,88E-02	0,00E+00	-3,09E-01

Caption PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water

Waste categories and output flows per A-Table 230x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	2,99E+01	1,18E-01	4,89E-02	8,80E-02	6,40E-02	0,00E+00	7,85E-02	0,00E+00	3,57E-05	8,13E-03	2,20E+00	0,00E+00	-2,29E-01
NHWD	[kg]	4,59E+01	1,13E+00	4,69E+00	9,74E-01	4,88E+00	0,00E+00	1,84E+00	0,00E+00	3,82E-04	9,01E-02	6,68E+01	0,00E+00	-2,33E+00
RWD	[kg]	1,81E-02	4,53E-05	6,22E-05	2,86E-05	5,24E-07	0,00E+00	1,11E-05	0,00E+00	9,45E-08	2,64E-06	5,54E-04	0,00E+00	-4,29E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	7,04E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,56E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	7,59E+00	0,00E+00	1,01E+01	0,00E+00	2,68E-01	0,00E+00	0,00E+00	0,00E+00	3,22E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,53E+01	0,00E+00	2,01E+01	0,00E+00	5,24E-01	0,00E+00	0,00E+00	0,00E+00	6,49E+01	0,00E+00	0,00E+00

Caption HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy

A-Table 230x128x90

Core environmental impacts per A-Table 230x128x90														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,33E+01	7,73E+00	9,07E+00	6,38E+00	3,90E+01	0,00E+00	1,13E+00	0,00E+00	1,24E-03	5,93E-01	5,04E+01	0,00E+00	-1,92E+01
GWP-fossil	kg CO2 eq.	2,59E+01	7,72E+00	2,25E+00	6,38E+00	1,67E+00	0,00E+00	8,13E-01	0,00E+00	1,16E-03	5,92E-01	2,52E+01	0,00E+00	-1,88E+01
GWP-biogenic	kg CO2 eq.	-6,93E+01	6,84E-03	6,82E+00	4,42E-03	3,73E+01	0,00E+00	1,48E-04	0,00E+00	7,27E-05	4,10E-04	2,32E+01	0,00E+00	-3,26E-01
GWP-luluc	kg CO2 eq.	8,73E-02	3,23E-03	2,95E-04	2,12E-03	3,82E-05	0,00E+00	3,20E-01	0,00E+00	4,93E-06	1,97E-04	7,92E-04	0,00E+00	-2,28E-02
ODP	kg CFC 11 eq.	1,48E-06	1,56E-07	3,10E-08	1,27E-07	1,76E-09	0,00E+00	1,18E-06	0,00E+00	2,49E-11	1,18E-08	2,97E-07	0,00E+00	-6,87E-07
AP	mol H+ eq.	1,27E-01	2,17E-02	8,32E-03	1,33E-02	1,18E-03	0,00E+00	5,16E-03	0,00E+00	6,98E-06	1,23E-03	1,96E-02	0,00E+00	-4,13E-02
EP-freshwater	kg P eq.	1,09E-02	6,18E-04	9,46E-04	4,32E-04	2,41E-05	0,00E+00	2,16E-04	0,00E+00	8,54E-07	4,01E-05	2,03E-03	0,00E+00	-4,00E-03
EP-marine	kg N eq.	3,33E-02	6,49E-03	1,84E-03	3,19E-03	6,02E-04	0,00E+00	3,48E-03	0,00E+00	1,26E-06	2,96E-04	1,19E-02	0,00E+00	-9,44E-03
EP-terrestrial	mol N eq.	3,19E-01	7,03E-02	1,85E-02	3,44E-02	5,54E-03	0,00E+00	1,62E-02	0,00E+00	1,51E-05	3,20E-03	8,86E-02	0,00E+00	-1,08E-01
POCP	kg NMVOC eq.	1,08E-01	3,52E-02	5,39E-03	2,21E-02	1,40E-03	0,00E+00	3,66E-03	0,00E+00	3,78E-06	2,05E-03	2,27E-02	0,00E+00	-4,27E-02
ADPm	kg Sb eq.	3,50E-04	2,23E-05	1,66E-05	2,13E-05	3,77E-07	0,00E+00	8,10E-06	0,00E+00	3,66E-08	1,97E-06	7,57E-06	0,00E+00	-1,67E-04
ADPF	MJ	2,41E+02	1,13E+02	3,05E+01	8,97E+01	1,04E+00	0,00E+00	1,01E+01	0,00E+00	1,87E-02	8,33E+00	6,51E+00	0,00E+00	-3,00E+02
WDPI(1)	m3 world eq. depr.	1,34E+01	6,20E-01	4,39E-01	2,81E-01	0,00E+00	0,00E+00	1,37E+00	0,00E+00	2,10E-03	4,07E-02	2,94E+00	0,00E+00	-9,72E+00

Caption GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletor; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use

Disclaimer (1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

Additional environmental impacts per A-Table 230x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	1,86E-06	6,87E-07	3,57E-08	4,70E-07	1,00E-08	0,00E+00	7,4E-08	0,00E+00	4,58E-11	4,36E-08	1,41E+00	0,00E+00	-2,62E-07
IRP (2)	[kBq U235 eq.]	3,06E+00	1,88E-01	2,72E-01	1,16E-01	2,11E-03	0,00E+00	4,41E-02	0,00E+00	4,15E-04	1,08E-02	3,12E-03	0,00E+00	-1,91E+00
ETP-fw (1)	[CTUe]	1,67E+02	2,88E+01	6,67E+00	2,44E+01	5,69E+00	0,00E+00	1,59E+01	0,00E+00	7,92E-03	2,27E+00	3,75E+00	0,00E+00	-4,66E+01
HTP-c (1)	[CTUh]	3,56E-07	5,27E-08	4,28E-09	4,53E-08	1,59E-09	0,00E+00	5,24E-09	0,00E+00	5,41E-12	4,20E-09	9,51E-02	0,00E+00	-4,56E-08
HTP-nc (1)	[CTUh]	1,18E-06	7,26E-08	3,77E-08	5,81E-08	1,38E-08	0,00E+00	2,10E-08	0,00E+00	3,89E-11	5,39E-09	1,84E+01	0,00E+00	-1,89E-07
SQP (1)	-	3,72E+03	1,03E+02	4,30E+00	5,42E+01	3,70E-01	0,00E+00	2,62E+01	0,00E+00	3,26E-02	5,03E+00	9,78E-01	0,00E+00	-1,47E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-Fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 230x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	8,50E+02	2,28E+00	7,53E+01	1,54E+00	5,47E+01	0,00E+00	1,36E+01	0,00E+00	2,88E-02	1,43E-01	2,68E+02	0,00E+00	-1,28E+02
PERM	[MJ]	4,73E+02	0,00E+00	-7,23E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,46E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,32E+03	2,28E+00	2,97E+00	1,54E+00	2,88E-02	0,00E+00	1,36E+01	0,00E+00	2,88E-02	1,43E-01	6,02E-01	0,00E+00	-1,28E-02
PENRE	[MJ]	2,62E+02	1,03E+02	2,92E+01	8,14E+01	2,15E+01	0,00E+00	1,31E+01	0,00E+00	1,83E-02	7,56E+00	7,50E+00	0,00E+00	-2,84E+02
PENRM	[MJ]	2,10E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,89E+02	0,00E+00	0,00E+00
PENRT	[MJ]	4,71E+02	1,03E+02	2,92E+01	8,14E+01	1,83E-02	0,00E+00	1,31E+01	0,00E+00	1,83E-02	7,56E+00	2,42E+01	0,00E+00	-2,84E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	2,09E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	4,42E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	3,00E-01	1,78E-02	4,86E-02	1,21E-02	3,86E-03	0,00E+00	5,49E-02	0,00E+00	6,84E-05	1,12E-03	5,91E-02	0,00E+00	-3,14E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 230x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	2,99E+01	1,24E-01	5,24E-02	8,90E-02	6,40E-02	0,00E+00	7,85E-02	0,00E+00	3,57E-05	8,27E-03	2,21E+00	0,00E+00	-2,33E-01
NHWD	[kg]	4,59E+01	1,19E+00	5,02E+00	9,86E-01	4,88E+00	0,00E+00	1,84E+00	0,00E+00	3,82E-04	9,15E-02	6,80E+01	0,00E+00	-2,37E+00
RWD	[kg]	1,81E-02	4,70E-05	6,69E-05	2,89E-05	5,24E-07	0,00E+00	1,11E-05	0,00E+00	9,45E-08	2,68E-06	5,54E-04	0,00E+00	-4,37E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	7,04E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,56E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	8,12E+00	0,00E+00	1,01E+01	0,00E+00	2,68E-01	0,00E+00	0,00E+00	0,00E+00	3,43E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	1,63E+01	0,00E+00	2,01E+01	0,00E+00	5,24E-01	0,00E+00	0,00E+00	0,00E+00	6,91E+01	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 296x103x74

Core environmental impacts per A-Table 296x103x74														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,15E+01	8,02E+00	1,14E+01	6,50E+00	3,90E+01	0,00E+00	1,17E+00	0,00E+00	1,24E-03	6,07E-01	5,04E+01	0,00E+00	-1,94E+01
GWP-fossil	kg CO2 eq.	2,92E+01	8,01E+00	2,19E+00	6,49E+00	1,67E+00	0,00E+00	8,40E-01	0,00E+00	1,16E-03	6,07E-01	2,61E+01	0,00E+00	-1,91E+01
GWP-biogenic	kg CO2 eq.	-7,07E+01	7,07E-03	9,24E+00	4,50E-03	3,73E+01	0,00E+00	1,53E-04	0,00E+00	7,27E-05	4,20E-04	2,43E+01	0,00E+00	-3,31E+01
GWP-luluc	kg CO2 eq.	9,36E-02	3,34E-03	2,91E-04	2,16E-03	3,82E-05	0,00E+00	3,31E-01	0,00E+00	4,93E-06	2,01E-04	8,19E-04	0,00E+00	-2,31E-02
ODP	kg CFC 11 eq.	1,56E-06	1,62E-07	3,01E-08	1,29E-07	1,76E-09	0,00E+00	1,13E-06	0,00E+00	2,49E-11	1,21E-08	3,07E-07	0,00E+00	-6,96E-07
AP	mol H+ eq.	1,41E-01	2,25E-02	8,30E-03	1,35E-02	1,18E-03	0,00E+00	5,33E-03	0,00E+00	6,98E-06	1,26E-03	2,02E-02	0,00E+00	-4,19E-02
EP-freshwater	kg P eq.	1,23E-02	6,41E-04	9,21E-04	4,40E-04	2,41E-05	0,00E+00	2,23E-04	0,00E+00	8,54E-07	4,11E-05	2,10E-03	0,00E+00	-4,06E-03
EP-marine	kg N eq.	3,65E-02	6,72E-03	1,93E-03	3,25E-03	6,02E-04	0,00E+00	3,59E-03	0,00E+00	1,26E-06	3,04E-04	1,22E-02	0,00E+00	-9,57E-03
EP-terrestrial	mol N eq.	3,50E-01	7,28E-02	1,93E-02	3,51E-02	5,54E-03	0,00E+00	1,67E-02	0,00E+00	1,51E-05	3,28E-03	9,09E-02	0,00E+00	-1,09E-01
POCP	kg NMVOC eq.	1,20E-01	3,65E-02	5,56E-03	2,25E-02	1,40E-03	0,00E+00	3,78E-03	0,00E+00	3,78E-06	2,10E-03	2,33E-02	0,00E+00	-4,33E-02
ADPm	kg Sb eq.	3,77E-04	2,31E-05	1,60E-05	2,16E-05	3,77E-07	0,00E+00	8,36E-06	0,00E+00	3,66E-08	2,02E-06	7,82E-06	0,00E+00	-1,70E-04
ADPF	MJ	2,79E+02	1,18E+02	2,96E+01	9,14E+01	1,04E+00	0,00E+00	1,04E+01	0,00E+00	1,87E-02	8,54E+00	6,75E+00	0,00E+00	-3,05E+02
WDP(1)	m3 world eq. depr	1,50E+01	6,43E-01	4,11E-01	4,47E-01	2,81E-01	0,00E+00	1,41E+00	0,00E+00	2,10E-03	4,17E-02	3,00E+00	0,00E+00	-9,85E+00
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical zone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.													

Additional environmental impacts per A-Table 296x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	2,10E-06	7,14E-07	3,76E-08	4,78E-07	1,00E-08	0,00E+00	7,68E-08	0,00E+00	4,58E-11	4,47E-08	1,45E+00	0,00E+00	-2,66E-07
IRP (2)	[kBq U235 eq.]	3,41E+00	1,95E-01	2,62E-01	1,19E-01	2,11E-03	0,00E+00	4,55E-02	0,00E+00	4,15E-04	1,11E-02	3,28E-03	0,00E+00	-1,94E+00
ETP-fw (1)	[CTUe]	2,30E+02	2,99E+01	6,75E+00	2,49E+01	5,69E+00	0,00E+00	1,64E+01	0,00E+00	7,92E-03	2,32E+00	4,07E+00	0,00E+00	-4,72E+01
HTP-c (1)	[CTUh]	5,34E-07	5,46E-08	4,64E-09	4,61E-08	1,59E-09	0,00E+00	5,41E-09	0,00E+00	5,41E-12	4,31E-09	9,82E-02	0,00E+00	-4,62E-08
HTP-nc (1)	[CTUh]	1,26E-06	7,55E-08	3,99E-08	5,92E-08	1,38E-08	0,00E+00	2,17E-08	0,00E+00	3,89E-11	5,53E-09	1,90E+01	0,00E+00	-1,91E-07
SQP (1)	-	3,89E+03	1,07E+02	4,20E+00	5,52E+01	3,70E-01	0,00E+00	2,70E+01	0,00E+00	3,26E-02	5,16E+00	1,17E+00	0,00E+00	-1,49E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-Fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 296x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	8,88E+02	2,36E+00	1,01E+02	1,57E+00	5,47E+01	0,00E+00	1,41E+01	0,00E+00	2,88E-02	1,47E-01	2,58E+02	0,00E+00	-1,30E-02
PERM	[MJ]	4,91E+02	0,00E+00	-9,80E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,39E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,38E+03	2,36E+00	2,85E+00	1,57E+00	2,88E-02	0,00E+00	1,41E+01	0,00E+00	2,88E-02	1,47E-01	6,22E-01	0,00E+00	-1,30E-02
PENRE	[MJ]	3,00E+02	1,07E+02	2,80E+01	8,29E+01	2,15E+01	0,00E+00	1,35E+01	0,00E+00	1,83E-02	7,74E+00	9,82E+00	0,00E+00	-2,88E-02
PENRM	[MJ]	2,18E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,97E+02	0,00E+00	0,00E+00
PENRT	[MJ]	5,17E+02	1,07E+02	2,80E+01	8,29E+01	1,83E-02	0,00E+00	1,35E+01	0,00E+00	1,83E-02	7,74E+00	2,50E+01	0,00E+00	-2,88E-02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	2,16E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	4,57E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	3,29E-01	1,85E-02	4,71E-02	1,23E-02	3,86E-03	0,00E+00	5,67E-02	0,00E+00	6,84E-05	1,15E-03	6,10E-02	0,00E+00	-3,19E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 296x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	3,14E+01	1,29E-01	6,06E-02	9,07E-02	6,40E-02	0,00E+00	8,11E-02	0,00E+00	3,57E-05	8,47E-03	2,28E+00	0,00E+00	-2,37E-01
NHWD	[kg]	5,91E+01	1,23E+00	6,69E+00	1,00E+00	4,88E+00	0,00E+00	1,89E+00	0,00E+00	3,82E-04	9,38E-02	7,00E+01	0,00E+00	-2,40E+00
RWD	[kg]	1,88E-02	4,87E-05	6,43E-05	2,94E-05	5,24E-07	0,00E+00	1,15E-05	0,00E+00	9,45E-08	2,75E-06	5,72E-04	0,00E+00	-4,43E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	7,27E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	5,74E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	1,10E+01	0,00E+00	1,01E+01	0,00E+00	2,77E-01	0,00E+00	0,00E+00	0,00E+00	3,35E-01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	2,21E+01	0,00E+00	2,01E+01	0,00E+00	5,41E-01	0,00E+00	0,00E+00	0,00E+00	6,75E-01	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 296x103x90

Core environmental impacts per A-Table 296x103x90														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,44E+01	8,57E+00	1,22E+01	6,61E+00	3,90E+01	0,00E+00	1,17E+00	0,00E+00	1,24E-03	6,21E-01	5,30E+01	0,00E+00	-1,99E+01
GWP-fossil	kg CO2 eq.	2,94E+01	8,56E+00	2,42E+00	6,61E+00	1,67E+00	0,00E+00	8,40E-01	0,00E+00	1,16E-03	6,21E-01	2,61E+01	0,00E+00	-1,95E+01
GWP-biogenic	kg CO2 eq.	-7,39E+01	7,36E-03	9,82E+00	4,58E-03	3,73E+01	0,00E+00	1,53E-04	0,00E+00	7,27E-05	4,30E-04	2,68E+01	0,00E+00	-3,39E-01
GWP-luluc	kg CO2 eq.	9,66E-02	3,53E-03	3,21E-04	2,19E-03	3,82E-05	0,00E+00	3,31E-01	0,00E+00	4,93E-06	2,06E-04	8,26E-04	0,00E+00	-2,37E-02
ODP	kg CFC 11 eq.	1,56E-06	1,73E-07	3,33E-08	1,31E-07	1,76E-09	0,00E+00	1,13E-06	0,00E+00	2,49E-11	1,23E-08	3,07E-07	0,00E+00	-7,14E-07
AP	mol H+ eq.	1,42E-01	2,38E-02	9,14E-03	1,38E-02	1,18E-03	0,00E+00	5,33E-03	0,00E+00	6,98E-06	1,29E-03	2,05E-02	0,00E+00	-4,29E-02
EP-freshwater	kg P eq.	1,24E-02	6,79E-04	1,02E-03	4,48E-04	2,41E-05	0,00E+00	2,23E-04	0,00E+00	8,54E-07	4,21E-05	2,11E-03	0,00E+00	-4,16E-03
EP-marine	kg N eq.	3,70E-02	7,06E-03	2,11E-03	3,31E-03	6,02E-04	0,00E+00	3,59E-03	0,00E+00	1,26E-06	3,11E-04	1,23E-02	0,00E+00	-9,81E-03
EP-terrestrial	mol N eq.	3,56E-01	7,64E-02	2,12E-02	3,57E-02	5,54E-03	0,00E+00	1,67E-02	0,00E+00	1,51E-05	3,35E-03	9,23E-02	0,00E+00	-1,12E-01
POCP	kg NMVOC eq.	1,22E-01	3,87E-02	6,10E-03	2,29E-02	1,40E-03	0,00E+00	3,78E-03	0,00E+00	3,78E-06	2,15E-03	2,37E-02	0,00E+00	-4,44E-02
ADPm	kg Sb eq.	3,78E-04	2,47E-05	1,77E-05	2,20E-05	3,77E-07	0,00E+00	8,36E-06	0,00E+00	3,66E-08	2,07E-06	7,87E-06	0,00E+00	-1,74E-04
ADPF	MJ	2,83E+02	1,26E+02	3,27E+01	9,29E+01	1,04E+00	0,00E+00	1,04E+01	0,00E+00	1,87E-02	8,73E+00	6,99E+00	0,00E+00	-3,12E+02
WDPI(1)	m ³ world eq. depr	1,50E+01	6,84E-01	4,46E-01	4,54E-01	2,81E-01	0,00E+00	1,41E+00	0,00E+00	2,10E-03	4,27E-02	3,06E+00	0,00E+00	-1,01E+01
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDPI = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.													

Additional environmental impacts per A-Table 296x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	2,16E-06	7,66E-07	4,12E-08	4,67E-07	1,00E-08	0,00E+00	7,68E-08	0,00E+00	4,58E-11	4,57E-08	1,45E+00	0,00E+00	-2,73E-07
IRP (2)	[kBq U235 eq.]	3,44E+00	2,05E-01	2,90E-01	1,21E-01	2,11E-03	0,00E+00	4,55E-02	0,00E+00	4,15E-04	1,13E-02	3,56E-03	0,00E+00	-1,99E+00
ETP-fw (1)	[CTUe]	2,32E+02	3,18E+01	7,42E+00	2,53E+01	5,69E+00	0,00E+00	1,64E+01	0,00E+00	7,92E-03	2,38E+00	4,40E+00	0,00E+00	-4,84E+01
HTP-c (1)	[CTUh]	5,36E-07	5,81E-08	5,05E-09	4,69E-08	1,59E-09	0,00E+00	5,41E-09	0,00E+00	5,41E-12	4,41E-09	9,82E-02	0,00E+00	-4,74E-08
HTP-nc (1)	[CTUh]	1,26E-06	8,09E-08	4,36E-08	6,02E-08	1,38E-08	0,00E+00	2,17E-08	0,00E+00	3,89E-11	5,66E-09	1,90E+01	0,00E+00	-1,96E-07
SQP (1)	-	4,22E+03	1,15E+02	4,64E+00	5,61E+01	3,70E-01	0,00E+00	2,70E+01	0,00E+00	3,26E-02	5,28E+00	1,24E+00	0,00E+00	-1,53E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the overall impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 296x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	9,49E+02	2,49E+00	1,07E+02	1,60E+00	5,47E+01	0,00E+00	1,41E+01	0,00E+00	2,88E-02	1,50E-01	2,85E+02	0,00E+00	-1,33E+02
PERM	[MJ]	5,25E+02	0,00E+00	-1,04E+02	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,66E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,47E+03	2,49E+00	3,16E+00	1,60E+00	2,88E-02	0,00E+00	1,41E+01	0,00E+00	2,88E-02	1,50E-01	6,22E-01	0,00E+00	-1,33E-02
PENRE	[MJ]	3,02E+02	1,14E+02	3,10E+01	8,43E+01	2,15E+01	0,00E+00	1,35E+01	0,00E+00	1,83E-02	7,92E+00	9,82E+00	0,00E+00	-2,95E-02
PENRM	[MJ]	2,18E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-1,97E+02	0,00E+00	0,00E+00
PENRT	[MJ]	5,20E+02	1,14E+02	3,10E+01	8,43E+01	1,83E-02	0,00E+00	1,35E+01	0,00E+00	1,83E-02	7,92E+00	2,50E+01	0,00E+00	-2,95E-02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	2,16E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	4,57E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	3,31E-01	1,97E-02	5,21E-02	1,25E-02	3,86E-03	0,00E+00	5,67E-02	0,00E+00	6,84E-05	1,17E-03	6,14E-02	0,00E+00	-3,27E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 296x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	3,14E+01	1,37E-01	6,55E-02	9,22E-02	6,40E-02	0,00E+00	8,11E-02	0,00E+00	3,57E-05	8,67E-03	2,29E+00	0,00E+00	-2,43E-01
NHWD	[kg]	5,92E+01	1,31E+00	7,12E+00	1,02E+00	4,88E+00	0,00E+00	1,89E+00	0,00E+00	3,82E-04	9,60E-02	7,18E+01	0,00E+00	-2,47E+00
RWD	[kg]	1,88E-02	5,11E-05	7,12E-05	3,00E-05	5,24E-07	0,00E+00	1,15E-05	0,00E+00	9,45E-08	2,81E-06	5,72E-04	0,00E+00	-4,54E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	7,27E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	1,17E+01	0,00E+00	1,01E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	3,66E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	2,39E+01	0,00E+00	2,01E+01	0,00E+00	5,41E-01	0,00E+00	0,00E+00	0,00E+00	7,37E+01	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 296x128x74

Core environmental impacts per A-Table 296x128x74														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-3,93E+01	8,61E+00	1,19E+01	7,47E+00	3,90E+01	0,00E+00	1,46E+00	0,00E+00	1,24E-03	7,29E-01	5,80E+01	0,00E+00	-2,29E+01
GWP-fossil	kg CO2 eq.	3,30E+01	8,60E+00	2,31E+00	7,47E+00	1,67E+00	0,00E+00	1,05E+00	0,00E+00	1,16E-03	7,28E-01	3,24E+01	0,00E+00	-2,25E+01
GWP-biogenic	kg CO2 eq.	-7,24E+01	7,43E-03	9,54E+00	5,17E-03	3,73E+01	0,00E+00	1,90E-04	0,00E+00	7,27E-05	5,04E-04	2,56E+01	0,00E+00	-3,90E-01
GWP-luluc	kg CO2 eq.	1,01E-01	3,54E-03	3,06E-04	2,49E-03	3,82E-05	0,00E+00	4,12E-01	0,00E+00	4,93E-06	2,42E-04	1,01E-03	0,00E+00	-2,72E-02
ODP	kg CFC 11 eq.	1,88E-06	1,74E-07	3,18E-08	1,48E-07	1,76E-09	0,00E+00	1,40E-06	0,00E+00	2,49E-11	1,45E-08	3,82E-07	0,00E+00	-8,22E-07
AP	mol H+ eq.	1,61E-01	2,38E-02	8,73E-03	1,56E-02	1,18E-03	0,00E+00	6,64E-03	0,00E+00	6,98E-06	1,52E-03	2,46E-02	0,00E+00	-4,94E-02
EP-freshwater	kg P eq.	1,38E-02	6,81E-04	9,70E-04	5,06E-04	2,41E-05	0,00E+00	2,78E-04	0,00E+00	8,54E-07	4,93E-05	2,59E-03	0,00E+00	-4,79E-03
EP-marine	kg N eq.	4,09E-02	7,05E-03	2,02E-03	3,74E-03	6,02E-04	0,00E+00	4,48E-03	0,00E+00	1,26E-06	3,64E-04	1,49E-02	0,00E+00	-1,13E-02
EP-terrestrial	mol N eq.	3,94E-01	7,63E-02	2,03E-02	4,03E-02	5,54E-03	0,00E+00	2,08E-02	0,00E+00	1,51E-05	3,93E-03	1,10E-01	0,00E+00	-1,29E-01
POCP	kg NMVOC eq.	1,32E-01	3,87E-02	5,84E-03	2,58E-02	1,40E-03	0,00E+00	4,71E-03	0,00E+00	3,78E-06	2,52E-03	2,84E-02	0,00E+00	-5,11E-02
ADPm	kg Sb eq.	4,52E-04	2,50E-05	1,69E-05	2,49E-05	3,77E-07	0,00E+00	1,04E-05	0,00E+00	3,66E-08	2,43E-06	9,61E-06	0,00E+00	-2,00E-04
ADPF	mJ	2,97E+02	1,26E+02	3,12E+01	1,05E+02	1,04E+00	0,00E+00	1,30E+01	0,00E+00	1,87E-02	1,02E+01	7,85E+00	0,00E+00	-3,59E+02
WDPI(1)	M3 world eq. dep.	1,68E-01	6,85E-01	4,29E-01	5,13E-01	2,81E-01	0,00E+00	1,76E+00	0,00E+00	2,10E-03	5,01E-02	3,64E+00	0,00E+00	-1,16E+01
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.													

Additional environmental impacts per A-Table 296x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	2,30E-06	7,64E-07	3,94E-08	5,50E-07	1,00E-08	0,00E+00	9,57E-08	0,00E+00	4,58E-11	5,36E-08	1,81E+00	0,00E+00	-3,14E-07
IRP (2)	[kBq U235 eq.]	3,88E+00	2,06E-01	2,76E-01	1,36E-01	2,11E-03	0,00E+00	5,67E-02	0,00E+00	4,15E-04	1,33E-02	3,43E-03	0,00E+00	-2,28E+00
ETP-fw (1)	[CTUe]	2,33E+02	3,21E+01	7,09E+00	2,86E+01	5,69E+00	0,00E+00	2,04E+01	0,00E+00	7,92E-03	2,79E+00	4,24E+00	0,00E+00	-5,57E+01
HTP-c (1)	[CTUh]	5,39E-07	5,86E-08	4,85E-09	5,30E-08	1,59E-09	0,00E+00	6,75E-09	0,00E+00	5,41E-12	5,17E-09	1,22E-01	0,00E+00	-5,45E-08
HTP-mc (1)	[CTUh]	1,52E-06	8,11E-08	4,18E-08	6,80E-08	1,38E-08	0,00E+00	2,70E-08	0,00E+00	3,89E-11	6,63E-09	2,37E+01	0,00E+00	-2,26E-07
SQP (1)	-	4,07E+03	1,14E+02	4,43E+00	6,35E+01	3,70E-01	0,00E+00	3,37E+01	0,00E+00	3,26E-02	6,19E+00	1,20E+00	0,00E+00	-1,75E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-mc = Human toxicity - non-cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 296x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	9,61E+02	2,50E+00	1,04E+02	1,80E+00	5,47E+01	0,00E+00	1,76E+01	0,00E+00	2,88E-02	1,76E-01	2,72E+02	0,00E+00	-1,53E+02
PERM	[MJ]	5,29E+02	0,00E+00	-1,01E+02	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,73E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,49E+03	2,50E+00	3,01E+00	1,80E+00	2,88E-02	0,00E+00	1,76E+01	0,00E+00	2,88E-02	1,76E-01	7,75E+01	0,00E+00	-1,53E+02
PENRE	[MJ]	3,24E+02	1,15E+02	2,96E+01	9,53E+01	2,15E+01	0,00E+00	1,68E+01	0,00E+00	1,83E-02	9,29E+00	1,10E+01	0,00E+00	-3,40E+02
PENRM	[MJ]	2,65E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,44E+02	0,00E+00	0,00E+00
PENRT	[MJ]	5,89E+02	1,15E+02	2,96E+01	9,53E+01	1,83E-02	0,00E+00	1,68E+01	0,00E+00	1,83E-02	9,29E+00	3,12E+01	0,00E+00	-3,40E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	2,70E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	5,69E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	3,73E-01	1,97E-02	4,96E-02	1,41E-02	3,86E-03	0,00E+00	7,07E-02	0,00E+00	6,84E-05	1,38E-03	7,52E-02	0,00E+00	-3,76E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 296x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	3,87E+01	1,37E-01	6,31E-02	1,04E-01	6,40E-02	0,00E+00	1,01E-01	0,00E+00	3,57E-05	1,02E-02	2,82E+00	0,00E+00	-2,79E-01
NHWD	[kg]	6,25E+01	1,32E+00	6,92E+00	1,15E+00	4,88E+00	0,00E+00	2,36E+00	0,00E+00	3,82E-04	1,13E-01	8,33E+01	0,00E+00	-2,84E+00
RWD	[kg]	2,33E-02	5,13E-05	6,78E-05	3,39E-05	5,24E-07	0,00E+00	1,43E-05	0,00E+00	9,45E-08	3,30E-06	7,12E-04	0,00E+00	-5,22E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	9,06E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	1,14E+01	0,00E+00	1,01E+01	0,00E+00	3,45E-01	0,00E+00	0,00E+00	0,00E+00	3,61E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	2,29E+01	0,00E+00	2,01E+01	0,00E+00	6,74E-01	0,00E+00	0,00E+00	0,00E+00	7,28E+01	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 296x128x90

Core environmental impacts per A-Table 296x128x90														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,24E+01	9,18E+00	1,28E+01	7,59E+00	3,90E+01	0,00E+00	1,46E+00	0,00E+00	1,24E-03	7,43E-01	6,07E+01	0,00E+00	-2,34E+01
GWP-fossil	kg CO2 eq.	3,32E+01	9,16E+00	2,55E+01	7,58E+00	1,67E+00	0,00E+00	1,05E+00	0,00E+00	1,16E-03	7,42E-01	3,25E+01	0,00E+00	-2,30E+01
GWP-biogenic	kg CO2 eq.	-7,57E+01	7,74E-03	1,02E+01	5,25E-03	3,73E+01	0,00E+00	1,90E-04	0,00E+00	7,27E-05	5,14E-04	2,82E+01	0,00E+00	-3,98E+01
GWP-luluc	kg CO2 eq.	1,04E-01	3,74E-03	3,37E-04	2,52E-03	3,82E-05	0,00E+00	4,12E-01	0,00E+00	4,93E-06	2,46E-04	1,01E-03	0,00E+00	-2,78E-02
ODP	kg CFC 11 eq.	1,89E-06	1,86E-07	3,50E-08	1,51E-07	1,76E-09	0,00E+00	1,40E-06	0,00E+00	2,49E-11	1,49E-08	3,82E-07	0,00E+00	-8,40E-07
AP	mol H+ eq.	1,62E-01	2,51E-02	9,59E-03	1,58E-02	1,18E-03	0,00E+00	6,64E-03	0,00E+00	6,98E-06	1,55E-03	2,49E-02	0,00E+00	-5,05E-02
EP-freshwater	kg P eq.	1,39E-02	7,21E-04	1,07E-03	5,14E-04	2,41E-05	0,00E+00	2,78E-04	0,00E+00	8,54E-07	5,03E-05	2,60E-03	0,00E+00	-4,89E-03
EP-marine	kg N eq.	4,14E-02	7,39E-03	2,21E-03	3,79E-03	6,02E-04	0,00E+00	4,48E-03	0,00E+00	1,26E-06	3,71E-04	1,50E-02	0,00E+00	-1,15E-02
EP-terrestrial	mol N eq.	4,00E-01	8,01E-02	2,22E-02	4,09E-02	5,54E-03	0,00E+00	2,08E-02	0,00E+00	1,51E-05	4,01E-03	1,12E-01	0,00E+00	-1,32E-01
POCP	kg NMVOC eq.	1,35E-01	4,10E-02	6,39E-03	2,62E-02	1,40E-03	0,00E+00	4,71E-03	0,00E+00	3,78E-06	2,57E-03	2,87E-02	0,00E+00	-5,22E-02
ADPm	kg Sb eq.	4,52E-04	2,66E-05	1,86E-05	2,53E-05	3,77E-07	0,00E+00	1,04E-05	0,00E+00	3,66E-08	2,47E-06	9,67E-06	0,00E+00	-2,04E-04
ADPF	mJ	3,00E+02	1,35E+02	3,43E+01	1,07E+02	1,04E+00	0,00E+00	1,30E+01	0,00E+00	1,87E-02	1,04E+01	8,10E+00	0,00E+00	-3,67E+02
WDPI(1)	m3 world eq. dep.	1,69E+01	7,28E-01	4,66E-01	5,21E-01	2,81E-01	0,00E+00	1,76E+00	0,00E+00	2,10E-03	5,10E-02	3,69E+00	0,00E+00	-1,19E+01
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.													

Additional environmental impacts per A-Table 296x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
[Disease incidence]		2,37E-06	8,18E-07	4,31E-08	5,58E-07	1,00E-08	0,00E+00	9,57E-08	0,00E+00	4,58E-11	5,47E-08	1,81E+00	0,00E+00	-3,21E-07
PM	[kg U235 eq.]	3,91E+00	2,16E-01	1,38E-01	3,04E-01	2,11E-03	0,00E+00	5,67E-02	0,00E+00	4,15E-04	1,35E-02	3,71E-03	0,00E+00	-2,33E+00
ETP-fw (1)	[CTUe]	2,34E+02	3,41E+01	7,78E+00	2,90E+01	5,69E+00	0,00E+00	2,04E+01	0,00E+00	7,92E-03	2,84E+00	4,57E+00	0,00E+00	-5,69E+01
HTP-c (1)	[CTUh]	5,41E-07	6,22E-08	5,29E-09	5,38E-08	1,59E-09	0,00E+00	6,75E-09	0,00E+00	5,41E-12	5,27E-09	1,22E-01	0,00E+00	-5,57E-08
HTP-nc (1)	[CTUh]	1,52E-06	8,67E-08	4,56E-08	6,91E-08	1,38E-08	0,00E+00	2,70E-08	0,00E+00	3,89E-11	6,76E-09	2,37E+01	0,00E+00	-2,31E-07
SDP (1)		4,42E+03	1,22E+02	4,88E+00	6,44E+01	3,70E-01	0,00E+00	3,37E+01	0,00E+00	3,26E-02	6,31E+00	1,27E+00	0,00E+00	-1,80E+02
Caption	PM = Particulate Matter emissions; BP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SDP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 296x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	1,03E+03	2,63E+00	1,12E+02	1,83E+00	5,47E+01	0,00E+00	1,76E+01	0,00E+00	2,88E-02	1,79E-01	3,00E+02	0,00E+00	-1,57E+02
PERM	[MJ]	5,64E+02	0,00E+00	-1,08E+02	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-4,01E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,59E+03	2,63E+00	3,32E+00	1,83E+00	2,88E-02	0,00E+00	1,76E+01	0,00E+00	2,88E-02	1,79E-01	7,75E-01	0,00E+00	-1,57E+02
PENRE	[MJ]	3,28E+02	1,22E+02	3,26E+01	9,67E+01	2,15E+01	0,00E+00	1,68E+01	0,00E+00	1,83E-02	9,47E+00	1,10E+01	0,00E+00	-3,48E+02
PENRM	[MJ]	2,65E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,44E+02	0,00E+00	0,00E+00
PENRT	[MJ]	5,92E+02	1,22E+02	3,26E+01	9,67E+01	1,83E-02	0,00E+00	1,68E+01	0,00E+00	1,83E-02	9,47E+00	3,12E+01	0,00E+00	-3,48E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	2,70E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	5,69E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	3,75E-01	2,09E-02	5,47E-02	1,43E-02	3,86E-03	0,00E+00	7,07E-02	0,00E+00	6,84E-05	1,40E-03	7,56E-02	0,00E+00	-3,84E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 296x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	3,87E+01	1,46E-01	6,84E-02	1,06E-01	6,40E-02	0,00E+00	1,01E-01	0,00E+00	3,57E-05	1,04E-02	2,83E+00	0,00E+00	-2,85E-01
NHWD	[kg]	6,26E+01	1,40E+00	7,41E+00	1,17E+00	4,88E+00	0,00E+00	2,36E+00	0,00E+00	3,82E-04	1,15E-01	8,52E+01	0,00E+00	-2,90E+00
RWD	[kg]	2,33E-02	5,39E-05	7,48E-05	3,44E-05	5,24E-07	0,00E+00	1,43E-05	0,00E+00	9,45E-08	3,37E-06	7,12E-04	0,00E+00	-5,33E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	9,06E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	7,15E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	1,22E+01	0,00E+00	1,01E+01	0,00E+00	3,45E-01	0,00E+00	0,00E+00	0,00E+00	3,92E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	2,44E+01	0,00E+00	2,01E+01	0,00E+00	6,74E-01	0,00E+00	0,00E+00	0,00E+00	7,91E+01	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 420x103x74

Core environmental impacts per A-Table 420x103x74														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,94E+01	1,12E+01	1,28E+01	8,73E+00	3,90E+01	0,00E+00	1,66E+00	0,00E+00	1,24E-03	8,85E-01	7,67E+01	0,00E+00	-2,79E+01
GWP-fossil	kg CO2 eq.	3,67E+01	1,12E+01	3,53E+00	8,72E+00	1,67E+00	0,00E+00	1,19E+00	0,00E+00	1,16E-03	8,84E-01	3,70E+01	0,00E+00	-2,74E+01
GWP-biogenic	kg CO2 eq.	-8,62E+01	8,89E-03	9,31E-00	6,04E-03	3,73E+01	0,00E+00	2,17E-04	0,00E+00	7,27E-05	6,13E-04	3,97E+01	0,00E+00	-4,74E-01
GWP-luluc	kg CO2 eq.	1,19E-01	4,46E-03	4,61E-04	2,90E-03	3,82E-05	0,00E+00	4,70E-01	0,00E+00	4,93E-06	2,94E-04	1,17E-03	0,00E+00	-3,31E-02
ODP	kg CFC 11 eq.	2,13E-06	2,28E-07	4,86E-08	1,73E-07	1,76E-09	0,00E+00	1,60E-06	0,00E+00	2,49E-11	1,76E-08	4,36E-07	0,00E+00	-9,99E-07
AP	mol H+ eq.	1,81E-01	2,99E-02	1,29E-02	1,82E-02	1,18E-03	0,00E+00	7,56E-03	0,00E+00	6,98E-06	1,84E-03	2,91E-02	0,00E+00	-6,00E-02
EP-freshwater	kg P eq.	1,54E-02	8,65E-04	1,48E-03	5,91E-04	2,41E-05	0,00E+00	3,16E-04	0,00E+00	8,54E-07	5,99E-05	3,00E-03	0,00E+00	-5,82E-03
EP-marine	kg N eq.	4,63E-02	8,63E-03	2,82E-03	4,36E-03	6,02E-04	0,00E+00	5,10E-03	0,00E+00	1,26E-06	4,43E-04	1,76E-02	0,00E+00	-1,37E-02
EP-terrestrial	mol N eq.	4,49E-01	9,34E-02	2,84E-02	4,71E-02	5,54E-03	0,00E+00	2,37E-02	0,00E+00	1,51E-05	4,78E-03	1,32E-01	0,00E+00	-1,57E-01
POCP	kg NMVOC eq.	1,52E-01	4,92E-02	6,28E-03	3,02E-02	1,40E-03	0,00E+00	5,37E-03	0,00E+00	3,78E-06	3,06E-03	3,37E-02	0,00E+00	-6,21E-02
ADPm	kg Sb eq.	5,07E-04	3,20E-05	2,60E-05	2,91E-05	3,77E-07	0,00E+00	1,19E-05	0,00E+00	3,66E-08	2,95E-06	1,12E-05	0,00E+00	-2,43E-04
ADPF	mJ	3,24E+02	1,65E+02	4,78E+01	1,23E+02	1,04E+00	0,00E+00	1,48E+01	0,00E+00	1,87E-02	1,24E+01	9,88E+00	0,00E+00	-4,37E+02
WDPI(1)	m3 world eq. dep.	1,86E+01	8,00E-01	5,43E-01	6,00E-01	2,81E-01	0,00E+00	2,00E+00	0,00E+00	2,10E-03	6,08E-02	4,37E+00	0,00E+00	-1,41E+01
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.													

Additional environmental impacts per A-Table 420x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	2,72E-06	1,01E-06	5,44E-08	6,42E-07	1,00E-08	0,00E+00	1,09E-07	0,00E+00	4,58E-11	6,51E-08	2,06E+00	0,00E+00	-3,82E-07
IRP (2)	[kBq U235 eq.]	4,37E+00	2,53E-01	4,28E-01	1,59E-01	2,11E-03	0,00E+00	6,46E-02	0,00E+00	4,15E-04	1,61E-02	4,98E-03	0,00E+00	-2,78E+00
ETP-fw (1)	[CTUe]	2,45E+02	4,15E+01	1,03E+01	3,34E+01	5,69E+00	0,00E+00	2,33E+01	0,00E+00	7,92E-03	3,39E+00	6,01E+00	0,00E+00	-6,77E+01
HTP-c (1)	[CTUrh]	5,66E-07	7,56E-08	6,47E-09	6,19E-08	1,59E-09	0,00E+00	7,68E-09	0,00E+00	5,41E-12	6,28E-09	1,39E-01	0,00E+00	-6,62E-08
HTP-nc (1)	[CTUrh]	1,72E-06	1,07E-07	5,75E-08	7,94E-08	1,38E-08	0,00E+00	3,07E-08	0,00E+00	3,89E-11	8,06E-09	2,69E+01	0,00E+00	-2,75E-07
SQP (1)	-	5,54E+03	1,51E+02	6,73E+00	7,41E+01	3,70E-01	0,00E+00	3,84E+01	0,00E+00	3,26E-02	7,52E+00	1,60E+00	0,00E+00	-2,14E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-FW = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 420x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	1,26E+03	3,13E+00	1,03E+02	2,11E+00	5,47E+01	0,00E+00	2,00E+01	0,00E+00	2,88E-02	2,14E-01	4,21E+02	0,00E+00	-1,87E+02
PERM	[MJ]	6,90E+02	0,00E+00	-9,88E+01	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-5,36E+02	0,00E+00	0,00E+00
PERT	[MJ]	1,95E+03	3,13E+00	4,67E+00	2,11E+00	2,88E-02	0,00E+00	2,00E+01	0,00E+00	2,88E-02	2,14E-01	8,82E-01	0,00E+00	-1,87E+02
PENRE	[MJ]	3,57E+02	1,50E+02	4,59E+01	1,11E+02	2,15E+01	0,00E+00	1,92E+01	0,00E+00	1,83E-02	1,13E+01	1,18E+01	0,00E+00	-4,14E+02
PENRM	[MJ]	2,95E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,77E+02	0,00E+00	0,00E+00
PENRT	[MJ]	6,55E+02	1,50E+02	4,59E+01	1,11E+02	1,83E-02	0,00E+00	1,92E+01	0,00E+00	1,83E-02	1,13E+01	3,55E+01	0,00E+00	-4,14E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	3,07E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	6,48E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	4,12E-01	2,53E-02	7,63E-02	1,65E-02	3,86E-03	0,00E+00	8,05E-02	0,00E+00	6,84E-05	1,67E-03	8,70E-02	0,00E+00	-4,57E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary materials; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 420x103x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	4,39E+01	1,76E-01	7,71E-02	1,22E-01	6,40E-02	0,00E+00	1,15E-01	0,00E+00	3,57E-05	1,23E-02	3,25E+00	0,00E+00	-3,39E-01
NHWD	[kg]	6,65E+01	1,70E+00	6,91E+00	1,35E+00	4,88E+00	0,00E+00	2,69E+00	0,00E+00	3,82E-04	1,37E-01	1,02E+02	0,00E+00	-3,45E+00
RWD	[kg]	2,65E-02	6,32E-05	1,05E-04	3,95E-05	5,24E-07	0,00E+00	1,63E-05	0,00E+00	9,45E-08	4,01E-06	8,11E-04	0,00E+00	-6,35E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	1,03E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	8,14E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	1,11E+01	0,00E+00	1,01E+01	0,00E+00	3,93E-01	0,00E+00	0,00E+00	0,00E+00	5,36E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	2,23E+01	0,00E+00	2,01E+01	0,00E+00	7,67E-01	0,00E+00	0,00E+00	0,00E+00	1,08E+02	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 420x103x90

Core environmental impacts per A-Table 420x103x90														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-5,24E+01	1,18E+01	1,36E+01	8,84E+00	3,90E+01	0,00E+00	1,66E+00	0,00E+00	1,24E-03	8,99E-01	7,93E+01	0,00E+00	-2,84E+01
GWP-fossil	kg CO2 eq.	3,69E+01	1,18E+01	3,76E+00	8,83E+00	1,67E+00	0,00E+00	1,19E+00	0,00E+00	1,16E-03	8,98E-01	3,70E+01	0,00E+00	-2,79E+01
GWP-biogenic	kg CO2 eq.	-8,94E+01	9,18E-03	9,89E+00	6,12E-03	3,73E+01	0,00E+00	2,17E-04	0,00E+00	7,27E-05	6,22E-04	4,23E+01	0,00E+00	-4,82E-01
GWP-land use	kg CO2 eq.	1,22E+01	4,66E-03	4,91E-04	2,93E-03	3,82E-05	0,00E+00	4,70E-01	0,00E+00	4,93E-06	2,98E-04	1,18E-03	0,00E+00	-3,37E-02
ODP	kg CFC 11 eq.	2,13E-06	2,40E-07	5,18E-08	1,76E-07	1,76E-09	0,00E+00	1,60E-06	0,00E+00	2,49E-11	1,79E-08	4,36E-07	0,00E+00	-1,02E-06
AP	mol H+ eq.	1,83E-01	3,12E-02	1,38E-02	1,84E-02	1,18E-03	0,00E+00	7,56E-03	0,00E+00	6,98E-06	1,87E-03	2,94E-02	0,00E+00	-6,11E-02
EP-freshwater	kg P eq.	1,55E-02	9,03E-04	1,58E-03	5,98E-04	2,41E-05	0,00E+00	3,16E-04	0,00E+00	8,54E-07	6,09E-05	3,01E-03	0,00E+00	-5,92E-03
EP-marine	kg N eq.	4,68E-02	8,97E-03	3,00E-03	4,42E-03	6,02E-04	0,00E+00	5,10E-03	0,00E+00	1,26E-06	4,50E-04	1,77E-02	0,00E+00	-1,40E-02
EP-terrestrial	mol N eq.	4,54E-01	9,70E-02	3,02E-02	4,77E-02	5,54E-03	0,00E+00	2,37E-02	0,00E+00	1,51E-05	4,85E-03	1,33E-01	0,00E+00	-1,60E-01
POCP	kg NMVOC eq.	1,55E-01	5,14E-02	8,82E-03	3,06E-02	1,40E-03	0,00E+00	5,37E-03	0,00E+00	3,78E-06	3,11E-03	3,41E-02	0,00E+00	-6,32E-02
ADPm	kg Sb eq.	5,08E-04	3,42E-05	2,77E-05	2,94E-05	3,77E-07	0,00E+00	1,19E-05	0,00E+00	3,66E-08	2,99E-06	1,12E-05	0,00E+00	-2,48E-04
ADFP	MJ	3,28E+02	1,72E+02	5,10E+01	1,24E+02	1,04E+00	0,00E+00	1,48E+01	0,00E+00	1,87E-02	1,26E+01	1,01E+01	0,00E+00	-4,45E+02
WDP(1)	m3 world eq. dep.	1,87E+01	9,21E-01	5,78E-01	6,07E-01	2,81E-01	0,00E+00	2,00E+00	0,00E+00	2,10E-03	6,18E-02	4,43E+00	0,00E+00	-1,44E+01
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-land use = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acidification; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADFP = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator.													

Additional environmental impacts per A-Table 420x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	2,79E-06	1,06E-06	5,79E-08	6,51E-07	1,00E-08	0,00E+00	1,09E-07	0,00E+00	4,58E-11	6,62E-08	2,06E+00	0,00E+00	-3,88E-07
IRP (2)	[kBq U235 eq.]	4,40E+00	2,63E-01	4,56E-01	1,61E-01	2,11E-03	0,00E+00	6,46E-02	0,00E+00	4,15E-04	1,64E-02	5,26E-03	0,00E+00	-2,83E+00
ETP-fw (1)	[CTUe]	2,46E+02	4,34E+01	1,10E+01	3,38E+01	5,69E+00	0,00E+00	2,33E+01	0,00E+00	7,92E-03	3,44E+00	6,33E+00	0,00E+00	-6,89E+01
HTP-c (1)	[CTUrh]	5,68E-07	7,91E-08	6,89E-09	6,27E-08	1,59E-09	0,00E+00	7,68E-09	0,00E+00	5,41E-12	6,38E-09	1,39E-01	0,00E+00	-6,74E-08
HTP-nc (1)	[CTUrh]	1,72E-06	1,12E-07	6,12E-08	8,05E-08	1,38E-08	0,00E+00	3,07E-08	0,00E+00	3,89E-11	8,18E-09	2,69E+01	0,00E+00	-2,79E-07
SQP (1)	-	5,87E+03	1,59E+02	7,17E+00	7,51E+01	3,70E-01	0,00E+00	3,84E+01	0,00E+00	3,26E-02	7,64E+00	1,66E+00	0,00E+00	-2,18E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-FW = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-nc = Human toxicity - non cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experienced with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 420x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	1,32E+03	3,25E+00	1,10E+02	2,13E+00	5,47E+01	0,00E+00	2,00E+01	0,00E+00	2,88E-02	2,17E-01	4,49E+02	0,00E+00	-1,90E+02
PERM	[MJ]	7,23E+02	0,00E+00	-1,05E+02	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-5,64E+02	0,00E+00	0,00E+00
PERT	[MJ]	2,05E+03	3,25E+00	4,97E+00	2,13E+00	2,88E-02	0,00E+00	2,00E+01	0,00E+00	2,88E-02	2,17E-01	8,82E-01	0,00E+00	-1,90E+02
PENRE	[MJ]	3,60E+02	1,57E+02	4,89E+01	1,13E+02	2,15E+01	0,00E+00	1,92E+01	0,00E+00	1,83E-02	1,15E+01	1,18E+01	0,00E+00	-4,21E+02
PENRM	[MJ]	2,99E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-2,77E+02	0,00E+00	0,00E+00
PENRT	[MJ]	6,58E+02	1,57E+02	4,89E+01	1,13E+02	1,83E-02	0,00E+00	1,92E+01	0,00E+00	1,83E-02	1,15E+01	3,55E+01	0,00E+00	-4,21E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	3,07E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	6,48E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	4,14E-01	2,65E-02	8,13E-02	1,67E-02	3,86E-03	0,00E+00	8,05E-02	0,00E+00	6,84E-05	1,70E-03	8,74E-02	0,00E+00	-4,65E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 420x103x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	4,39E+01	1,84E-01	8,20E-02	1,23E-01	6,40E-02	0,00E+00	1,15E-01	0,00E+00	3,57E-05	1,25E-02	3,26E+00	0,00E+00	-3,45E-01
NHWD	[kg]	6,66E+01	1,78E+00	7,34E+00	1,37E+00	4,88E+00	0,00E+00	2,69E+00	0,00E+00	3,82E-04	1,39E-01	1,04E+02	0,00E+00	-3,51E+00
RWD	[kg]	2,65E-02	6,50E-05	1,12E-04	4,00E-05	5,24E-07	0,00E+00	1,63E-05	0,00E+00	9,45E-08	4,07E-06	8,11E-04	0,00E+00	-6,46E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	1,03E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	8,14E-01	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	1,18E+01	0,00E+00	1,01E+01	0,00E+00	3,93E-01	0,00E+00	0,00E+00	0,00E+00	5,67E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	2,37E+01	0,00E+00	2,01E+01	0,00E+00	7,67E-01	0,00E+00	0,00E+00	0,00E+00	1,14E+02	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 420x128x74

Core environmental impacts per A-Table 420x128x74														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,57E+01	1,19E+01	1,33E+01	1,01E+01	3,90E+01	0,00E+00	2,07E+00	0,00E+00	1,24E-03	1,05E+00	8,69E+01	0,00E+00	-3,27E+01
GWP-fossil	kg CO2 eq.	4,20E+01	1,19E+01	3,65E+00	1,01E+01	1,67E+00	0,00E+00	1,49E+00	0,00E+00	1,16E-03	1,05E+00	4,59E+01	0,00E+00	-3,21E+01
GWP-biogenic	kg CO2 eq.	-8,78E+01	9,34E-03	9,61E+00	6,98E-03	3,73E+01	0,00E+00	2,70E-04	0,00E+00	7,27E-05	7,30E-04	4,10E+01	0,00E+00	-5,56E-01
GWP-luluc	kg CO2 eq.	1,28E-01	4,71E-03	4,76E-04	3,34E-03	3,82E-05	0,00E+00	5,85E-01	0,00E+00	4,93E-06	3,50E-04	1,43E-03	0,00E+00	-3,89E-02
ODP	kg CFC 11 eq.	2,58E-06	2,43E-07	5,03E-08	2,00E-07	1,76E-09	0,00E+00	1,99E-06	0,00E+00	2,49E-11	2,09E-08	5,42E-07	0,00E+00	-1,17E-06
AP	mol H+ eq.	2,09E-01	3,15E-02	1,34E-02	2,10E-02	1,18E-03	0,00E+00	9,42E-03	0,00E+00	6,98E-06	2,19E-03	3,53E-02	0,00E+00	-7,05E-02
EP-freshwater	kg P eq.	1,76E-02	9,14E-04	1,53E-03	6,83E-04	2,41E-05	0,00E+00	3,94E-04	0,00E+00	8,54E-07	7,14E-05	3,69E-03	0,00E+00	-6,83E-03
EP-marine	kg N eq.	5,25E-02	9,02E-03	2,91E-03	5,04E-03	6,02E-04	0,00E+00	6,35E-03	0,00E+00	1,26E-06	5,27E-04	2,14E-02	0,00E+00	-1,61E-02
EP-terrestrial	mol N eq.	5,10E-01	9,77E-02	2,93E-02	5,44E-02	5,54E-03	0,00E+00	2,95E-02	0,00E+00	1,51E-05	5,69E-03	1,99E-01	0,00E+00	-1,84E-01
POCP	kg NMVOC eq.	1,70E-01	5,19E-02	8,56E-03	3,49E-02	1,40E-03	0,00E+00	6,69E-03	0,00E+00	3,78E-06	3,65E-03	4,08E-02	0,00E+00	-7,30E-02
ADPm	kg Sb eq.	6,13E-04	3,49E-05	2,69E-05	3,36E-05	3,77E-07	0,00E+00	1,48E-05	0,00E+00	3,66E-08	3,51E-06	1,37E-05	0,00E+00	-2,86E-04
ADPF	MJ	3,48E+02	1,76E+02	4,94E+01	1,42E+02	1,04E+00	0,00E+00	1,85E+01	0,00E+00	1,87E-02	1,48E+01	1,14E+01	0,00E+00	-5,13E+02
WDP(1)	m ³ world eq. dep.	2,13E+01	9,31E-01	5,61E-01	6,93E-01	2,81E-01	0,00E+00	2,50E+00	0,00E+00	2,10E-03	7,24E-02	5,25E+00	0,00E+00	-1,66E+01
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletion; AP = Acid Potency; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.													

Additional environmental impacts per A-Table 420x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM	[Disease incidence]	2,99E-06	1,07E-06	5,62E-08	7,42E-07	1,00E-08	0,00E+00	1,36E-07	0,00E+00	4,58E-11	7,76E-08	2,57E+00	0,00E+00	-4,48E-07
IRP (2)	[kBq U235 eq.]	5,03E+00	2,66E-01	4,42E-01	1,84E-01	2,11E-03	0,00E+00	8,05E-02	0,00E+00	4,15E-04	1,92E-02	5,13E-03	0,00E+00	-3,26E+00
ETP-fw (1)	[CTUe]	2,48E+02	4,41E+01	1,07E+01	3,86E+01	5,69E+00	0,00E+00	2,90E+01	0,00E+00	7,92E-03	4,03E+00	6,18E+00	0,00E+00	-7,95E+01
HTP-c (1)	[CTUh]	5,72E-07	8,05E-08	6,68E-09	7,15E-08	1,59E-09	0,00E+00	9,57E-09	0,00E+00	5,41E-12	7,48E-09	1,74E-01	0,00E+00	-7,78E-08
HTP-mc (1)	[CTUh]	2,08E-06	1,14E-07	5,94E-08	9,18E-08	1,38E-08	0,00E+00	8,83E-08	0,00E+00	3,89E-11	9,60E-09	3,36E+01	0,00E+00	-3,22E-07
SQP (1)	-	5,73E+03	1,59E+02	6,95E+00	8,56E+01	3,70E-01	0,00E+00	4,78E+01	0,00E+00	3,26E-02	8,95E+00	1,63E+00	0,00E+00	-2,51E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-mc = Human toxicity - non cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 420x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	1,35E+03	3,30E+00	1,07E+02	2,43E+00	5,47E+01	0,00E+00	2,49E+01	0,00E+00	2,88E-02	2,54E-01	4,35E+02	0,00E+00	-2,19E+02
PERM	[MJ]	7,35E+02	0,00E+00	-1,02E+02	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-5,79E+02	0,00E+00	0,00E+00
PERT	[MJ]	2,09E+03	3,30E+00	4,82E+00	2,43E+00	2,88E-02	0,00E+00	2,49E+01	0,00E+00	2,88E-02	2,54E-01	1,10E+00	0,00E+00	-2,19E+02
PENRE	[MJ]	3,91E+02	1,59E+02	4,74E+01	1,29E+02	2,15E+01	0,00E+00	2,39E+01	0,00E+00	1,83E-02	1,34E+01	1,35E+01	0,00E+00	-4,86E+02
PENRM	[MJ]	3,65E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,44E+02	0,00E+00	0,00E+00
PENRT	[MJ]	7,56E+02	1,59E+02	4,74E+01	1,29E+02	1,83E-02	0,00E+00	2,39E+01	0,00E+00	1,83E-02	1,34E+01	4,43E+01	0,00E+00	-4,86E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	3,83E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	8,08E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m ³]	4,75E-01	2,67E-02	7,88E-02	1,90E-02	3,86E-03	0,00E+00	1,00E-01	0,00E+00	6,84E-05	1,99E-03	1,07E-01	0,00E+00	-5,36E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 420x128x74														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	5,42E+01	1,86E-01	7,96E-02	1,41E-01	6,40E-02	0,00E+00	1,43E-01	0,00E+00	3,57E-05	1,47E-02	4,02E+00	0,00E+00	-3,98E-01
NHWD	[kg]	7,13E+01	1,81E+00	7,14E+00	1,56E+00	4,88E+00	0,00E+00	3,35E+00	0,00E+00	3,82E-04	1,63E-01	1,21E+02	0,00E+00	-4,05E+00
RWD	[kg]	3,29E-02	6,64E-05	1,09E-04	4,57E-05	5,24E-07	0,00E+00	2,03E-05	0,00E+00	9,45E-08	4,78E-06	1,01E-03	0,00E+00	-7,45E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	1,29E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,01E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	1,15E+01	0,00E+00	1,01E+01	0,00E+00	4,90E-01	0,00E+00	0,00E+00	0,00E+00	5,66E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	2,30E+01	0,00E+00	2,01E+01	0,00E+00	9,56E-01	0,00E+00	0,00E+00	0,00E+00	1,14E+02	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

A-Table 420x128x90

Core environmental impacts per A-Table 420x128x90														
Indicator	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
GWP-total	kg CO2 eq.	-4,88E+01	1,25E+01	1,42E+01	1,02E+01	3,90E+01	0,00E+00	2,07E+00	0,00E+00	1,24E-03	1,07E+00	8,96E+01	0,00E+00	-3,32E+01
GWP-fossil	kg CO2 eq.	4,22E+01	1,25E+01	3,88E+00	1,02E+01	1,67E+00	0,00E+00	1,49E+00	0,00E+00	1,16E-03	1,07E+00	4,60E+01	0,00E+00	-3,26E+01
GWP-biogenic	kg CO2 eq.	-9,11E+01	9,65E-03	1,03E+01	7,06E-03	3,73E+01	0,00E+00	2,70E-04	0,00E+00	7,27E-05	7,40E-04	4,36E+01	0,00E+00	-5,65E-01
GWP-luluc	kg CO2 eq.	1,32E-01	4,91E-03	5,07E-04	3,38E-03	3,82E-05	0,00E+00	5,85E-01	0,00E+00	4,93E-06	3,54E-04	1,44E-03	0,00E+00	-3,95E-02
ODP	kg CFC 11 eq.	2,59E-06	2,55E-07	5,35E-08	2,03E-07	1,76E-09	0,00E+00	1,99E-06	0,00E+00	2,49E-11	2,12E-08	5,42E-07	0,00E+00	-1,19E-06
AP	mol H+ eq.	1,77E-02	3,28E-02	1,42E-02	2,12E-02	1,18E-03	0,00E+00	9,42E-03	0,00E+00	6,98E-06	7,22E-03	3,56E-02	0,00E+00	-7,15E-02
EP-freshwater	kg P eq.	1,77E-02	9,54E-04	1,63E-03	6,90E-04	2,41E-05	0,00E+00	3,94E-04	0,00E+00	8,54E-07	7,23E-05	3,70E-03	0,00E+00	-6,93E-03
EP-marine	kg N eq.	5,31E-02	9,37E-03	3,10E-03	5,10E-03	6,02E-04	0,00E+00	6,35E-03	0,00E+00	1,26E-06	5,34E-04	2,15E-02	0,00E+00	-1,64E-02
EP-terrestrial	mol N eq.	5,16E-01	1,01E-01	3,12E-02	5,50E-02	5,54E-03	0,00E+00	2,95E-02	0,00E+00	1,51E-05	5,76E-03	1,60E-01	0,00E+00	-1,87E-01
POCP	kg NMVOC eq.	1,72E-01	5,42E-02	9,11E-03	3,53E-02	1,40E-03	0,00E+00	6,69E-03	0,00E+00	3,78E-06	3,70E-03	4,12E-02	0,00E+00	-7,41E-02
ADPm	kg Sb eq.	6,13E-04	3,65E-05	2,86E-05	3,40E-05	3,77E-07	0,00E+00	1,48E-05	0,00E+00	3,66E-08	3,56E-06	1,38E-05	0,00E+00	-2,90E-04
ADPF	mJ	3,51E+02	1,84E+02	5,26E+01	1,43E+02	1,04E+00	0,00E+00	1,85E+01	0,00E+00	1,87E-02	1,50E+01	1,16E+01	0,00E+00	-5,21E+02
WDPI(1)	M3 world eq. dep.	2,14E+01	9,74E-01	7,01E-01	7,01E-01	2,81E-01	0,00E+00	2,50E+00	0,00E+00	2,10E-03	7,34E-02	5,31E+00	0,00E+00	-1,68E+01
Caption	GWP-total = Global Warming Potential - total; GWP-fossil = Global Warming Potential - fossil fuels; GWP-biogenic = Global Warming Potential - biogenic; GWP-luluc = Global Warming Potential - land use and land use change; ODP = Ozone Depletor; AP = Acidfactors; EP-freshwater = Eutrophication - aquatic freshwater; EP-marine = Eutrophication - aquatic marine; EP-terrestrial = Eutrophication - terrestrial; POCP = Photochemical ozone formation; ADPm = Abiotic Depletion Potential - minerals and metals; ADPF = Abiotic Depletion Potential - fossil fuels; WDP = water use													
Disclaimer	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.													

Additional environmental impacts per A-Table 420x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PM [Disease incidence]		3,06E-06	1,12E-06	5,99E-08	7,50E-07	1,00E-08	0,00E+00	1,36E-07	0,00E+00	4,58E-11	7,86E-08	2,57E+00	0,00E+00	-4,55E-07
IRP (2)	[kBq U235 eq.]	5,06E+00	2,77E-01	4,70E-01	1,86E-01	2,11E-03	0,00E+00	8,05E-02	0,00E+00	4,15E-04	1,95E-02	5,41E-03	0,00E+00	-3,31E+00
ETP-fw (1)	[CTUe]	2,50E+02	4,61E+01	1,14E+01	3,90E+01	5,69E+00	0,00E+00	2,90E+01	0,00E+00	7,92E-03	4,09E+00	6,50E+00	0,00E+00	-8,07E+01
HTP-c (1)	[CTUh]	5,74E-07	8,41E-08	7,12E-09	7,23E-08	1,59E-09	0,00E+00	9,57E-09	0,00E+00	5,41E-12	7,58E-09	1,74E-01	0,00E+00	-7,89E-08
HTP-mc (1)	[CTUh]	2,09E-06	1,19E-07	6,32E-08	9,28E-08	1,38E-08	0,00E+00	3,83E-08	0,00E+00	3,89E-11	9,73E-09	3,36E+01	0,00E+00	-3,27E-07
SQP (1)		6,07E+03	1,67E+02	7,40E+00	8,66E+01	3,70E-01	0,00E+00	4,78E+01	0,00E+00	3,26E-02	9,07E+00	1,70E+00	0,00E+00	-2,55E+02
Caption	PM = Particulate Matter emissions; IRP = Ionizing radiation - human health; ETP-fw = Eco toxicity - freshwater; HTP-c = Human toxicity - cancer effects; HTP-mc = Human toxicity - non-cancer effects; SQP = Soil Quality													
Disclaimers	(1) The results of this environmental indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator. (2) This impact category deals mainly with the eventual impact of low dose ionizing radiation on human health of the nuclear fuel cycle. It does not consider effects due to possible nuclear accidents, occupational exposure nor due to radioactive waste disposal in underground facilities. Potential ionizing radiation from the soil, from radon and from some construction materials is also not measured by this indicator.													

Resource use per A-Table 420x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
PERE	[MJ]	1,42E+03	3,43E+00	1,14E+02	2,46E+00	5,47E+01	0,00E+00	2,49E+01	0,00E+00	2,88E-02	2,58E-01	4,63E+02	0,00E+00	-2,22E+00
PERM	[MJ]	7,70E+02	0,00E+00	-1,09E+02	0,00E+00	-5,46E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-6,06E+02	0,00E+00	0,00E+00
PERT	[MJ]	2,19E+03	3,43E+00	5,13E+00	2,46E+00	2,88E-02	0,00E+00	2,49E+01	0,00E+00	2,88E-02	2,58E-01	1,10E+00	0,00E+00	-2,22E+02
PENRE	[MJ]	3,94E+02	1,67E+02	5,05E+01	1,30E+02	2,15E+01	0,00E+00	2,39E+01	0,00E+00	1,83E-02	1,36E+01	1,35E+01	0,00E+00	-4,93E+02
PENRM	[MJ]	3,65E+02	0,00E+00	0,00E+00	0,00E+00	-2,14E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	-3,44E+02	0,00E+00	0,00E+00
PENRT	[MJ]	7,59E+02	1,67E+02	5,05E+01	1,30E+02	1,83E-02	0,00E+00	2,39E+01	0,00E+00	1,83E-02	1,36E+01	4,43E+01	0,00E+00	-4,93E+02
SM	[kg]	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
RSF	[MJ]	3,83E+02	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
NRSF	[MJ]	8,08E-01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
FW	[m3]	4,76E-01	2,79E-02	8,39E-02	1,93E-02	3,86E-03	0,00E+00	1,00E-01	0,00E+00	6,84E-05	2,02E-03	1,08E-01	0,00E+00	-5,44E-01
Caption	PERE = Use of renewable primary energy excluding renewable primary energy resources used as raw materials; PERM = Use of renewable primary energy resources used as raw materials; PERT = Total use of renewable primary energy resources; PENRE = Use of non renewable primary energy excluding non renewable primary energy resources used as raw materials; PENRM = Use of non renewable primary energy resources used as raw materials; PENRT = Total use of non renewable primary energy resources; SM = Use of secondary material; RSF = Use of renewable secondary fuels; NRSF = Use of non renewable secondary fuels; FW = Net use of fresh water													

Waste categories and output flows per A-Table 420x128x90														
Parameter	Unit	A1	A2	A3	A4	A5	B1	B2	B3-B7	C1	C2	C3	C4	D
HWD	[kg]	5,42E+01	1,95E-01	8,49E-02	1,42E-01	6,40E-02	0,00E+00	1,43E-01	0,00E+00	3,57E-05	1,49E-02	4,03E+00	0,00E+00	-4,04E-01
NHWD	[kg]	7,14E+01	1,89E+00	7,63E+00	1,58E+00	4,88E+00	0,00E+00	3,35E+00	0,00E+00	3,82E-04	1,65E-01	1,22E+02	0,00E+00	-4,11E+00
RWD	[kg]	3,29E-02	6,90E-05	1,16E-04	4,62E-05	5,24E-07	0,00E+00	2,03E-05	0,00E+00	9,45E-08	4,84E-06	1,01E-03	0,00E+00	-7,56E-04
CRU	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	2,11E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
MFR	[kg]	1,29E+01	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	1,01E+00	0,00E+00	0,00E+00
MER	[kg]	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00	0,00E+00
EEE	[MJ]	0,00E+00	0,00E+00	1,22E+01	0,00E+00	1,01E+01	0,00E+00	4,90E-01	0,00E+00	0,00E+00	0,00E+00	5,97E+01	0,00E+00	0,00E+00
EET	[MJ]	0,00E+00	0,00E+00	2,46E+01	0,00E+00	2,01E+01	0,00E+00	9,56E-01	0,00E+00	0,00E+00	0,00E+00	1,20E+02	0,00E+00	0,00E+00
Caption	HWD = Hazardous waste disposed; NHWD = Non hazardous waste disposed; RWD = Radioactive waste disposed; CRU = Components for re-use; MFR = Materials for recycling; MER = Materials for energy recovery; EEE = Exported electrical energy; EET = Exported thermal energy													

Biogenic carbon content at catory gate

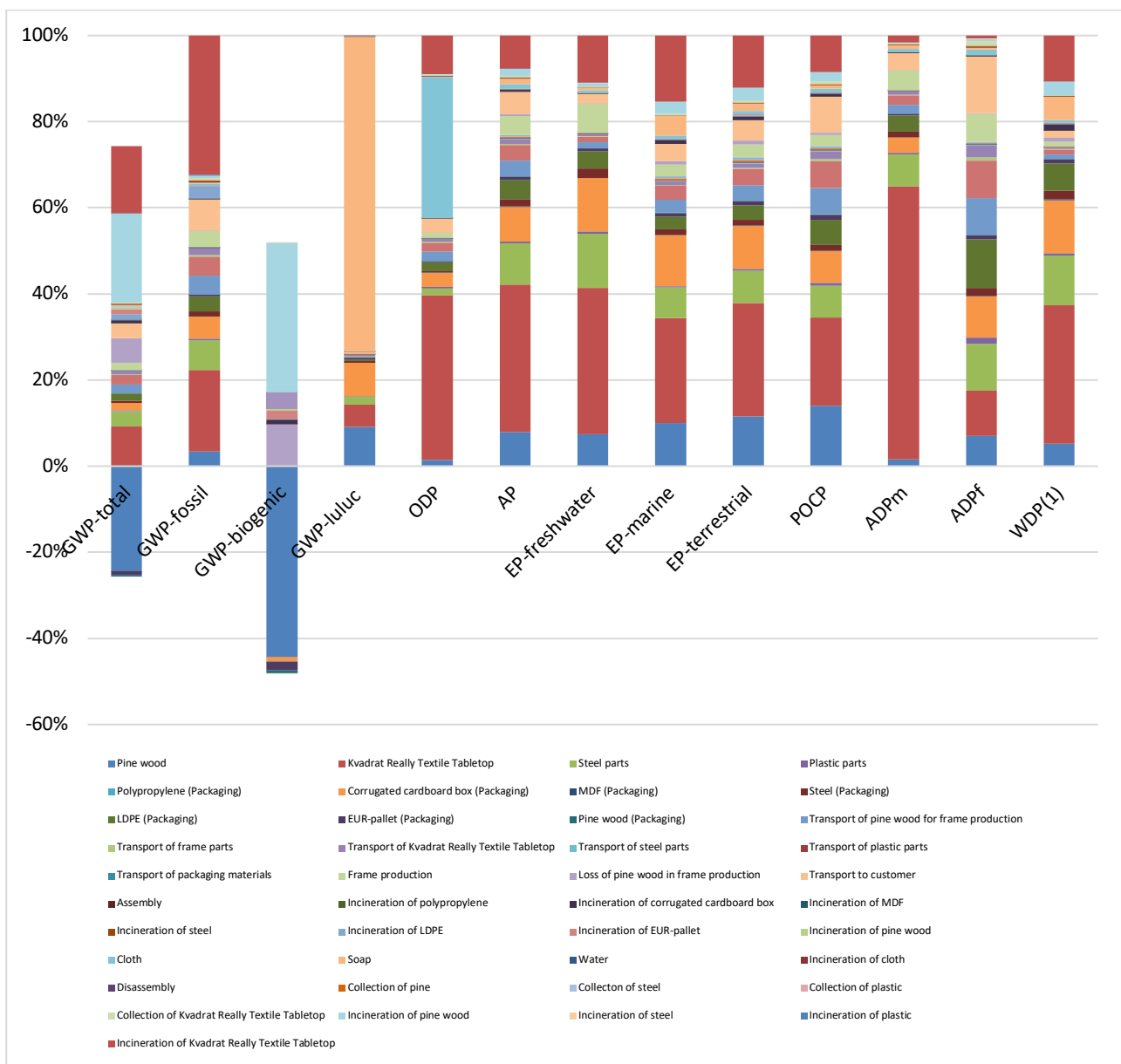
		Biogenic carbon content per:															
		200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90
Parameter	Unit	At the factory gate															
Biogenic carbon content in product	[kg C]	6,18	6,65	6,42	6,90	6,18	6,65	6,42	6,90	6,64	7,35	7,00	7,72	10,86	11,56	11,22	11,94
Biogenic carbon content in accompanying packaging	[kg C]	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21	10,21
Note		1 kg biogenic carbon is equivalent to 44/12 kg of CO ₂															

Additional information

LCA interpretation

The figure below shows a contribution analysis of the A-Table 200x103x74. The different colors represent the various raw materials and processes, and the size of each color on the bar indicates the significance of the raw material or process for each environmental impact category. The figure is a 100% stacked chart, and therefore does not express the absolute size of the impact of the different environmental impact categories, but rather the relative size, i.e., the percentage contribution of the various raw materials or processes to the different environmental impact categories.

Overall, the production of the Kvadrat Really Textile Tabletop is the process that contributes the most to the majority of impact categories. This is understandable given that it is included in this study as a semi-finished product and constitutes a significant portion of the overall weight of the table. For the impact categories where the tabletop does not account for the majority of the contribution, there is considerable variation in which processes contribute the most.



Technical information on scenarios

Transport to the building site (A4)

	200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90	
Scenario information	Value																Unit
Fuel type	Diesel																-
Vehicle type	transport, freight, lorry 16-32 metric ton, EURO6																-
Transport distance	333																km
Capacity utilisation (including empty runs)	24,67																%
Gross density of products transported	-																kg/m3

Installation of the product in the building (A5)

	200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90	
Scenario information	Value																Unit
Ancillary materials	0,00																kg
Water use	0,00																m3
Other resource use	0,00																kg
Energy type and consumption	0,01																kWh
Waste materials	4,63																kg
Output materials	0,00																kg
Direct emissions to air, soil or water	0,00																kg

Reference service life

RSL information		Unit
Reference service life		15 Years
Declared product properties	Materials: Kvadrat Really Textile Tabletop, pine wood, steel, plastic.	As appropriate
Design application parameters	Assembled with a handheld drill.	As appropriate
Assumed quality of work	-	As appropriate
Outdoor environment	No	As appropriate
Indoor environment	Yes	As appropriate
Usage conditions	Daily use	As appropriate
Maintenance	Cleaning of tabletop with a cloth and luke warm soap water.	As appropriate

Use (B1-B7)

B2 - Maintenance		Cleaning of tabletop															
		200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90
Maintenance process		Cleaning of tabletop															
Maintenance cycles per year		52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14	52,14
Ancillary materials for maintenance (specify which)	Polyester [kg]	0,05	0,05	0,06	0,06	0,05	0,05	0,07	0,07	0,07	0,07	0,09	0,09	0,10	0,10	0,12	0,12
	Soap [kg]	0,16	0,16	0,20	0,20	0,18	0,18	0,23	0,23	0,23	0,23	0,29	0,29	0,33	0,33	0,42	0,42
Waste materials resulting from maintenance (specify which)	Polyester [kg]	0,05	0,05	0,06	0,06	0,05	0,05	0,07	0,07	0,07	0,09	0,09	0,10	0,10	0,12	0,12	0,12
Net freshwaterconsumption during maintenance [kg]		15,88	15,88	19,79	19,79	18,26	18,26	22,76	22,76	23,50	23,50	29,29	29,29	33,34	33,34	41,56	41,56
Energy input during maintenance		0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00

End of life (C1-C4)

	200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90	Unit
Scenario information	Value																Unit
Collected separately	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	EUR
Collected with mixed waste	56,07	57,25	66,43	67,63	62,01	63,19	73,85	75,05	76,92	78,69	92,27	94,07	112,10	113,87	133,52	135,32	EUR
For reuse	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	EUR
For recycling	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	EUR
For energy recovery	56,07	57,25	66,43	67,63	62,01	63,19	73,85	75,05	76,92	78,69	92,27	94,07	112,10	113,87	133,52	135,32	EUR
For final disposal	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	EUR
Assumptions for scenario development	100% incineration																

Re-use, recovery and recycling potential (D)

	200x103x74	200x103x90	200x128x74	200x128x90	230x103x74	230x103x90	230x128x74	230x128x90	296x103x74	296x103x90	296x128x74	296x128x90	420x103x74	420x103x90	420x128x74	420x128x90	Unit
Scenario information/ material	Value																Unit
Displaced electricity, modelled as DK market mix	99,71	92,11	104,46	107,08	97,87	100,38	114,77	117,38	121,90	125,66	143,92	147,84	174,50	178,27	204,94	208,87	EUR
Displaced thermal energy, modelled as natural gas	202,46	187,41	212,78	218,04	199,31	204,36	233,91	239,17	248,34	255,91	293,41	301,31	355,48	363,06	417,82	425,72	EUR


Indoor air

The EPD does not give information on release of dangerous substances to indoor air because the horizontal standards on the relevant measurements are not available. Read more in EN15804+A1 chapter 7.4.1.

Soil and water

The EPD does not give information on release of dangerous substances to soil and water because the horizontal standards on the relevant measurements are not available. Read more in EN15804+A1 chapter 7.4.2.

References

<p>Publisher</p>	<p> epddanmark www.epddanmark.dk <small>Template version 2023.2</small></p>
<p>Programme operator</p>	<p>Danish Technological Institute Gregersensvej DK-2630 Taastrup www.teknologisk.dk</p>
<p>LCA-practitioner</p>	<p><i>Jonas Bak Christensen Quantified Impacts ApS Gammel Køge Landevej 55 DK-2500 Valby www.quantifiedimpacts.com</i></p>
<p>LCA software /background data</p>	<p><i>openLCA 2.0.4 ecoinvent v3.10 EN 15804 EN 15804 reference package 3.1</i></p>
<p>3rd party verifier</p>	<p><i>David Althoff Palm Dalemarken AB david@dalemarken.dk www.dalemarken.dk</i></p>

General programme instructions

General Programme Instructions, version 2.0, spring 2020
www.epddanmark.dk

EN 15804

DS/EN 15804 + A2:2019 - "Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products"

PCR for furniture

NPCR 026:2022 – "Part B for Furniture (references to EN 15804 +A2)"

EN 15942

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ISO 14025

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ISO 14040

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ISO 14044

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