

# Change Log: openLCA LCIA method pack v2.o.4 to v2.o.5

## ANNEX A

Mapping of old names to new names for the elementary flows from openLCA LCIA v2.o.4 to v2.o.5 is provided below.

- Changes in 'Emission to air' category

FLOW_UUID	OLD NAME	NEW NAME	SUBCATEGORY
efc4290c-1404-4e01-8b5e-e75c6d90615c	Butanol	1-Butanol	high population density
4a6af581-af93-4d79-9f45-a5c43f463bbb	Propanol	1-Propanol	high population density
79a87f98-ob00-4e7e-86f8-70667307f696	2-Methyl-2-butene	2-Butene, 2-methyl-	high population density
9645e02f-855a-4b9f-8baf-f34a08fa80c4	Benzene, dichloro	Benzene, 1,2-dichloro-	high population density
a4420691-4666-4855-9124-3030ed233407	o-Nitrotoluene	Benzene, 1-methyl-2-nitro-	high population density
237a5f15-8119-472a-8988-88b7ecb42405	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	high population density
baf58fc9-573c-419c-8c16-831ac03203b9	Methane, biogenic	Methane, non-fossil	high population density
7238734e-18ef-4759-914d-61e9ed11bd4e	Methyl amine	Methylamine	high population density
6de0feb6-78c5-4ee3-bf58-8e68bc7c67b3	Methyl pentane	Pentane, 2-methyl-	high population density
6f13e014-fd44-449b-83b5-1f340cbe492b	3-Methyl pentane	Pentane, 3-methyl-	high population density
e4f501bb-02e2-4562-be3c-5a047b6d2581	Phenol, 2,4-dichloro	Phenol, 2,4-dichloro-	high population density
bo0950bc-99cb-4ee2-bbco-5f878ea170c3	Sulphur trioxide	Sulfur trioxide	high population density
a3833724-a816-4c9e-b6fd-ac43e8aeadc2	Toluene, 2-chloro	Toluene, 2-chloro-	high population density
5d368100-b1bc-4456-8420-e469edccf349	Water	Water/m3	high population density
29bfab29-oado-47da-b5b9-a76328ba5a64	Propanol	1-Propanol	low population density
ob2a8601-aa6e-42e9-8091-21cba87cofoc	2,4-DB	Butyric acid, 4-(2,4-dichlorophenoxy)-	low population density
78eb1859-abd9-44c6-9ce3-f3b5b33d619c	Carbon dioxide, land transformation	Carbon dioxide, from soil or biomass stock	low population density
f77c5e36-ee47-4437-b757-03139bb1d6d6	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	low population density

57bdb443-d4a6-423d-8024-959b8261do2e	Methane, biogenic	Methane, non-fossil	low population density
7ae398co-8532-11eo-9d78-o8oo2ooc9a66	Parathion-methyl	Parathion, methyl	low population density
09872o8o-d143-4fb1-a3a5-647bo77io7ff	Water	Water/m3	low population density
e69dfe04-4b45-4e87-a6ce-o8b1af61ca22	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	low population density, long-term
13825fb9-6e24-4o9a-bfcd-5dc4fd61ef98	Sulphur trioxide	Sulfur trioxide	low population density, long-term
f977ao2e-3564-4798-843c-9fb9a18bc18b	Water	Water/m3	low population density, long-term
f14b59ff-d438-442d-8bad-b53694b8263a	Water	Water/m3	lower stratosphere + upper troposphere
e4e9febc-o7c1-4o3d-8d3a-67o7bb4d96e6	Carbon dioxide, land transformation	Carbon dioxide, from soil or biomass stock	unspecified
eba59fd6-f37e-41dc-9ca3-c7ea22d6o2c7	Carbon dioxide, biogenic	Carbon dioxide, non-fossil	unspecified
o829o3e4-45d8-4o78-94cb-736b15279277	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	Dioxin, 2,3,7,8 Tetrachlorodibenzo-p-	unspecified
856354ed-217c-4o27-a861-9b86136fa18f	Dichloroethane	Ethane, dichloro-	unspecified
o125d4oc-b7e8-4f98-a5ac-o9115efeb568	Hydrocyanic acid	Hydrogen cyanide	unspecified
da1157e2-7593-4dfd-8odd-a3449b37a4d8	Methane, biogenic	Methane, non-fossil	unspecified
bo9ea5f4-2f35-45a4-84fd-28foe352919a	N,N-Dimethylnitroamine	N-Nitrodimethylamine	unspecified
o8a91e7o-3ddc-11dd-994b-oo5oc249oo48	2,2,4-trimethylpentane	Pentane, 2,2,4-trimethyl-	unspecified
d45eedoa-e6oa-46bb-a769-494fo37c71bc	Phenol, 2,4-dichloro	Phenol, 2,4-dichloro-	unspecified
3268d8df-59cc-474o-a89f-dee8355ad7c3	Sulphur trioxide	Sulfur trioxide	unspecified
o75e433b-4be4-448e-951o-9a5o29c1ce94	Water	Water/m3	unspecified

- Changes in 'Emission to soil' category

FLOW_UUID	OLD NAME	NEW NAME	SUBCATEGORY
48c8454e-6ae2-4fco-8edb-42o28857c6co	1H-PURIN-6-AMINE, N-(PHENYLMETHYL)-	1h-Purin-6-amine, n-(phenylmethyl)-	agricultural
e5492922-eaf5-44o9-aa49-7f2a35cd0336	MCPA	2-Methyl-4-chlorophenoxyacetic acid	agricultural
188f37e4-3fea-43f7-b2a2-o7bfe3o86e4f	Alcohols, C12-14, ethoxylated	Alcohols, c12-14, ethoxylated	agricultural
beo51f79-bo94-438e-b8o8-o9fb29fdbo4e	BENFURACARB	Benfuracarb	agricultural
do51c442-f2o6-4d7o-844d-7d44dbbc3d8e	2,4-DB	Butyric acid, 4-(2,4-dichlorophenoxy)-	agricultural
feoacd6o-3ddc-11dd-b147-oo5oc249oo48	CHLORMEPHOS	Chlormephos	agricultural

e8bc4c9e-c34f-4983-aeao-2433f3397a3a	Chlorotoluron	Chlortoluron	agricultural
31913320-21f3-4cc2-boga-a15ac9b65f5e	Dithianon	Dithianone	agricultural
feoacd60-3ddc-11dd-a4b1-0050c2490048	fenthion	Fenthion	agricultural
299f371a-61c1-4ea2-8c38-901aa74acf7d	Iprodion	Iprodione	agricultural
da35a4bo-4f91-4a32-8e67-5eco88d81eb2	ISOPROCARB	Isoprocab	agricultural
78f79aef-9c48-4408-bdb9-4df62f7a3cc7	isoxaben	Isoxaben	agricultural
d6babcc1-60b3-4222-ae26-ba3bb6bb4c84	METOXURON	Metoxuron	agricultural
ef4884eb-c75d-4ef8-9170-11b20401cbca	MSMA	Monosodium acid methanearsonate	agricultural
83cc3810-ac58-40a3-97af-04a855d4c809	Oxydemeton-methyl	Oxydemeton methyl	agricultural
od421883-2e26-4d93-b2dd-80060acbb3c1	Parathion-methyl	Parathion, methyl	agricultural
92681c17-2514-4151-aabf-baee3fd8e5f5	tau-Fluvalinate	Tau-fluvalinate	agricultural
423112a9-b4c4-4041-8854-57bffde7b9cc	Thiophanat-methyl	Thiophanate-methyl	agricultural
a4f6fc6c-6024-3e4e-bb5c-3530a90bc25e	Triazoxid	Triazoxide	agricultural
d41ee922-fa80-45e3-a317-3e9b72ee385d	Oils, biogenic	Oils, non-fossil	forestry
be4835bf-5252-48c1-be48-14f59d533bbd	Oils, biogenic	Oils, non-fossil	industrial
59ccc9b2-5dd9-4eae-8e7c-dd713398b85d	MCPA	2-Methyl-4-chlorophenoxyacetic acid	unspecified
de6d6389-0812-45fc-gda2-532247f668f9	Carfentrazone ethyl ester	Carfentrazone-ethyl	unspecified
cc2dea9a-d7d6-4a49-ba36-e86d79be23e8	Fluazifop-p-butyl	Fluazifop-P-butyl	unspecified
66141d9c-4c71-4697-9516-fa30ac4d5588	Glufosinate-ammonium	Glufosinate ammonium	unspecified
aafo8c98-cbc1-4756-8816-c84157a7a8co	Parathion-methyl	Parathion, methyl	unspecified
b9238df3-cb1a-4ee0-a3da-4485b83471of	VERNOLATE	Vernolate	unspecified

- Changes in 'Emission to water' category

FLOW_UUID	OLD NAME	NEW NAME	SUBCATEGORY
68f64fd1-01f5-43b4-b191-0aebfffcf293	2,4-DB	Butyric acid, 4-(2,4-dichlorophenoxy)-	ground water
4ef306fo-7a60-4476-8cbf-483a862da6a	Butanol	1-Butanol	river
95beee2f-fe09-4eao-8b98-2354fdfo46f5	Propanol	1-Propanol	river
o467cf4c-58d2-4c61-9b5c-829060035986	MCPA	2-Methyl-4-chlorophenoxyacetic acid	river
agd388cf-87e7-4082-gecb-5odfi8ddffb2	Benzene, dichloro	Benzene, 1,2-dichloro-	river
4ea73bd6-64d8-3cb4-b278-50e7de01e84	ISOPROCARB	Isoprocab	river

93542876-9c52-4cfb-96bo-acd82e5d15e8	Methyl amine	Methylamine	river
b4fcfc41-167a-478a-ae5f-2a3551f4deeo	Toluene, 2-chloro	Toluene, 2-chloro-	river
9c85d486-7e08-4d6f-be81-ab66f4f20717	2-Chloro-1-phenylethanone	2-Chloroacetophenone	unspecified
3c054041-3c55-42b3-a967-fea45c8ff8b5	ethylenediaminetetraacetic acid	EDTA	unspecified
8c2bf1ao-8969-4f51-8a9f-9ce002670oc1	Dichloroethane	Ethane, dichloro-	unspecified
47bf8e85-ddoa-4b61-b933-cfie18f34d1e	lithium	Lithium	unspecified
3fea8ccd-a25e-417a-88ff-07e344ad3dfd	dimethyl terephthalate (dmt)	Terephthalate, dimethyl	unspecified
c9eaca71-6924-483f-9e86-51265bcoegef	Water/kg	Water	unspecified

- Changes in 'Resource' category

FLOW_UUID	OLD NAME	NEW NAME	SUBCATEGORY
cc6a1abb-b123-4ca6-8f16-38209df609be	Carbon dioxide	Carbon dioxide, in air	in air
8c2fe757-6866-4ed2-9f89-81012ad774ao	Carbon, in organic matter, in soil	Carbon, organic, in soil or biomass stock	in ground
b6d0042d-0ef8-49ed-9162-ao7ff1ccf75o	Coal, hard, unspecified	Coal, hard	in ground
9b69a732-a021-42eb-9f38-6cc9d9b83d72	gallium	Gallium	in ground
3ed5f377-344f-423a-b5ec-9a9a1162b944	Gas, mine, off-gas, process, coal mining	Gas, mine, off-gas, process, coal mining/m3	in ground
7c337428-fb1b-45c7-bbb2-2ee4d29e17ba	Gas, natural	Gas, natural/m3	in ground
61341186-aac8-4088-a2b7-ba50093bab6c	Bromine, 0.0023% in water	Bromine, 0.23% in water	in water
20519748-a68f-33e6-a3d7-e7424fada99e	Occupation, sea and ocean	Occupation, seabed, unspecified	in water
c5aafa60-495c-461c-a1d4-b262a34c45b9	Occupation, arable	Occupation, annual crop	land
a6889a22-e99e-42ea-85cd-4a68d7975dcd	Occupation, arable, non-irrigated	Occupation, annual crop, non-irrigated	land
1boa8570-eab4-46c2-9b67-c9b918e75676	Occupation, arable, non-irrigated, diverse-intensive	Occupation, annual crop, non-irrigated, extensive	land
e063ee9c-9850-42b5-bo1e-4cc9b5ad7152	Occupation, arable, non-irrigated, monotone-intensive	Occupation, annual crop, non-irrigated, intensive	land
5d615a38-6doa-4f3a-8973-69b333b6e814	Occupation, arable, non-irrigated, fallow	Occupation, cropland fallow (non-use)	land
2925111b-3464-4e34-9d02-b73c1c033e91	Occupation, tropical rain forest	Occupation, forest, extensive	land
aca1714f-0040-4a65-a73a-0e38aa9f50f4	Occupation, forest, intensive, normal	Occupation, forest, intensive	land
b91d0527-9a01-4a86-b420-c62b70629ba4	Occupation, forest	Occupation, forest, unspecified	land
fe9c3a98-a6d2-452d-a9a4-a13e64f1b95b	Occupation, industrial area, built up	Occupation, industrial area	land
69dfa439-8e4e-4cae-bboc-85a8aa8b9a73	Occupation, water bodies, artificial	Occupation, lake, artificial	land
59ded913-17fe-4b3e-8ocb-79b97cdbef9a	Occupation, pasture and meadow	Occupation, pasture, man made	land

19f84b2e-e6ff-4351-ba3a-8b65ofc2od14	Occupation, pasture and meadow, extensive	Occupation, pasture, man made, extensive	land
98b723d4-3362-4b38-8b1e-1bedacfd5e27	Occupation, pasture and meadow, intensive	Occupation, pasture, man made, intensive	land
1896b498-8d13-4f58-8c17-21fe57740158	Occupation, permanent crop, fruit	Occupation, permanent crop, irrigated	land
7e7d6ebb-8c9c-4ecb-b64b-23a8c2c9o8c4	Occupation, permanent crop, fruit, extensive	Occupation, permanent crop, irrigated, extensive	land
3afbc2d8-1b51-4d43-87a7-e68291c1e999	Occupation, permanent crop, fruit, intensive	Occupation, permanent crop, irrigated, intensive	land
18636f13-f552-4136-a353-3b5a8e5f87d1	Occupation, permanent crop, vine	Occupation, permanent crop, non-irrigated	land
f318deb8-ac36-47c0-bb00-e3022b583c7e	Occupation, permanent crop, vine, extensive	Occupation, permanent crop, non-irrigated, extensive	land
c9461a73-d00a-4fc7-a890-ageda6af3185	Occupation, permanent crop, vine, intensive	Occupation, permanent crop, non-irrigated, intensive	land
70c4c6d8-ed81-4763-ae6d-39e54ef0b1fa	Occupation, dump site, benthos	Occupation, seabed, drilling and mining	land
9db06277-b6d9-4c48-8cfb-de342e928a50	Occupation, industrial area, benthos	Occupation, seabed, infrastructure	land
7af0b1a6-2e8f-407a-8ac7-bo2a2023155b	Occupation, sea and ocean	Occupation, seabed, unspecified	land
c7cb5880-4219-4051-9357-10fdd08c6f2b	Occupation, unknown	Occupation, unspecified	land
f05cca02-ec18-4acc-9939-59658ff9a554	Transformation, from arable	Transformation, from annual crop	land
4b420f19-0421-461e-a0b6-7efbf580o89b	Transformation, from arable, non-irrigated	Transformation, from annual crop, non-irrigated	land
c7869c43-266c-429d-bfd5-6b578ed32ce8	Transformation, from arable, non-irrigated, diverse-intensive	Transformation, from annual crop, non-irrigated, extensive	land
ab3e851e-21c9-47cf-8e7d-5f96dfae3ba5	Transformation, from arable, non-irrigated, monotone-intensive	Transformation, from annual crop, non-irrigated, intensive	land
4da2ea28-8273-4901-9931-264169ec7731	Transformation, from arable, non-irrigated, fallow	Transformation, from cropland fallow (non-use)	land
e71f95a5-fd82-4128-gfd1-be3foe85dofc	Transformation, from tropical rain forest	Transformation, from forest, extensive	land
e717f3cc-ac70-4c9b-be56-1614239b917e	Transformation, from forest, intensive, normal	Transformation, from forest, intensive	land
0930b6b8-d9c6-4462-966f-ac7495b63bed	Transformation, from forest	Transformation, from forest, unspecified	land
b6dcefd8-3848-4338-9c3e-fe6e91f20937	Transformation, from industrial area, built up	Transformation, from industrial area	land
2c126bcc-bb63-4d63-bd72-fo2a1e616809	Transformation, from pasture and meadow	Transformation, from pasture, man made	land
82f2476e-988b-4d7a-bde6-5da9337d1f65	Transformation, from pasture and meadow, extensive	Transformation, from pasture, man made, extensive	land
592bf69f-8551-4611-8942-4620beoadabe	Transformation, from pasture and meadow, intensive	Transformation, from pasture, man made, intensive	land
73cba245-5969-4076-8490-75a236073196	Transformation, from permanent crop, fruit	Transformation, from permanent crop, irrigated	land
d585d599-05f1-47ff-8c41-79of5183ob9b	Transformation, from permanent crop, fruit, intensive	Transformation, from permanent crop, irrigated, intensive	land
31e4e26b-a997-4969-963d-243699aca3a8	Transformation, from permanent crop, vine	Transformation, from permanent crop, non-irrigated	land

fa288b80-6ef1-4e80-b534-5c2e5c492fd8	Transformation, from permanent crop, vine, intensive	Transformation, from permanent crop, non-irrigated, intensive	land
bbcdd18c-4d16-4c28-bo31-d988884030a7	Transformation, from industrial area, benthos	Transformation, from seabed, infrastructure	land
928ba839-d6e5-4d1e-b5fd-122998a9bbe2	Transformation, from sea and ocean	Transformation, from seabed, unspecified	land
29630a65-f38c-48a5-9744-c0121f586640	Transformation, from unknown	Transformation, from unspecified	land
c3f83a91-4888-41a4-add9-fd01678a1e5f	Transformation, to arable	Transformation, to annual crop	land
e97b784a-ec09-4b1b-9f14-ccoce9799c9e	Transformation, to arable, non-irrigated	Transformation, to annual crop, non-irrigated	land
91a067cc-543a-4d73-aoco-feb1f8935756	Transformation, to arable, non-irrigated, diverse-intensive	Transformation, to annual crop, non-irrigated, extensive	land
2e52cbfa-94d7-432b-892f-431daa71a6ef	Transformation, to arable, non-irrigated, monotone-intensive	Transformation, to annual crop, non-irrigated, intensive	land
88e8456c-dc23-4bb4-aed5-a4186a2bf77	Transformation, to tropical rain forest	Transformation, to forest, extensive	land
994d61de-fbbo-4187-a4d4-b11c3c2b9102	Transformation, to forest, intensive, normal	Transformation, to forest, intensive	land
bba9f623-5919-4ef3-b98d-c94af1553179	Transformation, to forest	Transformation, to forest, unspecified	land
4624deff-2016-41d4-b2bf-3db8dab88779	Transformation, to industrial area, built up	Transformation, to industrial area	land
84b65d8f-2edd-4ddd-8f68-ca28d1c681bo	Transformation, to water bodies, artificial	Transformation, to lake, artificial	land
7a16b680-6d9a-4db3-a23e-oec64aca5995	Transformation, to pasture and meadow	Transformation, to pasture, man made	land
7464da86-f239-4bef-a778-04d5818bb956	Transformation, to pasture and meadow, extensive	Transformation, to pasture, man made, extensive	land
ec242c43-095c-4b42-8907-eof13573foa4	Transformation, to pasture and meadow, intensive	Transformation, to pasture, man made, intensive	land
a487b7db-318a-46ff-8e52-2837fab777ad	Transformation, to permanent crop, fruit	Transformation, to permanent crop, irrigated	land
93ac2969-a4e9-49b5-8b97-5cbc6b9b2601	Transformation, to permanent crop, fruit, intensive	Transformation, to permanent crop, irrigated, intensive	land
3f8e24d7-3d44-4a47-87of-9e3e74decca4	Transformation, to permanent crop, vine	Transformation, to permanent crop, non-irrigated	land
aa784c1b-odob-4c69-b631-bo45d6ee61af	Transformation, to permanent crop, vine, intensive	Transformation, to permanent crop, non-irrigated, intensive	land
9b5b8c40-38fe-42fb-8130-56c15e485fdo	Transformation, to dump site, benthos	Transformation, to seabed, drilling and mining	land
c7d2cf2d-od21-45f7-9769-bo7f3e53b76a	Transformation, to industrial area, benthos	Transformation, to seabed, infrastructure	land
ebb16be1-8db3-42a2-8123-418787422cfe	Transformation, to sea and ocean	Transformation, to seabed, unspecified	land
512a5356-8059-4772-a43f-42e3c4f3d299	Transformation, to unknown	Transformation, to unspecified	land
8ffbf5bb-f236-49ec-bb37-55b3561798ea	Carbon dioxide	Carbon dioxide, in air	unspecified



## ANNEX B

Mapping of old UUID to new UUID for the elementary flows from openLCA LCIA v2.0.4 to v2.0.5 is provided below.

- Changes in ‘Emission to air’ category

FLOW_UUID_old	FLOW_UUID_new	FLOW	SUBCATEGORY
77dbd17a-5dac-4f22-a84c-1c4ca85af978	b53d3744-3629-4219-be20-980865e54031	Methane	high population density
d3c53fd3-6acf-410f-ad3e-24bb6518dc99	7480ea64-2bb7-4e80-9062-fd24a84335c1	Acrylonitrile	high population density
d1f63fd8-b099-4a82-a575-bd4182f7f9f1	108e9780-646b-448d-903b-609b3f65950b	Butyl acetate	high population density
942786ba-f030-4d8d-9489-bbb7f23ceee0	3dba0484-8e84-4a42-ad11-665d589b56bc	isobutane	high population density
7f81e21c-3cbb-3462-8b2a-ceedc930261c	7c76ca96-5e7e-43be-aa71-a64627cdca23	Dimethyl ether	high population density
70841471-e31a-3c75-9b3f-faf45d8333bo	5d368100-b1bc-4456-8420-e469edccf349	Water/m3	high population density
5a19f395-fd35-3042-94a6-b03d7f511c63	87a6d2cc-251c-4a98-9bac-255e97637ccf	Cyclopentane	high population density
324c8002-da6c-4b87-a8fe-d44e2d9b3oad	85466e0f-e5b5-4084-9338-59e317f7cb09	lithium	high population density
18927e37-f22a-4ae8-835a-4198f76f5eao	2a042136-80fd-4c1c-8996-65a7985497d3	Cyclohexane (for all cycloalkanes)	high population density
9a15eccb-92f7-3aae-8b00-5bb8c73ef10c	6abf9e1a-c33e-49ae-aeae-ab84cee7d2ab	Dimethyl ether	indoor
7ed0c917-a8d2-4dee-8f70-0a5571d27131	7ae371a9-8532-11eo-9d78-0800200c9a66	Carbon dioxide	low population density
15720685-ab3e-4167-904a-3d2992d72ddf	c3de45a3-e6fd-494e-aa85-d352b478e87b	Acetamide	low population density
b84oad05-aa69-47a2-9509-e64e2b3b71b9	5b5879b0-6fbf-48ce-bff3-4292bda15526	Acrylonitrile	low population density
63e7b034-8549-11eo-9d78-0800200c9a66	0822b867-9dca-4d5a-93c3-319d39b592cd	Chlorpyrifos	low population density
63e7b03d-8549-11eo-9d78-0800200c9a66	bc878fc6-d8a0-462f-91e1-11fb93b7928d	Dicamba	low population density
63e76210-8549-11eo-9d78-0800200c9a66	e6137e6e-84a6-4fa1-a5bf-47c8153d7c05	2,4-D	low population density
63e78927-8549-11eo-9d78-0800200c9a66	c63b5ff6-oca1-44a0-92ba-f634fb8373ad	Atrazine	low population density
63e7892f-8549-11eo-9d78-0800200c9a66	8c690557-25ce-48f2-91b9-58126e82aaf6	Bromoxynil	low population density
79eea2b4-9ba1-4a9c-ac90-c930ae6534d5	5c91a905-8d1d-4b84-b207-9b6332b4425e	Butyl acetate	low population density
1391a488-93a2-4ed6-bfe9-bo2a46c24a7e	6a45c705-855a-416d-8459-5fb6521b9b73	Methomyl	low population density
63e76213-8549-11eo-9d78-0800200c9a66	73a06727-fec3-4d8d-8de5-ef1a0cc2c280	Acephate	low population density
63e7d74a-8549-11eo-9d78-0800200c9a66	bd02a7ec-dcb5-4609-bc96-cc7a96601ce2	Glyphosate	low population density
63e7d741-8549-11eo-9d78-0800200c9a66	876d4bb6-badc-4d04-a193-71b68e908737	Ethephon	low population density
4aa30doa-cfdb-48a7-939a-4ba9321ae9df	4f446a20-f1a5-4bde-a7a0-441315db1833	Esfenvalerate	low population density



e54a34a0-odb1-465f-a733-5da305aff158	54287273-55f8-4e8f-a115-8ff1aa5025d3	Cyhalothrin, gamma-	low population density
871cfde5-e75c-42a4-945d-bde431nd4068	6bc58b2a-8d1c-4ebf-aoe7-76bb59ff462a	Lambda-cyhalothrin	low population density
a57333ad-co35-4c1a-808c-oa95f236a411	620d3423-2376-4fcc-bb89-2d468f8b2df8	Cypermethrin	low population density
98af0fc3-e034-4b06-9d9d-b9afd6c5157a	ffaafd3-5deb-4508-9e5f-e47f551ac2b8	Cyfluthrin	low population density
acb7f68d-b120-40fc-8558-661ea44eb382	0b5b83a4-ef85-4db6-a739-79f8e00d5dac	Azoxystrobin	low population density
63e7fe5f-8549-11e0-9d78-0800200c9a66	77fc7d6f-d243-428d-a4f1-19e08364e9da	Permethrin	low population density
5120f43c-1fid-4bdb-ac07-fff1ccb832c6	3563bb9d-4020-4635-890b-6de95036911f	Fluazifop-p-butyl	low population density
07d6526a-f2b6-45a5-8edo-5dff49ocd95e	7c034422-6b7a-49c8-afcf-do2cadce9cd5	Quizalofop-ethyl	low population density
c502d8d5-cd17-41b2-bc28-25bd921bddbc	c1bcea7e-26d9-4714-950b-c425d78179fa	Flumioxazin	low population density
f1f25dee-ffb4-4a1f-8879-09f14fo8fddo	470558a5-494c-4298-8cf8-9a64900b8d65	Lactofen	low population density
9b4410a2-4836-4690-93d1-b6e06b82oece	88f99b72-03aa-4ed5-a3b7-33791ef70932	Sethoxydim	low population density
ab112429-c41d-42c0-a419-e85a68oc3828	b52924d8-e53f-4bd4-bb9e-1902db1784b2	Clethodim	low population density
d4a5e4c5-6d7b-4dff-ae7c-a625014f7401	51dfb4b5-5422-40b7-8692-1ca3559coa8b	Imazaquin	low population density
bcfff622-97c3-4da7-8f27-5d38f4eebe68	65a6b1d7-ced3-4ae3-9789-c82060af6b2f	Tebuconazole	low population density
63e7d759-8549-11e0-9d78-0800200c9a66	b90c9726-20b9-4d44-b169-368273e9a3d4	Metolachlor	low population density
3f91b413-0e2c-4ed1-859f-1a682bb6742e	361176bc-ebe3-4f2b-8905-c87feec17d74	Flumiclorac-pentyl	low population density
52ae5a6f-af5a-4bbc-8a70-426afbe4e11f	334548b2-e05c-4e7b-9746-c27dd2aaa58c	Imazamox	low population density
995e67a8-fcea-4dab-9b95-a40e4bc55976	66288ede-od82-4069-886a-d8b2f38fo128	Imazethapyr	low population density
665ca293-8f54-4d57-9d9b-6fdfad432558	06699be8-f522-427e-89b5-8ad948a39ecb	Propiconazole	low population density
fe78of3a-15c6-4daa-b946-42b575a83ef8	85807a72-053a-48bf-8604-47b24221d1f	Chlorimuron-ethyl	low population density
do1d4501-ea94-46a5-b4f2-cd942b7e5604	9c54d6d2-16c9-40c1-86e4-57246f1e5820	Fomesafen	low population density
e6e0434c-b004-4a1d-8424-7639515fabab	bedc1f3e-71d2-4bb9-9699-c77603031f81	Diflufenbuzon	low population density
3275a1af-934e-46d4-9cdd-7a78317eabb6	1dcae348-9373-4ff6-96fo-1a444fa96587	Acifluorfen	low population density
63e78921-8549-11e0-9d78-0800200c9a66	de9e0841-do2a-4afo-993a-39e32e69e7d3	Alachlor	low population density
e4127c8a-2ac4-42d1-8798-4b693eaa7781	17b87359-36f1-4ad3-a019-73e40fc2efc7	Flufenacet	low population density
63e7fe5d-8549-11e0-9d78-0800200c9a66	e4e17609-7a80-455d-a4e3-88af8695f987	Pendimethalin	low population density
63e8256c-8549-11e0-9d78-0800200c9a66	8a2c92a3-7210-4560-bfd9-d3cc7d09ad72	Trifluralin	low population density
ea87bf63-b206-4a6f-bd07-b3ec2014d779	421d36f5-2678-4c1b-ba10-6b43521fo859	Flumetsulam	low population density
63e7b03f-8549-11e0-9d78-0800200c9a66	206b98e7-9df1-4aa1-896e-dc5aa93e9844	Dimethenamid	low population density
63e7fe5b-8549-11e0-9d78-0800200c9a66	a794b444-2b77-4449-8592-0efda101boc2	Paraquat	low population density
63e78931-8549-11e0-9d78-0800200c9a66	02eb30a8-ed7c-456b-a1fe-2cdf4e4fb8d	Carbaryl	low population density

e230e091-776c-4d05-bcfd-ec6d3b6f04df	0e20b8fa-3f9a-41f2-b9aa-2b4e32c62264	MCPB	low population density
72ed39ea-c75e-4f41-ab03-8f1661c19a21	27d03876-622e-4951-8547-ce331b7d3521	Sulfentrazone	low population density
a9bc1b2d-19af-4b7e-bc56-45fa627b283d	d90a3903-d98e-4750-9dc4-647f2c6af3ec	Thiodicarb	low population density
63e7fe51-8549-11e0-9d78-0800200c9a66	a1201fc1-a799-4832-940b-aob247f2cf42	Metribuzin	low population density
63e7892b-8549-11e0-9d78-0800200c9a66	29bb09a9-cfef-419e-8322-88e2f6bc0558	Bentazone	low population density
fd788e8c-2f55-3139-ab1f-a28cdd4a6158	09872080-d143-4fb1-a3a5-647b077107ff	Water/m3	low population density
f75bd851-b74c-38e3-8cfe-aagb593e63fo	9f1f46bb-5629-4fd5-bedo-06f58800017a	Carfentrazone-ethyl	low population density
9a7afe41-2dbc-47fe-ada6-8db4207280b2	78eb1859-abd9-44c6-9ce3-f3b5b33d619c	Carbon dioxide, from soil or biomass stock	low population density
63e7d74c-8549-11e0-9d78-0800200c9a66	f9abb851-8731-4c5b-bo57-863996a1f94a	Hydrocarbons, unspecified	low population density
2ee3ff0e-3f90-4ff2-ae51-61f09119d91a	7722209c-9953-4e3d-9854-5eaf36e147f8	Tefluthrin	low population density
2a8ea9a3-aef4-4e61-ged2-2977af3e7a70	9541a975-800f-4fed-9edf-28f6e411a015	Methane, from soil or biomass stock	low population density
01189001-7153-4369-9e3f-b14156041dc7	50cbb355-9a33-4e15-986a-c95c40931638	Dimethyl ether	low population density
48126907-1cea-43ae-bb49-bbd32481f6bo	53487f42-0668-400b-be1f-19f3dd46709c	Carbon dioxide	low population density, long-term
20f623e0-2bd8-30e6-bec4-f8126b8014be	13825fb9-6e24-409a-bfcd-5dc4fd61ef98	Sulfur trioxide	low population density, long-term
db0f9d9b-fe31-486e-8fbf-2482896f581a	f2d8ab10-7974-4038-9339-b8a204d26331	Dimethyl ether	low population density, long-term
a3a8b6d8-b2af-4ac8-baae-fcd8987e9553	4a28ea6f-3e26-4a84-a8f5-6a9596651d1c	Acrylonitrile	low population density, long-term
190a7ce8-c3ec-42bb-b795-189a545b6d4a	1fee3bdb-480b-4194-b3d7-0e4bd2814c33	Butyl acetate	low population density, long-term
cfb6a3d3-fdaf-43f7-81cd-35ed9d8ecb64	f8b49a6e-fac7-4373-97fb-8ddf3bbb27f5	Carbon dioxide	lower stratosphere + upper troposphere
cb4b7f58-391a-42ad-8ee7-f91ee4a6878f	4f061396-da10-49b3-a7ac-ac1d2eb49fa1	Dimethyl ether	lower stratosphere + upper troposphere
7e98f940-9aa1-4bcc-913b-ac21587e782c	9808cb2d-f1d8-41c2-9a8d-74d5092b27ec	Acrylonitrile	lower stratosphere + upper troposphere
5e37f61d-8387-4613-be01-8949292bccccd	9f7e577d-509b-4bbd-805f-3293a44fdc89	Butyl acetate	lower stratosphere + upper troposphere
0bb25a3a-3083-328a-a4aa-7d354d616290	f14b59ff-d438-442d-8bad-b53694b8263a	Water/m3	lower stratosphere + upper troposphere
084657e6-8b30-4831-95f5-dc19f3704e85	7ae371aa-8532-11e0-9d78-0800200c9a66	Carbon dioxide	unspecified
c61d74d7-3212-4d77-b32c-ae151eb3def2	476ff60f-c2a2-43d6-bbe7-b4c4eea6960a	Carbonyl sulfide	unspecified
63e7b041-8549-11e0-9d78-0800200c9a66	acfed7a73-2eee-4ca2-ad41-e8c564e75cec	Dimethyl ether	unspecified
08a91e70-3ddc-11dd-91ae-0050c2490048	981ea86a-b527-4e29-b092-f16d2cd57e45	Acrylonitrile	unspecified
262cc485-4e2d-44af-bb1a-c52868186dob	da3d541f-0063-4ddf-9bod-7ba7b8cb6ec7	Butyl acetate	unspecified
91cd46b6-ff7b-3125-891f-c62523e18570	a86c6e85-0545-5f37-bed8-354f2baodde4	Furfural	unspecified
08a91e70-3ddc-11dd-92b1-0050c2490048	23a4dfc7-c82e-4425-abf6-0195f78f3363	Dibenz(a,h)anthracene	unspecified
6b6cfe7-2af4-4a03-a08a-cbc8bbcb33b	76608f33-7127-47f2-9718-383b3efe3b43	Indeno(1,2,3-cd)pyrene	unspecified
49e82a9e-331a-45e1-8a86-ff1526045fc8	0605e241-ce98-4c10-8c61-d0a1775cdcb0	Benzo(g,h,i)perylene	unspecified

4d9a8790-3ddd-11dd-94a1-0050c2490048	cc5f1637-8aa5-442f-a8c6-43c8739944a0	Benzo(k)fluoranthene	unspecified
52e025e9-aa34-4157-9e19-10b8205974da	c492ac36-a5e1-446c-92c5-110a55654a80	Chrysene	unspecified
8648c983-3acb-4c4d-8607-bb070188d654	8b48b5cf-853c-4970-840d-5d9c5fb3caac	Pyrene	unspecified
25caf528-ad96-4bed-b053-b232cf93afcd	d57ab983-120a-448b-a681-b876e1addecf	Fluoranthene	unspecified
ddce24d4-f536-4b44-a51a-e3bca0fafobo	895fa803-ad56-4b1d-a37b-23a9135ce26a	Phenanthrene	unspecified
cfd2030e-ofb3-4946-8a0b-gd1667aceb77	fc840c3f-dbcd-4175-9bc2-7fba64501e39	Anthracene	unspecified
05aade40-92a0-4c18-a061-588445d5af43	dbe2c062-5692-4282-aa6c-e75f4d718077	Fluorene	unspecified
63e76212-8549-11e0-9d78-0800200c9a66	e0346157-1foe-4bf9-b234-78fead761e18	Acenaphthylene	unspecified
314d7cdc-1a84-48bc-97f5-ad8ed323bfab	3df4c2f4-c854-4493-b514-f2f3accdc307	Naphthalene	unspecified
e3569b8d-34ca-4712-93b5-bod81f955663	ba5fc0b6-770b-4da1-9b3f-e3b5087f07cd	Sulfur oxides	unspecified
a46e4a20-8478-4dfc-b7e0-b8a3513e5163	d18838bc-54cd-5d6f-a8f3-9b94cfc8472d	Dimethyl carbonate	unspecified
ao28e2af-de2b-4e29-9d6b-a56d6a50f1of	4ec70203-13bo-58cc-b4dd-2fcce8a96732	VOC, volatile organic compounds, unspecified origin	unspecified
9312ee41-2d61-3ac3-8457-oda3c087f6d8	7346ba9f-476c-4343-9f37-d1bb174eed6d	Naphtalene	unspecified
7bod26c8-93a6-49d8-ad9a-da200d2824f1	e4e9fabc-07c1-403d-8d3a-6707bb4d96e6	Carbon dioxide, from soil or biomass stock	unspecified
68d7ce89-4f9c-374c-85ee-5a6879ce3450	17f7e776-7934-54af-8c3c-ed0247cb697b	Nitric oxide	unspecified
389e5c92-b5e5-3ac9-bb17-b6971bea6c61	075e433b-4be4-448e-9510-9a5029c1ce94	Water/m3	unspecified

- Changes in 'Emission to soil' category

FLOW_UUID_old	FLOW_UUID_new	FLOW	SUBCATEGORY
afo492c2-e2de-41fe-9327-443779993043	oec92f76-932f-4407-bd4f-eb9aa426e099	Cyhalothrin, gamma-	agricultural
676ba24e-2db2-4824-821c-320d6f994fe3	63c262e9-5fd4-4160-98aa-cbob3dodc2d7	Cyhalothrin	agricultural
824d1847-53b8-4904-bcb4-of1e0504ad23	77152ee4-bfo1-4720-a95f-19bde9bdcda8	Imazaquin	agricultural
2a854083-eed6-4b2a-9e8e-8d443f57f01b	4f5a338d-a56a-417d-ae4d-cfd6f51a4729	Flumiclorac-pentyl	agricultural
b24aodcd-4914-474b-a9cc-31dbc781d457	c89708f7-cb6c-4691-b8cc-cf2cb03b14a6	Acifluorfen	agricultural
35d226b8-b8af-4818-88cc-923979106oba	44230dod-f11f-473e-8b43-75656dcac834	Thiodicarb	agricultural
fdc6f8c0-7177-4251-9eca-47f65f5f936b	954dae72-064c-5dbo-9c25-a98bfbc727f	Daminozide	agricultural
fdo09330-fb96-4fa4-a68b-6075odb4707a	2b3cf153-odd6-4b79-bod4-b4df832f3a7e	CHLORPYRIFOS METHYL	agricultural
fba6a8a4-cc26-4a8f-939f-996ab97bb51b	7b34b63f-b1a0-4b25-ae5e-dc1368b4512a	Methoxyfenozide	agricultural
f8c7ce6e-6cfb-33d6-a6d3-5doab8d6oba3	eec1217a-7365-51c4-98ce-be7b617bb6d1	Vamidothion	agricultural

f8c6d1f5-2119-304b-84f4-0229ac25e3ad	19c48bf5-6116-5941-877a-ad23501dedb1	Proquinazid	agricultural
f7fffb73-47aa-453e-bc09-8d2164d2393d	2ffdo3dc-a8df-467d-a362-b1f9f3136abc	Triforine	agricultural
ee731ea9-113a-471c-9503-dccod5c7409d	910b7532-d541-45a5-a535-03f54997726e	Acetamiprid	agricultural
ee24dac5-7311-3a13-8305-bc96ec12341c	922b0101-eec3-5d41-b2d2-b2eebea5ab50	Dienochlor	agricultural
ed4963fc-c518-387d-85b2-c311a3211fc	5e86b7ae-1d51-485c-be33-8c12c4ce4d2e	Kaolin	agricultural
eb6c5bea-dfbc-34e9-baf7-e03d6d50535b	94ef8014-ocb7-510b-af99-c3bdb8a6486a	Allethrin	agricultural
ea8c83ff-8c3d-3d11-a2c1-1b6foee9aaff	3be7booe-61f9-5b00-8ca4-4e497692bda1	Cyhexatin	agricultural
e6efe206-3878-46ec-a6a3-901bc7f64be7	03f3255b-efb7-5a1e-8288-0a5e7bfb791	Dodine	agricultural
e6508654-831a-369a-aca5-15e3a735ca59	1516eco5-1677-553a-9ce7-748002246ecc	Flazasulfuron	agricultural
e23b01ao-7060-4125-8ad8-a2c5bc5b76cc	d1b2cbef-7804-5eco-8d93-f1cf91c59fb4	profam	agricultural
e21a213f-9a83-4a50-9cod-4cae12e9933f	2fee2825-acaa-562e-8611-e607b8f94fcc	Pyraflufen-ethyl	agricultural
e1962af3-999a-4376-822d-751b38dde8cc	ebca692a-4ef2-5cao-86c9-435f9071b7ed	Phenol, pentachloro-	agricultural
deced705-86ab-31f3-9eb3-62157aaa8898	3b2eod21-710b-5ceg-aeaa-07466f781ee8	Benzoximate	agricultural
de0aeab7-17fb-3a1b-ae64-97de3205ba5b	c59e3d9e-2e04-56a6-b75a-4066563accb9	Butoxycarboxim	agricultural
dd50c45c-aeoc-4190-b9f7-1b16c144f667	2b6c2cee-deb2-49f1-a552-a666a41fc14e	Fungicides, unspecified	agricultural
dc12c5f7-47e0-3a41-8a9e-ffe4bf11d41d	bf8de5ea-9e54-573e-aob1-676df1b766eo	P-tert-amylphenol	agricultural
da5eebea-ef5f-4054-boc3-b1226f99ofdc	3d4852a3-6ef9-5e64-be70-6d65dfoc9337	Hexythiazox	agricultural
d9a2aof7-7a1a-4a45-95b4-8c416e015709	34eb8944-7396-59d5-9e4c-099670a033d9	Bromoxynil octanoate	agricultural
d8e82fea-af93-3fd4-8aa4-c27d6ea9068b	920caf13-5e85-5d24-b3fo-91ce30502344	Fenazaquin	agricultural
d7261086-933a-4fe8-83d9-bf48a478fco3	8b85dbfc-25b3-5f37-8afe-852c261ac4b7	Fenpyroximate	agricultural
d3b411db-cfco-4f5b-b33b-baccccd761ca	02156abf-3839-5778-897a-4c06444701d4	Zineb	agricultural
d38713fd-05e6-3993-aoc2-6f8c7ea43bc5	3f3d97d7-6ecb-5b48-8bb1-2bada02395oe	Aziprotryne	agricultural
d2d5e5ed-8eef-4176-99aa-835d64c963eb	d75bdfae-385c-5082-aa89-e0ebdb26e33c	Fenitrothion	agricultural
d11e1bea-ed6b-4aca-89b4-547f497208d1	0ae80e4e-2e46-5292-aod7-7526bec603b	Benzoic acid	agricultural
ce78cc2d-dbdd-3e05-ba48-747c6320583e	856718a4-bodo-50d1-8f3a-f40743a12151	Fenfuram	agricultural
ce516a59-b87c-4e20-832e-3322f93016e7	a7f661f4-da39-4571-a48b-a8d61314ce1b	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	agricultural
cc9a93c9-301e-38a3-ac94-197725ec2doc	b383d294-1771-5b63-b912-8de9e9e7fid6	Dazomet	agricultural
cc4doai7-36ce-438a-a984-58d9ccf0593f	3aa11bfe-0524-5028-8371-c98857c61949	Hymexazol	agricultural
cb97d481-4a43-4b7a-98bd-e2cfa3a6c180	6b7a3386-4aa7-4e58-9450-4113odbfa099	Lenacil	agricultural
c74e4213-fe1e-312b-885d-9cec2cc8odfo	fca49bf5-8cae-559f-b76b-5f6ad4fe658d	Neburon	agricultural
c3da1b7a-c275-4e3e-b688-dbe5a7a625f3	1541559e-1e25-5d7b-9dob-dc45386e7c1c	Clothianidin	agricultural

c2c04a06-104e-459d-9848-d3380b136052	9a94962c-be98-5doa-8327-fd6d1ceof4f1	Novaluron	agricultural
c22556eb-e721-4283-85c4-a43781147313	6322e750-aed5-589b-a3ae-66760oceeoc4	Dichlorvos	agricultural
bec49880-dc6f-4dfe-acbo-41f46c5b068d	6d9d5607-330d-4f8d-95bb-e6280c9dad6c	rotenone	agricultural
bbf674e3-25c7-4a70-aaa1-44ec595e1a96	b1e47fb9-ec5a-58df-g18a-83909d93e6e8	BUPIRIMATE	agricultural
b95ab629-d4bd-4401-aoc2-63f3b8feb36b	3941d87e-6d5c-45d0-9fd5-16e3b948431c	hexazinone	agricultural
b9321d85-8b4a-3fao-g215-6985fe1faaba	of74b213-664e-5da8-b700-bf2c01a9c57a	Azaconazol	agricultural
b8e2b298-278c-49db-aa87-372842ad96a0	3301e59e-2f7b-46bd-b185-32ef8caac4ea	Benfluralin	agricultural
b81ab384-c82e-45e3-9595-cc279b10d47a	ac7c4d41-1854-5761-aaod-fff910c6cc47	METHOPRENE	agricultural
b65f937b-f362-3c4f-8913-oebeo858a12b	8704d23b-dc6c-5fd8-94be-60e6fabbo2f5	Propineb	agricultural
b5162621-9eaf-3620-a123-77448fae41de	a36b1dd0-2fd3-5365-8c8a-f689d540c83f	Bensultap	agricultural
b1357863-6659-4db4-ba4f-8cdb1218bd58	12352b0c-c809-5bc8-agb8-6ad6f9900636	Heptenophos	agricultural
bocae677-f678-43bd-8e62-378f12d2ef86	10e3b4c5-7c8f-58eb-9606-9a1a0a96598a	Cyanamide	agricultural
afcoa668-b7f6-4c6d-b45b-2a3aec72097e	ofeo4bc3-350c-5755-8db2-g19c16b85d6f	Mevinfos	agricultural
afo7959e-6bc6-4800-bfe8-6f837e6c6c14	ob27924a-660d-5cbc-8b67-c2d3odd91d39	Pyrazophos	agricultural
a8be625e-deda-3213-b2f7-50foc854875d	8cc320a2-800f-5512-82c3-53ab5ef103of	Fenamidone	agricultural
a3816789-e747-310c-83d1-e7a7a29d8802	0a366c38-2c07-56e8-bo3f-eg7foo8odaa1	Bromofenoxim	agricultural
a2465691-2ff4-4c52-a431-ae66d8a9cef1	e91313f6-129e-4bdb-8217-61756ce5b37b	Fenamiphos	agricultural
9a82ae3c-oe87-457c-8778-b873451ecoaf	810479f2-5c15-57e7-8758-8c4a69dc8318	PENCYCURON	agricultural
9950a0ab-9839-3ad5-8fcb-bbeo43535bb2	5b834f01-a5dd-5d6c-94cb-2f5d262d3ccf	Acibenzolar-s-methyl	agricultural
9802c331-12dc-43dc-a707-06e8b042c579	3f5e282e-245b-570a-81e9-c41e6aee952b	TRIFLUMIZOLE	agricultural
9747b124-e8e3-30cb-b7b5-fd3ea9b1b4ee	90917976-dfao-56do-8937-fec6deafoob4	Nitrothal-isopropyl	agricultural
96a3da92-cfce-4702-ag06-2foca405e622	4c99e2cb-60ae-499e-aae1-c983fb3bd9f2	Hydramethylnon	agricultural
94880511-odc7-321f-b8bo-01c15cob34e3	4cf834bb-0a24-5503-b163-12688b35af1e	Chlorbromuron	agricultural
8f4731c5-a1e7-4dc4-a64b-152ba59aab09	b2663551-c9e2-446c-88e1-0a87435667dc	Pyrimethanil	agricultural
8cf5d1b8-12f1-4603-bc99-10b0f8a10e9f	c5094d89-50ee-5a7a-8ff3-cf50b218ef2b	Thiabendazole	agricultural
8c9ceo85-gbeg-4f1a-845c-ea5c20087252	f64b5e97-f427-5ef8-a13e-2e83920b5ac7	fonofos	agricultural
8861e351-8340-3c6c-a36a-30f20f7be8d3	a2833212-obc8-54a8-ad0e-1eboof82cc4a	Sodium fluorosilicate	agricultural
86645eee-a068-4807-b76a-4a9394068236	b10642d6-cd29-4cfo-gebe-755902c9a3ae	Myclobutanil	agricultural
85e28f1d-f9bd-312a-a54c-709306fob4b5	d5694174-f34c-5f47-a385-564ac1712c69	Chlorbufam	agricultural
8539ad44-b964-43ee-88a2-c609f4c2c62e	ea8f1d25-23f6-547a-a86b-562b696ab9bo	Cyromazine	agricultural
852c8e6a-f82a-4ca5-a78c-e0910b58a2de	0a0a8657-occo-4132-a31b-cb4boaf3f3a	Propachlor	agricultural

8324945b-9565-414e-b5d2-c685ddf2dao8	b488c953-3543-565b-8b09-01cca445813a	Dodemorph	agricultural
826db4aa-35d9-4c1d-b56e-of2542e2e480	ff32cb2a-4d63-435e-8787-58436bd36a83	Boscalid	agricultural
822d45ea-2ec6-34a7-a50f-e0cc96018430	7d685caf-34cf-5466-b048-6841a368dcee	Tepraloxym	agricultural
8135e8fe-1263-3944-91ad-7ec12coab9db	4fe97589-e19a-58f3-8356-c4e55b4703cb	Butralin	agricultural
7fd01d83-c31e-4f59-a479-e06e8cf4436c	c206c730-0860-54af-9a6e-484c653647fd	Etoazole	agricultural
7f9d9d55-7804-4aad-ba98-7bcfc15071ab	b6e1f836-2b5c-4bd5-bc8c-af065ee7c230	Zeta-cypermethrin	agricultural
7413becf-e833-4ef7-84e5-03doda6b92be	18fb2184-d78e-467f-9eac-116bd534739f	Pesticides, unspecified	agricultural
6fb6e4da-3ffb-378a-ba17-3e9de6675223	8a1f826f-e415-5f6c-8881-foad4cd8642d	Mepanipyrim	agricultural
6f781947-8c3b-3cbe-87b3-e1aed4e4a3a3	7ffda147-f556-5470-8db7-5be5c15472c2	Lufenuron	agricultural
6d622ood-a438-43ff-a213-e7d4792006d1	cc91124e-c4b4-4e39-95b1-1c27b35cbe66	Amitraz	agricultural
6a8ccf3a-cb90-348e-9cde-44db9f49947d	ed833edc-cec9-54c1-9bd8-1579ff25ff75	Sulcotrione	agricultural
6614a56b-f554-45e1-bed2-16fac9da24eo	cb8de38f-f794-51e2-9736-ofb7ecf8f448	Penconazole	agricultural
63d8524d-fca5-3a7c-92da-9d37ef9f73oe	a73ffbcb-6f62-5acd-b7b8-b91a45120152	Diafenthiuron	agricultural
6196fbcf-b1b3-38d8-9810-5356c4od4a89	5357f101-f2df-5f6e-b534-f1705b597773	2-Phenylphenol	agricultural
5f962643-b250-4a25-863e-779245b3963d	b2cf7804-89b9-5028-8c6e-d26363eda17a	Famoxadone	agricultural
5c1fbe25-ef99-3db7-b626-d93177df72c4	e6f95937-83c5-55a9-8bbb-8obe75452175	Siduron	agricultural
5bfdb4c4-696c-3533-91ad-95f416a7886f	3d071bc4-855b-52d7-baa8-2cacbf536777	8-Quinololinol	agricultural
5a857c28-20b1-3bd1-906c-70c94ef1a3d9	98b2ed3c-a7e3-5e67-93e4-44c1a77c587c	Benzthiazuron	agricultural
5884126a-b937-362b-badc-f3fd6aff9973	40018f22-3bae-5e4e-a987-41b1a85ee1eb	Benthiavalicarb	agricultural
57a8e923-2c1f-47cb-b96c-e75af8c7de2a	fd9e2be1-a651-4c40-bobb-e7daa4f56ad4	Chloropicrin	agricultural
55a3cf2e-d479-3f30-a556-d95d67b31089	f9ba52c4-ffe0-53fc-9724-6c1daebcb1c	2-Amino-3-chloro-1,4-naphthoquinone	agricultural
5579135f-7ef9-35eb-a60c-0575781788ca	4ab7bb85-d6b6-5adc-9ccd-boebc9fd11ad	lprovalicarb	agricultural
512e0961-9598-4c33-a3e3-0dad904dff2b	4bfdeoco-e613-5241-b586-f8145e5d65e4	Spirodiclofen	agricultural
503df646-95bc-3fbf-8f21-4cebc77f5155	c5a71bao-3eee-5b52-a75b-829c650a05d4	Chlorthal	agricultural
501d5179-a0c4-37e4-97e3-4ab15e8c53ao	d5946f74-8384-5bb7-93f3-50d5f794e02a	Pyrifenox	agricultural
4d9a8790-3ddd-11dd-8ce2-0050c2490048	e5d2097d-8edd-52d6-8ofd-b449548e416f	Clofentezine	agricultural
4cefae32-3930-458a-a72a-5c901cbca57b	ce2ceed1-2503-4566-8175-f4456dbac42b	Alpha-cypermethrin	agricultural
44fee537-09b3-4ba9-8219-geea2dbb8616	53f7bad5-fba1-54ca-94af-7abfbc18d21e	Thiacloprid	agricultural
44ddbcc1-9c11-3a4e-8553-09aa8474aoe2	dc941853-32f2-5a2b-87de-occ7d6ce3a13	Anilazine	agricultural
43715fec-1d4b-41b9-b660-86a317dbeea6	6f478f7b-1817-4316-8dd8-c65fdc1c6be7	Pyrethrin	agricultural
392e408f-e5e5-3fd7-abc9-218e2b1a5c5e	50415507-6e24-538f-9ee2-f1c4eb1e45a6	Dichlofluanid	agricultural

386b387a-e2d7-4c3e-99cf-ab5cae17d3bo	03b40051-311b-5e37-aad1-ea811907cc90	Zoxamide	agricultural
38214183-8134-31ca-9f47-f68fd699171	231bcb6c-ce4d-5550-8244-9431031dea95	Pethoxamid	agricultural
37eaeac5-d6d9-44a3-86ff-occd1f9e8988	8e52912d-cb22-52co-9ded-1fc168440a17	Pinoxaden	agricultural
3442bcb-b33b-39c8-a977-5b9f6ecd6b1a	9d6cb18b-db4b-4fe6-8449-2830536751e9	Insecticides, unspecified	agricultural
336ebd03-ff7b-42cc-81dd-a3de4daeb81a	af97a8ee-abad-4866-9330-89844b9f135e	Furathiocarb	agricultural
31922a9e-9681-324d-93d9-07d59874b5a4	58dbo688-dd63-5506-a03e-0345b9a9294b	Triazamate	agricultural
2fcoe166-80a2-4cec-b9ab-463786f61a70	10cf973e-9a4c-53a6-83e9-c2293909374d	Methidathion	agricultural
2cfb5cc3-e4d4-4467-aa5b-13d253f38ed8	dooc7ea5-29e7-445c-b20e-672d421f3ea4	Tebufenpyrad	agricultural
2ccf20f9-c48b-47e1-8e17-83a97301d993	bb1cedf9-5abb-5c7b-afe0-04df6165f9a0	DINOCAP	agricultural
2co8ddc8-1de7-48e5-9f88-d741bcc05599	616f4baa-8e97-5892-baf7-41ef582cfb38	Metobromuron	agricultural
2bob0155-eff5-39e3-aa18-80ac90a42ceb	165e28f3-4377-573c-9d2f-52c664f43d42	Triflumuron	agricultural
2a3074ac-38d0-36ae-a051-37b8ddb32deo	6d15ed1-32a4-5165-a477-c4ae1341681b	Dialifor	agricultural
2a2e7586-fd99-433d-840a-570aab289f9a	7bddbf65-6f39-4ae1-bddf-d8d4632c8efe	Quizalofop-p-ethyl	agricultural
27f2c2de-64c3-4161-a535-da921721d46c	4ddf1403-314c-51c2-bc3e-f84dbe39c9c3	Fenbutatin oxide	agricultural
21cc5ece-f3f5-369e-9a00-3170e1cfa7fe	0af51816-fa0b-5c76-bc65-92071535f15d	Octanoic acid	agricultural
1dfa632b-d7d7-3ae8-913d-fa14f5579b93	69edbf6f-66cb-5e8f-8741-f34a16fed5ca	Pyrethrum	agricultural
1bbc2ebf-9a72-45f9-ab38-c107153071d9	5a405a78-45bb-49de-8ecc-48a5d9cf9721	Mineral oil	agricultural
1abbc29b-f483-31db-a328-3035bocee362	45378coa-fc57-56ac-a0f2-4263250874ba	Ethiofencarb	agricultural
1a215bof-5314-3934-8b42-5abe5e065e38	b3e6eedb-e295-56df-accf-0471bf42746f	Isoxadifen-ethyl	agricultural
186b4be5-b66b-4c72-a72b-6898beod9a4d	22fbf3bo-06cf-53c7-b38b-64dfcdef37f8	Propamocarb	agricultural
17c6d866-c1d3-3278-b516-b2239d6e8837	7690a454-91c0-59bf-aaao-3a7fdc985475	Mepronil	agricultural
15bf286c-c973-4b31-b1c8-415953a444e7	49cf6a32-97db-5cf4-b1d6-47ea6fd1e4c8	Azadirachtin	agricultural
15bd0466-31c5-33aa-b5be-08d236a3cb8d	dffaf18e-2d99-5795-8317-7e33cc369f77	Furalaxyl	agricultural
149a5aaa-5839-403c-9b6f-39653f428619	928f64ab-od84-4923-802f-1fa42ea251f2	Folpet	agricultural
145c1fe7-1fac-4381-b2b5-a5be6b8028co	d18c4258-de90-4c4b-8a63-7c92335716ae	Fenoxycarb	agricultural
12544aco-5e61-4dbb-b834-bb91e6b5b334	64027a69-77eb-5b11-ae61-81f27161bf7e	terbutryn	agricultural
10e76foe-0395-4b8b-a413-b885fb7bb438	a110815e-69d2-43bd-8bf8-4e842e5895e3	terbacil	agricultural
odceob58-9520-48co-b371-od856d44a109	oe0554ad-f6aa-472e-88eo-489f19bec2bb	diquat dibromide	agricultural
oc5c4ef5-176a-3413-a209-2b6b904a5941	7f839ecb-5ffo-58oe-afd2-ac24373c38a2	Phosalone	agricultural
obbfdf75-9e49-3d70-925b-251c2bod9dfo	cc69ce7f-ffao-51b2-8e95-ce0619a1054b	Calcium cyanamide	agricultural

o8a91e70-3ddc-11dd-gobd-0050c2490048	fb4f9b12-7eco-59aa-8087-c6115d1fcd31	ZIRAM	agricultural
o704eee1-6673-482b-b675-4b96ab4ad518	99fd89e9-829f-4998-gaco-85da6442fd02	Chlorfenvinphos	agricultural
o6b4ca72-27f9-3e75-87e2-b3d5e91a79bf	cabdb1e5-e569-5aef-92af-2981a2b7c8dc	Sulfotep	agricultural
o6884742-6e21-309b-bc39-d8dae0413b8	958f4c12-7cfb-5662-afda-75ac755de94e	Cyazofamid	agricultural
o427b106-61dd-4d4c-8a0b-ac7coa5f7fe5	f7ffe5fc-obb1-4b41-87de-ed914fa637f1	Bromacil	agricultural
28d4f81f-9713-4fa7-a0d9-dbde52c1e82b	6b479ea3-eb47-4860-8778-boed9bc672fa	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	forestry
80o6ffdo-4594-41bd-b9cb-aeaoef9d7a98	b9660786-7a4e-408f-9474-f58877b329a6	Ammonia	industrial
9cb84856-a6eb-4ea8-8a06-946d832efo81	2354e2f3-5a4e-4d54-8183-4027fb64c4eb	Nitric acid	industrial
7ed8ood3-d2a5-4024-b9c8-6ed15d5ca9b6	774c181d-18a7-4096-aa99-56801ef6b909	Nitrate	unspecified
deo4891a-bf8f-4dof-8bab-c56d869e8db8	42ac7dee-8152-4874-a742-c1c432792a3a	Chlorine	unspecified
aocode57-a453-46a5-95d2-3d4e652b5013	a7ce2d61-decb-4076-baf1-774c4039b4e3	Phenol, pentachloro-	unspecified
86dedo86-5b6a-3b3d-ac16-b2de51a9f953	97of4540-8369-48a8-97f4-e8273793a8od	Fertiliser, applied (P component)	unspecified
65acbe76-a761-4a8c-8d66-940a677c69bo	6230c099-a983-4d9d-98a8-a0697962bec3	lithium	unspecified
45520a4b-aa50-4edb-88be-6bof31b3f58b	375bc95e-6596-4aa1-9716-8off51b9da77	Carbon dioxide, to soil or biomass stock	unspecified
43372780-9254-4691-8533-7occd8e1bb67	6d74bab2-969f-419c-a2dc-4dde50cf2553	PAH, polycyclic aromatic hydrocarbons	unspecified

- Changes in 'Emission to water' category

FLOW_UUID_old	FLOW_UUID_new	FLOW	SUBCATEGORY
f2b5acd3-d019-4bab-bbf5-5e40a247059a	56815b4f-6138-4e0b-9fac-c94fd6b102b3	Nickel	ground water
6c204f18-769f-4195-ab7a-c57138034aec	e3043a7f-5347-4c7b-89ee-93f11b2f6d9b	Iron	ground water
f4b02797-cdfo-4703-8622-e3100aeceb25	c1e943d6-a301-431d-ab72-779b5589deaf	Propiconazole	ground water
e9d082a7-da8e-438f-b6f8-28ac2067f6da	780e4e14-bd5b-408c-8304-odb2033561a7	Lambda-cyhalothrin	ground water
e6b30198-221e-45de-9c1e-304595ba9c33	370bbcd-d-6395-4af8-bo49-fc5f7339a437	Bromoxynil	ground water
c7c0ced4-0198-4d53-9625-710916af19do	a93b1c8a-f6f3-4cfa-b83d-a655ff57ef6e	Anthracene	ground water
bccc7bcd-d3b2-42ec-a168-d7cbco8cec14	a212914e-f8ba-49eb-9ceb-63e286053f2d	Ethephon	ground water
bco15874-618f-4b4f-b1da-8813b1835343	00012coa-9bff-4787-a7eb-56c3d2f43692	Metolachlor	ground water
b7309d6e-3dba-4d14-ac90-cc42d4d88a1e	17955b10-4c04-4fff-91e7-cf89efia7cca	Glyphosate	ground water
aee98cof-45do-4b36-b660-a27b5ce46aa2	4569494e-085e-413a-8fef-63a3c419eocf	lithium	ground water
96eb16ed-8ab7-4fd6-ado2-acf317236c6c	a4789830-1a88-4685-abac-882046c10974	Methomyl	ground water



790d37c9-19b3-467d-972e-7938bb3bd544	ea348137-f175-4ec7-a6a8-a4854260659a	Carbaryl	ground water
78c46aee-01e8-42d5-8914-12eco3819o82	92239067-b6f3-419f-boff-6ae67a8o4deb	Pendimethalin	ground water
3bd3ao4a-ocbb-417c-a2ad-93c69395756d	fa68e7a6-a70c-4ed7-814c-b388273eefe2	Dimethenamid	ground water
3397f910-67b4-450d-bcc9-4ae9488ae7a8	eo4d6f3d-1cb2-4ab1-aef9-fdo221o28fe2	Atrazine	ground water
2addd856-f7ee-4c8d-8f70-7c79f6afa595	b1f2f5fb-9107-43ca-8o66-9o33d23f184c	Tebuconazole	ground water
1e339ee5-e4ae-4291-8b01-e56d51172fcf	4d479616-676f-4db1-8b3a-c14edbdbafco	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	ground water
1762bc0f-84b5-4224-973a-cdo2ec61ff9e	e555f589-ec29-468d-a35d-346dc45cdd84	Dicamba	ground water
13497955-8bb1-4o2d-8813-ebc25648e6a2	2a46d676-6d14-4541-8cbf-e29d9996c76d	Tefluthrin	ground water
oc95o8aa-139d-4f85-aafb-28ce1b1f5425	o29af65d-7b19-4189-9c92-81fco39o9665	Bentazone	ground water
o9f68454-6cbf-4bbd-9ac7-2a6fce8733f2	d48e95bf-3ea9-4a35-a791-dog84dcb539e	MCPB	ground water
9598afda-bb7b-457e-b5b6-1accacoc9oee	cce1o142-69c4-4a72-ao1o-ac6b6abad1d3	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	ground water, long-term
1681acf3-4e9e-4acb-9937-f7f187c98o42	9af49586-3387-4fe6-874c-f67d9fe87bd3	Anthracene	ground water, long-term
o8a91e7o-3ddc-11dd-9686-oo5oc249oo48	b4c2f1fd-o79a-4afc-8acb-67d1c4465coo	Anthracene	ocean
9af3fco5-8b79-4a48-b6cc-o68a297fef1a	do69e5a1-c3co-4513-9fa5-ff3ebe687ea7	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	ocean
557da7c3-69dd-4122-a8c7-fe78f8f9o7a5	cefa3637-739c-5e9f-99a6-2456e6a44772	Phosphoric acid	unspecified
995f3484-64f1-4d38-bc97-5364463e02bo	24o4b41a-2eed-4e9d-8ab6-783946fdf5d6	Water/m3	unspecified
63e7d74b-8549-11eo-9d78-o8oo2ooc9a66	d2d931o1-7555-4c77-b4b8-ddac7f6eba5o	Glyphosate	unspecified
63e7fe6o-8549-11eo-9d78-o8oo2ooc9a66	54759564-eoo2-427d-836f-ad2a84cb7417	Permethrin	unspecified
63e7892e-8549-11eo-9d78-o8oo2ooc9a66	do29o4aa-dc1a-43f2-86ce-b41aa9cab47c	Benzo(a)pyrene	unspecified
66fd221b-68dd-4cb2-af1b-82d3o1a53535	d3oc7doo-977b-44f7-bab1-eb11c2a5c589	Anthracene	unspecified
f7e7da24-5oa8-44b4-afec-d7e74b67a8b4	9c8a834a-23d4-54e6-9ecf-2855d468f2o8	Benzaldehyde	unspecified
de4e3e2c-4125-4eob-a6ba-8256c43136b1	1247aa8b-3a24-552a-bddf-bb578e5d2dc5	Epichlorohydrin	unspecified
dcca27fa-7675-421b-89cf-7o76715enied	b61b56ob-4fbb-51f8-agf9-8co5de27115f	Benzene, pentachloro-	unspecified
beb7d426-ad8d-4ae6-aadd-6f52ccdd37b4	fa8bd05b-o15d-5a82-878c-bde991551695	Acrolein	unspecified
a42732a3-4ad2-4f26-8658-f7f6ao89be58	e898ea74-a3a1-5b26-a61e-384bffa2bd6	DIETHANOLAMINE	unspecified
7c6ab1e8-d367-4f4o-g1c2-5aco62e73861	39ec593c-6c45-571f-8a6b-b76472bb4824	MALEIC ANHYDRIDE	unspecified
7c4b639b-2o62-484f-aade-43o9c32ab3e3	eba1a8ae-fb73-52f4-b1b5-fb28dccd826d	DODECANOL	unspecified
7ocad44-96ec-4fc6-a326-4ed4513335b9	13fcf4c3-78oo-5444-ba84-6d4b7e611ce6	Pentane	unspecified
66a169f2-82a9-446c-gdaf-df444f2476c6	373c3829-2b94-5cf4-81o4-1cf516c2o361	Benzene, hexachloro-	unspecified
63e7bo42-8549-11eo-9d78-o8oo2ooc9a66	737c3221-1456-4c6b-86o5-6aoodc88b2e	Dioxins, measured as 2,3,7,8-tetrachlorodibenzo-p-dioxin	unspecified
45b36674-7a75-42e8-86cb-fobde7b48f4o	6296baee-87bd-4e6e-bd2o-c1578b7a7247	Indeno(1,2,3-cd)pyrene	unspecified

3do3864-350f-4aaa-aff4-52f24808dc26	fed18945-boeo-47a4-8fao-6bc99c3c512a	Polychlorinated biphenyls	unspecified
39753ff5-ff88-4009-8e9b-8688cdef87ec	071efe89-12eo-4ff8-8od1-4e6cf1e37233	Monoethanolamine	unspecified
23c32296-5c4e-4fe8-9316-3f2bd48fdec9	obb38d46-04e7-52f2-99de-5861a8220a49	Bisphenol A	unspecified
oca79baa-fb39-4a57-ba62-b8411446a20	921ddc9c-6898-4ado-aood-7c9add941c85	ALLYL CHLORIDE	unspecified

- Changes in 'Emission to Resource' category

FLOW_UUID_old	FLOW_UUID_new	FLOW	SUBCATEGORY
172ad9fa-6556-11dd-ad8b-0800200c9a66	0b9159dd-305d-4add-802f-f7b78oedo289	Sodium chloride	in ground
fb3fed88-dc84-4f40-be2d-757a002bcfa5	bf377e4f-3a95-4ce2-a9ba-66ee31foof60	Cadmium	in ground
daea7dff-7a8a-447a-b205-f358deddadbg	775df03-bobb-5c25-b14d-107231d5b2fo	tantalum	in ground
a8f1d01e-db87-449a-83e8-8b9b3bec8d5f	7b6da1f2-e191-5a77-ae06-af96201f5803	Tellurium	in ground
2c391077-ef22-4bc6-802a-5e9b7eeeb114	cf791833-26bc-5207-a9bd-6ddcd8ac7625	samarium	in ground
08a91e70-3ddc-11dd-9f78-0050c2490048	e189e2d4-3d3f-4ada-b302-91611784311f	Chromium	in ground
76bcc22f-224c-40a4-9b22-9621467498cf	cd2932c5-a486-4bf1-99b8-815d8a7ce11a	Zirconium	in ground
64b1ce4a-6556-11dd-ad8b-0800200c9a66	be73218b-18af-492e-96e6-addd309d1e32	Zinc	in ground
14204a64-9301-4056-b2ec-3f2362071f3c	c9c4b80a-73dd-415a-92fb-f877595651c1	Vanadium	in ground
2906898f-6556-11dd-ad8b-0800200c9a66	2fo33407-6060-4e1e-868c-9f362d1ofdb2	Titanium	in ground
29068976-6556-11dd-ad8b-0800200c9a66	53d5ef26-66d8-4536-afa2-2f6b114189ba	Tin	in ground
9dcebf82-e6b3-400d-98bb-353aco79cbe1	47262180-8308-5d4c-9332-c77617eo32ef	Antimony	in ground
1729c889-6556-11dd-ad8b-0800200c9a66	4803f22f-6950-489b-914d-fa953a8081f6	Rhodium	in ground
041fab30-6556-11dd-ad8b-0800200c9a66	d13b2665-505d-49e2-8edd-dc966b0342af	Platinum	in ground
e2fb2bc2-6555-11dd-ad8b-0800200c9a66	edc69c63-a776-4dbf-acbf-e0368914980a	Palladium	in ground
feoacd60-3ddc-11dd-ae5d-0050c2490048	fbcb9c7a-eea7-4694-ba6c-568e01d28883	Lead	in ground
041f5cea-6556-11dd-ad8b-0800200c9a66	483ae3c5-4ebo-46e4-b811-a72ad391716b	Phosphorus	in ground
08a91e70-3ddc-11dd-96d1-0050c2490048	974213ef-1bao-40e5-bc7b-52ef099e9e09	Nickel	in ground
feoacd60-3ddc-11dd-9e5c-0050c2490048	c2586875-bb56-4b1e-84c5-5ff255a1108b	Manganese	in ground
feoacd60-3ddc-11dd-aabe-0050c2490048	a4bab069-74a9-5b4c-8d6e-5ca984cd9ecd	Magnesite	in ground
feoacd60-3ddc-11dd-aac3-0050c2490048	9e5823ad-9d9b-4b98-b627-e39611b6a8bd	Magnesium	in ground
15f98b12-7233-4438-9372-4ee1cf5d693	176598c1-699c-5dd8-8c33-d269ff7f5edd	Lanthanum	in ground
38a037a3-47a7-4df7-a986-84e60f50f62e	e373f7b4-42e9-4cc7-a73c-f87bec88008b	Potassium	in ground

feoacd60-3ddc-11dd-a8cd-0050c2490048	54b9cbdo-65df-4fd3-8a19-dd3b8eccc619	Mercury	in ground
o8a91e70-3ddc-11dd-959a-0050c2490048	8ce3ff02-7a1e-48e3-881e-3248b944f28a	Iron	in ground
d9od8435-ae6f-4bf7-8d10-3329f9821e97	3048af84-1d72-5e3f-a739-b2d7fa7d4773	Fluorine	in ground
feoacd60-3ddc-11dd-ae5c-0050c2490048	agac40ao-9bea-4c48-afa7-66aa6eb90624	Copper	in ground
o8a91e70-3ddc-11dd-97f7-0050c2490048	ofa4f51e-bodc-5d11-84d3-b32fof3c88d5	Fluorspar	in ground
feoacd60-3ddc-11dd-a2bf-0050c2490048	do80e6a4-42c6-484e-b5d7-d74693aec7d9	Gold	in ground
172ab2d8-6556-11dd-ad8b-0800200c9a66	361a64cb-ab76-4a72-9ea1-co7d6a20c124	Silver	in ground
e8od4259-67b8-4d77-b218-cb4189d1974f	f2f53dc8-8e09-511f-8dd2-4bae3625ba27	holmium	in ground
da721fc3-20be-49ac-bcbd-fodd602bb98b	dboc855c-egef-58d9-97cc-960e646fc882	Neodymium	in ground
c8a40e4d-d2f6-4b59-bo10-07dae8c3df9f	99c56f25-9ebb-4e6a-a3e2-e4dc61e9d697	Iron, 72% in magnetite, 14% in crude ore	in ground
bdb1do22-b426-48ac-853f-5ae6e5786873	4057f8b4-f20a-59c9-9bb7-fdeaf5ad106d	Cerium	in ground
b3e3005d-dae5-4097-a2a2-78750b2e3c89	7aafia4e-f72f-5dc6-b999-de4e99948eb8	indium	in ground
8dde6164-a2d2-4964-aaeo-32363b942457	f55e2203-ef91-50bf-8f5a-119bb210522c	gadolinium	in ground
6a6542a1-4432-4766-be82-587805fc981f	90a94ea5-bca4-483d-a591-2e886c0ff47f	TiO <sub>2</sub> , 54% in ilmenite, 18% in crude ore	in ground
68cce9f6-0524-4c7d-a3d2-7a535a3d39e2	240177d8-6f3b-43f5-8d1e-0c18114dfa02	Barium	in ground
4be6ccf7-d242-4281-afbo-25fa00818a79	35da65ff-7287-571d-b859-13d398ac5182	praseodymium	in ground
3d58d08f-a4e6-4ccb-9a42-7a99bcf482b3	3d73ec21-de4d-5b68-b504-4ef59e15bd0e	europium	in ground
398d6bc8-7f87-3b9a-8814-133639d66fd1	8cdcb4a5-5f12-4dd2-9fa4-15663ae85528	Gas, mine, off-gas, process, coal mining/kg	in ground
292c9360-0700-4e86-bd60-1fde41754973	f3380341-7f76-5423-9704-c25ccf777a39	kieserite	in ground
1aeadede-4403-45c1-aed8-b742a0d57a02	7d2c1cdd-a64a-5936-a577-5b82dbocod1b	lithium	in ground
o8a91e70-3ddc-11dd-95c1-0050c2490048	81ff5cob-c44f-534e-a55e-8fco17e33dd2	Kaolinite	in ground
feoacd60-3ddc-11dd-aac4-0050c2490048	247f3d96-7da2-5adf-a399-65745bco42fb	Magnesium	in water
b5e7b4e6-e2f9-4a6f-94e7-f6dbe0fe1577	61341186-aac8-4088-a2b7-ba50093bab6c	Bromine, 0.23% in water	in water
a8cc540c-26a2-4c2f-badf-1co75aadb79d	36a3d172-7373-507f-85bd-12b8ba31a6d4	Iodine	in water
4d9a8790-3ddd-11dd-8deg-0050c2490048	45d6f26b-596b-5182-8co8-d6d975ff4efe	Bromine	in water
fe24f9d9-3dde-4dec-9f4a-1coob94f353e	59ded913-17fe-4b3e-80cb-79b97cdebef9a	Occupation, pasture, man made	land
f958c174-0a02-4bef-8290-efc2abcf3130	19f84b2e-e6ff-4351-ba3a-8b65ofc20d14	Occupation, pasture, man made, extensive	land
od6e367d-0c4c-4f6d-9bff-9b370a182ff1	c5aafa60-495c-461c-a1d4-b262a34c45b9	Occupation, annual crop	land
b1720e30-2692-4a1f-8ced-b58574d2e7c6	aca1714f-0040-4a65-a73a-0e38aa9f5of4	Occupation, forest, intensive	land
4a69ed71-6cco-46f6-a4ab-1b9675f8315b	98b723d4-3362-4b38-8b1e-1bedacfd5e27	Occupation, pasture, man made, intensive	land
5c44eadf-8f68-496b-bgef-f94be1372c58	2925111b-3464-4e34-9d02-b73c1co33e91	Occupation, forest, extensive	land

4497ab6d-6666-43d1-abfd-563b45cb8cda	a6889a22-e99e-42ea-85cd-4a68d7975dcd	Occupation, annual crop, non-irrigated	land
157e238e-cf6b-39e1-8af5-04b9cf70b224	956c5f83-65c8-4607-9749-147cfb9c8f70	Occupation, traffic area, road embankment	land
97c598fo-4d1d-4f9f-906e-097347168153	fe9c3a98-a6d2-452d-a9a4-a13e64f1b95b	Occupation, industrial area	land
710ofd9e-c7da-43b3-877e-bce939odc1fc	e063ee9c-9850-42b5-bo1e-4cc9b5ad7152	Occupation, annual crop, non-irrigated, intensive	land
12501edd-e004-40be-bf07-01d7f4c32ea8	1boa8570-eab4-46c2-9b67-c9b918e75676	Occupation, annual crop, non-irrigated, extensive	land
dae78878-37f4-4012-a9ea-62a0e9bb6720	88e8456c-dc23-4bb4-aed5-a4186a2fbf77	Transformation, to forest, extensive	land
922b6b30-8dc3-4c66-ba0a-be9738d67f98	4b420f19-0421-461e-aob6-7efbf580o89b	Transformation, from annual crop, non-irrigated	land
a6888cde-b33b-4bec-9e07-c6f3e6932f24	928ba839-d6e5-4d1e-b5fd-122998a9bbe2	Transformation, from seabed, unspecified	land
76292ccb-383a-44d2-9460-3559057aef47	c3f83a91-4888-41a4-add9-fd01678a1e5f	Transformation, to annual crop	land
c288611e-07e0-4b5f-b667-51aeb99bec18	ec242c43-095c-4b42-8907-e0f13573foa4	Transformation, to pasture, man made, intensive	land
90c3df57-a55d-4fbo-aoe6-25afc15b384a	7464da86-f239-4bef-a778-04d5818bb956	Transformation, to pasture, man made, extensive	land
4c3c4a4b-05bb-4470-86b5-e7910occ1boo	592bf69f-8551-4611-8942-4620beoadabe	Transformation, from pasture, man made, intensive	land
fe5274f9-2436-43eb-8f30-3815c71cd46f	7a16b680-6d9a-4db3-a23e-oec64aca5995	Transformation, to pasture, man made	land
75178d65-a01b-4108-8871-6b8c78a3ffe2	0930b6b8-d9c6-4462-966f-ac7495b63bed	Transformation, from forest, unspecified	land
2231606a-b8be-3566-96da-53443f4d4453	04ebo695-e67b-46e5-9516-da6bde119822	Transformation, to traffic area, road embankment	land
322b3ced-400e-431f-94cf-d72afb030907	f05cca02-ec18-4acc-9939-59658ff9a554	Transformation, from annual crop	land
36995b1f-oe88-439a-9295-7029d9bfc9e7	e97b784a-ec09-4b1b-9f14-ccoce9799c9e	Transformation, to annual crop, non-irrigated	land
d264f35c-7f48-47d8-885b-057bdafao4a3	994d61de-fbbo-4187-a4d4-b11c3c2b9102	Transformation, to forest, intensive	land
62ea046a-b742-4a76-8f93-ddb61076ca89	82f2476e-988b-4d7a-bde6-5da9337d1f65	Transformation, from pasture, man made, extensive	land
38921804-39ac-4a71-b675-2d092357feod	e71f95a5-fd82-4128-9fd1-be3foe85dofc	Transformation, from forest, extensive	land
8d9f20e9-38f2-4a25-bb19-9da1e323fda4	e717f3cc-ac70-4c9b-be56-1614239b917e	Transformation, from forest, intensive	land
15dfd6d6-08f1-4053-a917-6ef613od7b16	2c126bcc-bb63-4d63-bd72-f02a1e616809	Transformation, from pasture, man made	land
31e3aeb5-dae5-4a33-8038-a616442906c3	a487b7db-318a-46ff-8e52-2837fab777ad	Transformation, to permanent crop, irrigated	land
fcfbf23f-831b-49b6-ac4c-79da8fie1eec	3afbcb2d8-1b51-4d43-87a7-e68291c1e999	Occupation, permanent crop, irrigated, intensive	land
6a9cb1f7-2d28-4fa5-acdo-456cc1cfd72f	2e52cbfa-94d7-432b-892f-431daa71a6ef	Transformation, to annual crop, non-irrigated, intensive	land
ood15dd1-8517-49dd-933d-e7db77e9d342	fa288b80-6ef1-4e80-b534-5c2e5c492fd8	Transformation, from permanent crop, non-irrigated, intensive	land
75ee82c9-e3fe-4887-ae1d-05off7a6a6be	ab3e851e-21c9-47cf-8e7d-5f96dfae3ba5	Transformation, from annual crop, non-irrigated, intensive	land
a55659bb-d9f2-4904-a2ad-489cd484cf70	73cba245-5969-4076-8490-75a236073196	Transformation, from permanent crop, irrigated	land
77c14227-fb17-46a2-843c-13od92d28a28	c9461a73-d00a-4fc7-a890-9ageda6af3185	Occupation, permanent crop, non-irrigated, intensive	land
84f3ca3a-5ecb-49f2-883c-1897bab3b7f7	1896b498-8d13-4f58-8c17-21fe57740158	Occupation, permanent crop, irrigated	land
8519773f-80c3-4982-b871-170dad258d69	93ac2969-a4e9-49b5-8b97-5cbcb6b9b2601	Transformation, to permanent crop, irrigated, intensive	land

97ad7d9b-eca1-4b54-8b31-9db2527f8518	aa784c1b-odob-4c69-b631-bo45d6ee61af	Transformation, to permanent crop, non-irrigated, intensive	land
72705cd3-348c-49a5-877a-1c947882d1b7	c7869c43-266c-429d-bfd5-6b578ed32ce8	Transformation, from annual crop, non-irrigated, extensive	land
77c1d221-d35c-4753-911b-oac3dc3b1794	d585d599-05f1-47ff-8c41-79of5183ob9b	Transformation, from permanent crop, irrigated, intensive	land
8c81249c-0541-4bo4-812e-d1578a35c7f1	91ao67cc-543a-4d73-aoco-feb1f8935756	Transformation, to annual crop, non-irrigated, extensive	land
1a95203d-8feo-44ed-9203-22d40c1bc617	3f8e24d7-3d44-4a47-87of-9e3e74decca4	Transformation, to permanent crop, non-irrigated	land
e71f95a5-fd82-4128-9fd1-be3foe85dofc	7899bb60-56fd-3d8b-8c3a-9d6341b9d747	Transformation, from tropical rain forest	land
88e8456c-dc23-4bb4-aed5-a4186a2fbf77	c8a8cc97-coof-31ao-acoe-017f59071ac5	Transformation, to tropical rain forest	land
292511b-3464-4e34-9d02-b73c1c033e91	c5fb404a-6aeb-3ca1-9734-5868c9f205d7	Occupation, tropical rain forest	land
ebb16be1-8db3-42a2-8123-418787422cfe	024ef122-2b45-30a2-ac34-9a54db478b32	Transformation, to sea and ocean	land
c14ea750-4a9f-41fa-bcc1-4a1d84466f43	54f5960a-97d0-3622-b8ce-obb1cf7b8850	Occupation, water courses, artificial	land
090e9aag-a9a9-4878-9634-3adoba7fbc91	90e42c10-53b5-3d2f-9905-ea8b98fdc8e	Transformation, to water courses, artificial	land
e717f3cc-ac70-4c9b-be56-1614239b917e	963b17e3-ec2a-3715-85eb-01d84a8fce7b	Transformation, from forest, intensive, normal	land
aca1714f-0040-4a65-a73a-0e38aa9f50f4	fc924940-e7cd-3238-9d9c-cdb1b59c6aec	Occupation, forest, intensive, normal	land
994d61de-fbbo-4187-a4d4-b11c3c2b9102	05a9f970-d413-321a-8161-88b70933593f	Transformation, to forest, intensive, normal	land
d585d599-05f1-47ff-8c41-79of5183ob9b	552580d9-45b6-3aed-a43f-99cad8e5dc8	Transformation, from permanent crop, fruit, intensive	land
a487b7db-318a-46ff-8e52-2837fab777ad	0f8a2e7f-08cf-3c16-84co-aa2a58711023	Transformation, to permanent crop, fruit	land
93ac2969-a4e9-49b5-8b97-5cbcb6b9b2601	93b853bc-82cc-39c2-b444-426d02696616	Transformation, to permanent crop, fruit, intensive	land
73cba245-5969-4076-8490-75a236073196	58300316-61fe-35e9-aafe-a77d9d01cb80	Transformation, from permanent crop, fruit	land
3afbc2d8-1b51-4d43-87a7-e68291c1e999	609d10b5-0468-313f-8057-97d1e05172c3	Occupation, permanent crop, fruit, intensive	land
1896b498-8d13-4f58-8c17-21fe57740158	3c7127de-ae00-3e7a-93f1-381ce4bbd1c0	Occupation, permanent crop, fruit	land
fa288b80-6ef1-4e80-b534-5c2e5c492fd8	4640aoca-d578-32f3-9fod-502ede272683	Transformation, from permanent crop, vine, intensive	land
c9461a73-d00a-4fc7-a890-ageda6af3185	5e8698aa-12e4-3c91-b331-fcebbeg122c2	Occupation, permanent crop, vine, intensive	land
aa784c1b-odob-4c69-b631-bo45d6ee61af	f03a3491-3060-3cbd-a56b-c73b277fdc78	Transformation, to permanent crop, vine, intensive	land
3f8e24d7-3d44-4a47-87of-9e3e74decca4	84823dde-4053-37b7-bed1-a1f3460a34c8	Transformation, to permanent crop, vine	land
9b5b8c40-38fe-42fb-8130-56c15e485fdo	6c4a3fb1-813d-33f2-87e7-157699f2a835	Transformation, to dump site, benthos	land
70c4c6d8-ed81-4763-ae6d-39e54efob1fa	2deg3f82-a786-3c64-8e96-336206de6603	Occupation, dump site, benthos	land
9db06277-b6d9-4c48-8cfb-de342e928a50	c589d77a-29b7-318f-9086-b4f24191adfb	Occupation, industrial area, benthos	land
fe9c3a98-a6d2-452d-aga4-a13e64f1b95b	99218db8-68a3-3c8e-8b6c-debde88fe6b2	Occupation, industrial area, built up	land
8a00b5c3-2465-4520-9f43-22a64c846b6c	4624deff-2016-41d4-b2bf-3db8dab88779	Transformation, to industrial area	land
0331d547-57ea-4ec6-a746-3ab289c3626a	b6dcefd8-3848-4338-9c3e-fe6eg1f20937	Transformation, from industrial area	land
f661a6a2-7681-3a9f-a230-1bebf69d02ao	59ded913-17fe-4b3e-80cb-79b97cdbef9a	Occupation, pasture, man made	land

f501d85b-c98a-4319-b687-8a1b4c3ec32b	bbcdd18c-4d16-4c28-bo31-d988884030a7	Transformation, from seabed, infrastructure	land
ef12e210-aafe-4308-a70a-0baa89a48040	ebb16be1-8db3-42a2-8123-418787422cfe	Transformation, to seabed, unspecified	land
ee2631d0-c8ee-4ee9-a4a0-c1coff6373bd	e780232c-898f-4606-8d21-f8589801ebe6	Occupation, grassland, natural, for livestock grazing	land
ed4b8d66-7643-47f0-9912-ef646db1e5ea	70aa745b-8bc5-4433-b2f5-d1da652ba166	Occupation, urban/industrial fallow (non-use)	land
ea35bfo1-3547-4b67-8fdo-426e73a4425b	9e8of7cd-47fa-4c7f-8f2c-bdb9731b3196	Occupation, annual crop, greenhouse	land
e4e4859b-5636-3b05-bfb6-6c015873e667	928ba839-d6e5-4d1e-b5fd-122998a9bbe2	Transformation, from seabed, unspecified	land
df72bd78-cbfo-4bc8-91c3-710ea579b1d1	31e4e26b-a997-4969-963d-243699aca3a8	Transformation, from permanent crop, non-irrigated	land
de94ed71-1e83-4oad-9916-6b7c16d55a6d	101f15ac-0698-49dd-b177-471a813ef78e	Transformation, from annual crop, greenhouse	land
de202edo-bde5-42f5-9f74-c1d4018ec798	c4a82f46-381f-474c-a362-3363064b9c33	Occupation, annual crop, irrigated	land
dde6a506-4a66-3da3-89c0-6908a5aa4a15	a6889a22-e99e-42ea-85cd-4a68d7975dcd	Occupation, annual crop, non-irrigated	land
dbcfb8d9-9146-4cod-8f89-cfd5a3951959	fabb533-f106-4786-aefc-f5ecaed20262	Transformation, from annual crop, irrigated, extensive	land
d49fda82-ddoo-345b-a63d-ca264cedb211	98b723d4-3362-4b38-8b1e-1bedacfd5e27	Occupation, pasture, man made, intensive	land
d2747aa6-4599-3c39-bc74-aedbf2af5de	1boa8570-eab4-46c2-9b67-c9b918e75676	Occupation, annual crop, non-irrigated, extensive	land
cf451445-1cb6-3b90-ab07-50489fbo438b	c3f83a91-4888-41a4-add9-fd01678a1e5f	Transformation, to annual crop	land
c59b1846-99d0-457a-b62a-f4f82e605038	061259d7-7bcc-4298-af3a-63d084191988	Occupation, unspecified, natural (non-use)	land
c4124c02-72b7-3f85-86e8-ce1e2ee1d1e3	e063ee9c-9850-42b5-bo1e-4cc9b5ad7152	Occupation, annual crop, non-irrigated, intensive	land
bee8905a-124e-3e60-a800-631ec029bcdo	1896b498-8d13-4f58-8c17-21fe57740158	Occupation, permanent crop, irrigated	land
bd7e559d-8a9e-3a98-81d4-2f6bcd6eca91	e71f95a5-fd82-4128-9fd1-be3foe85dofc	Transformation, from forest, extensive	land
bd6d11e8-eb49-4664-bo65-7bcf9c888053	10ebc72c-2c4b-45ea-abd8-cb7fe0805883	Transformation, from annual crop, irrigated, intensive	land
b8d4d5ea-966f-39d0-bf26-8aef6abd8f7	4b42of19-0421-461e-aob6-7efbf580089b	Transformation, from annual crop, non-irrigated	land
b6aeb6b6-bodf-38ae-8ofd-c18ff240a4a9	73cba245-5969-4076-8490-75a236073196	Transformation, from permanent crop, irrigated	land
b6976023-4868-3e46-9533-bbof7871732e	fa288b80-6ef1-4e80-b534-5c2e5c492fd8	Transformation, from permanent crop, non-irrigated, intensive	land
b639d526-f5b7-4f5e-bd9e-e536db24co8b	0782d8ff-80e5-47a7-a2ba-3ba40ab60b60	Transformation, from wetland, inland (non-use)	land
b3041d25-8a56-49f4-947a-32fo4f488174	9cc80820-fcf9-4ea9-8e67-0aa423eba6a4	Transformation, from forest, secondary (non-use)	land
b19a571f-229b-33e7-bod9-bcaed4572803	3f8e24d7-3d44-4a47-87of-9e3e74decca4	Transformation, to permanent crop, non-irrigated	land
ab2bdb626-eoc7-4389-be5c-51e956409a73	f318deb8-ac36-47co-bboo-e3022b583c7e	Occupation, permanent crop, non-irrigated, extensive	land
a2e9da13-bfb2-4451-95bc-a3d146d2ff00	7956039f-1181-42ab-bo3b-ba9992733394	Occupation, annual crop, flooded crop	land
a05e1875-52e9-48fo-89of-dof9bcdde127	c12ed8b5-8452-43ca-9986-a814e908e792	Transformation, from grassland, natural, for livestock grazing	land
gdac5e64-c983-3236-a064-463be8719597	91a067cc-543a-4d73-aoco-feb1f8935756	Transformation, to annual crop, non-irrigated, extensive	land
9a290e90-6d97-46af-8387-589f197aa868	5d615a38-6doa-4f3a-8973-69b333b6e814	Occupation, cropland fallow (non-use)	land
994a6191-d82e-3f94-a154-77eab73a72b5	292511b-3464-4e34-9d02-b73c1c033e91	Occupation, forest, extensive	land

99127c79-69f5-4046-a298-3f842c68d62b	46b8b2fd-eb2a-413d-bc39-e7dc18a420ef	Transformation, from traffic area, rail/road embankment	land
9334173a-bdc7-360a-8de3-200b1f36da41	88e8456c-dc23-4bb4-aed5-a4186a2fbf77	Transformation, to forest, extensive	land
92025de4-9e42-3fe9-b9b2-cc64eda1d80a	e717f3cc-ac70-4c9b-be56-1614239b917e	Transformation, from forest, intensive	land
90495e93-e89d-4405-85e9-250cc3706cda	ede9fa50-8d76-4f6d-961f-36f701fbae4e	Transformation, to forest, primary (non-use)	land
8d59bb59-b416-41c2-adab-bba044237346	a70f8014-ode5-477f-9f10-712b5c280b8e	Transformation, to annual crop, irrigated, extensive	land
8a4861af-d77e-3044-a436-95b893672a53	aca1714f-0040-4a65-a73a-0e38aa9f50f4	Occupation, forest, intensive	land
891b2f36-c1cb-495a-9f27-be7b583eaf1b	49c23685-ef19-495b-9a6b-4a91a7ceb710	Transformation, to annual crop, greenhouse	land
7d1781a1-520c-3e9c-8a3e-8e45ecf5068	b91d0527-9a01-4a86-b420-c62b70629ba4	Occupation, forest, unspecified	land
7b465bd7-6005-406f-9023-89280ee2f705	1a1d0d4b-6b95-4815-ado6-2ec5fe333c43	Transformation, from unspecified, natural (non-use)	land
7381c88b-dc3f-4aff-9ae7-261b8216fac2	247ddc2a-c861-43be-97f0-0183e3d12f99	Transformation, to annual crop, irrigated	land
72e0dadc-3e66-3db3-b449-16afef5e7b22	19f84b2e-e6ff-4351-ba3a-8b65ofc20d14	Occupation, pasture, man made, extensive	land
728f595c-7f03-43b7-8003-b2f9898a68d0	ff6dcccc1-5ebd-42c3-9fd9-3d73db7a3dd2	Transformation, to forest, secondary (non-use)	land
710a323d-a405-4859-8bcd-bdada550806a	ce132b7d-ab1c-4df3-9656-8fe37ede77b1	Transformation, to grassland, natural, for livestock grazing	land
6df979ed-1ca2-3317-b6ae-3f82b128a977	2c126bcc-bb63-4d63-bd72-f02a1e616809	Transformation, from pasture, man made	land
6de7ded7-4f84-4652-bc6b-1207f1afo12c	of923637-e322-44d8-9ff2-9c765d75e253	Occupation, forest, primary (non-use)	land
6bbe85ee-d056-31cd-a629-da934f1boa1d	a487b7db-318a-46ff-8e52-2837fab777ad	Transformation, to permanent crop, irrigated	land
66d4ab9a-boc9-307c-bab5-8f2a04c5c6f9	e97b784a-eco9-4b1b-9f14-ccoce9799c9e	Transformation, to annual crop, non-irrigated	land
65b95f42-29f8-4f42-9a00-ob91d2363c17	9d136389-8670-45ae-ad1d-a06848a1fd1d	Transformation, from forest, primary (non-use)	land
64f2cbe7-791b-4d4b-bd13-foc142922738	9dbo6277-b6d9-4c48-8cfb-de342e928a50	Occupation, seabed, infrastructure	land
61d316ad-7f5a-4bc1-915f-1336263035cf	a70beb60-354d-4dcd-b6fd-8c251357fb2a	Transformation, from annual crop, irrigated	land
606a2f32-d407-4346-ae57-eeef28d9d33f	46cfaeaf-f124-409f-998d-47b159051cec	Transformation, to unspecified, natural (non-use)	land
5c26adb8-cdo1-4177-b77c-d17dfca4d16c	7af0b1a6-2e8f-407a-8ac7-bo2a2023155b	Occupation, seabed, unspecified	land
572be08f-df93-393b-a1b1-1fd2113d12e3	0930b6b8-d9c6-4462-966f-ac7495b63bed	Transformation, from forest, unspecified	land
56doag56-oaf8-4093-8504-a08b27dd2a68	d36dd104-5214-4ca2-b1ab-c878987a42fe	Transformation, to wetland, inland (non-use)	land
55c8f839-9908-45c2-bc1b-df7a3f7b34f3	c3c3d385-57fa-4d47-a2c5-d838006e7985	Transformation, to annual crop, irrigated, intensive	land
55836b23-8496-3e8f-bfa4-99163831b3c6	bbagf623-5919-4ef3-b98d-c94af1553179	Transformation, to forest, unspecified	land
5568d143-4b51-34f7-853f-287dc8ce786e	3afbcb2d-1b51-4d43-87a7-e68291c1e999	Occupation, permanent crop, irrigated, intensive	land
537ec577-od4f-3570-be43-f6259cebe123	7464da86-f239-4bef-a778-04d5818bb956	Transformation, to pasture, man made, extensive	land
525b8812-77d3-4248-aa8e-805910443a23	c7d2cf2d-od21-45f7-9769-bo7f3e53b76a	Transformation, to seabed, infrastructure	land
4fobaf82-3128-4d23-a722-7a75f10dc987	12c7671c-e4aa-46c6-93c5-b6f9ac1c453b	Occupation, annual crop, irrigated, extensive	land
4e1715ba-f7fc-4732-a317-c25ca01f7b20	b905c2eo-aodb-4e66-80d2-8bdfc93c6218	Transformation, from grassland, natural (non-use)	land

4a49c025-f03c-4eab-aoeb-bo6d1a4442db	70c4c6d8-ed81-4763-ae6d-39e54efob1fa	Occupation, seabed, drilling and mining	land
479bfa4b-215e-3070-8921-d31a3a80bed2	82f2476e-988b-4d7a-bde6-5da9337d1f65	Transformation, from pasture, man made, extensive	land
42cobo68-baod-42e3-9549-c35b455ab873	84b11d12-ao78-44e7-9d6e-7675aoe23c4d	Occupation, forest, secondary (non-use)	land
40b46313-9caf-3f48-9baf-e575f227b746	d585d599-o5f1-47ff-8c41-79of51830b9b	Transformation, from permanent crop, irrigated, intensive	land
3fa694bc-8c9e-406d-b7aa-f2e5od8511b8	9fd128fe-d8c5-476f-af42-2795d5f5d227	Occupation, annual crop, irrigated, intensive	land
3f12d09b-9c00-3c64-974d-fe55c7853a32	7a16b680-6d9a-4db3-a23e-oec64aca5995	Transformation, to pasture, man made	land
395c7600-604a-4e1f-85df-b5f94edeb659	69dfa439-8e4e-4cae-bboc-85a8aa8b9a73	Occupation, lake, artificial	land
32791291-9f65-3e12-a44e-91a43039858e	fe9c3a98-a6d2-452d-aga4-a13e64f1b95b	Occupation, industrial area	land
2f931a4c-85e7-32a2-ae1c-5f2ed70f579c	c5aafa60-495c-461c-a1d4-b262a34c45b9	Occupation, annual crop	land
2f5a81ae-2a76-4807-8d8d-a4beoc11acfa	9b5b8c40-38fe-42fb-8130-56c15e485fdo	Transformation, to seabed, drilling and mining	land
2890559b-795a-369a-b9c5-fa4b3c4e4793	ab3e851e-21c9-47cf-8e7d-5f96dfa3ba5	Transformation, from annual crop, non-irrigated, intensive	land
276c95b8-3eb7-42e9-9bb7-f8125e33f486	f157b88d-f288-473c-8b03-of97b58235ff	Transformation, to urban/industrial fallow (non-use)	land
262300f8-1e07-3262-903d-7ec70d5a091f	c7869c43-266c-429d-bfd5-6b578ed32ce8	Transformation, from annual crop, non-irrigated, extensive	land
23bce6d9-34d7-4be0-ba7d-4fd4e896e6do	2b8aof87-bd2a-4b10-8dd9-714487f59fc9	Occupation, grassland, natural (non-use)	land
21baa1af-e8af-425b-a127-91629f718508	18636f13-f552-4136-a353-3b5a8e5f87d1	Occupation, permanent crop, non-irrigated	land
20d4e056-a3ca-3979-ba88-3ca5aafeb3a7	994d61de-fbbo-4187-a4d4-b11c3c2b9102	Transformation, to forest, intensive	land
1c359785-3e70-4eob-be1c-6258f9f20708	7e7d6ebb-8c9c-4ecb-b64b-23a8c2c908c4	Occupation, permanent crop, irrigated, extensive	land
1b3f4afi-ca0a-4235-af27-5603odf17933	84b65d8f-2edd-4ddd-8f68-ca28d1c681bo	Transformation, to lake, artificial	land
176fbo14-683d-3d91-9b76-bfc4314ff03c	93ac2969-a4e9-49b5-8b97-5cbc6b9b2601	Transformation, to permanent crop, irrigated, intensive	land
13c774db-2063-35d2-9c25-7e0fid40063a	f05cca02-ec18-4acc-9939-59658ff9a554	Transformation, from annual crop	land
117350ee-1a4e-33ed-b459-91c32892b011	2e52cbfa-94d7-432b-892f-431daa71a6ef	Transformation, to annual crop, non-irrigated, intensive	land
115bd846-7cf5-4c04-a14c-a176d1d11d77	4da2ea28-8273-4901-9931-264169ec7731	Transformation, from cropland fallow (non-use)	land
ocd281f8-78a2-4060-a188-295fcoeb8ecf	fe17e7c1-9574-4880-b7e6-ec09c2e3ae5d	Transformation, to grassland, natural (non-use)	land
07de5af6-a8bd-3be1-81f6-2d2450498ba1	c9461a73-d00a-4fc7-a890-ageda6af3185	Occupation, permanent crop, non-irrigated, intensive	land
06e47712-8456-3880-92ca-bb83cca52092	ec242c43-095c-4b42-8907-eof13573foa4	Transformation, to pasture, man made, intensive	land
05cd834e-341d-3930-ac07-7874077bo86b	592bf69f-8551-4611-8942-4620beoadabe	Transformation, from pasture, man made, intensive	land
02a41f77-2842-36e6-983c-987f8637d289	aa784c1b-odob-4c69-b631-bo45d6ee61af	Transformation, to permanent crop, non-irrigated, intensive	land
9581ff25-30c2-45d7-b415-30746bc5611b	15ecd7f4-7734-44ec-af1c-8d3a46d27f1f	Cobalt	unspecified
ad530393-d319-3104-af95-3cd07dbbdc1d	b8b73d09-394b-4e05-8e08-6e77387dc2e4	Gas, mine, off-gas, process, coal mining/kg	unspecified