

003_landing_category

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A closer look at landing category

Overall conclusion

This is slightly messy and it is not straight forward to assign a landing category, when you don't know the landing locations and other countries fisheries.

So, what will we use landings category for?

1. Sampling protocols for IND and HUC may differ. Wouldn't the difference be between factories (pumping / conveying belt) and auction (sorted boxes)? This could be solved by describing the most important location, see 004_locations pdf and spreadsheet
2. Could be relevant for splitting OTM_SPF_16_104_0_0
3. It has been / are being use for assigning landings of WBSS to fleets in the stock assessment model.
4. Other?

All countries

Table 1: Landing categories

vslFlgCtry	sppName	landCat	tons
DEU	Clupea harengus	HCN	56130.888
DEU	Clupea harengus	IND	12938.816
DEU	Clupea harengus	UKN	871.313
DEU	Sprattus sprattus	HCN	88650.227
DEU	Sprattus sprattus	IND	44731.180
DEU	Sprattus sprattus	UKN	2.203
DNK	Clupea harengus	HUC	35603.648
DNK	Sprattus sprattus	HUC	535.584
DNK	Sprattus sprattus	IND	56539.698
EST	Clupea harengus		7734.924
EST	Clupea harengus	HUC	62109.714
EST	Clupea harengus	IND	33.932
EST	Sprattus sprattus		5271.859
EST	Sprattus sprattus	HUC	50885.406
EST	Sprattus sprattus	IND	14.094
FIN	Clupea harengus	HUC	78014.105
FIN	Clupea harengus	IND	176283.296
FIN	Sprattus sprattus	IND	32532.596
LTU	Clupea harengus	HUC	3440.406
LTU	Clupea harengus	IND	6658.614
LTU	Sprattus sprattus	HUC	5288.786
LTU	Sprattus sprattus	IND	24149.120
LVA	Clupea harengus	WHL	22929.848
LVA	Sprattus sprattus	WHL	35740.447

vslFlgCtry	sppName	landCat	tons
POL	Clupea harengus	HUC	94135.679
POL	Sprattus sprattus	HUC	151584.166
SWE	Clupea harengus	HUC	117968.533
SWE	Clupea harengus	IND	68153.171
SWE	Sprattus sprattus	HUC	52222.587
SWE	Sprattus sprattus	IND	46482.288

DEU

Recode “HCN” and “UKN” to HUC - *ok?*

According to Sven: “UKN” (unknown), i.e. private use and private marketing

DNK

a little bit strange with Sprat for HUC - *to check*

EST

Some landings without landing category. These are not known, so we agreeded to distribute these landings, *but how?*

A closer look

- All landings with missing landCat are from big vessels, all fishing with OTM_SPF_16_104_0_0
- All landings abroad have missing landCat - all landings in Esonia have info about landCat
- What are normally landed at these location? - not a clear pattern

Table 2: Landing categories

vslFlgCtry	sppName	vslLenCls	foCatEu6	landCat	tons
EST	Clupea harengus		FYK_FWS_>0_0_0	HUC	0.96560
EST	Clupea harengus		GNS_FWS_>0_0_0	HUC	0.40100
EST	Clupea harengus	VL0008	FPN_SPF_>0_0_0	HUC	151.08350
EST	Clupea harengus	VL0008	FYK_FWS_>0_0_0	HUC	83.24432
EST	Clupea harengus	VL0008	GNS_FWS_>0_0_0	HUC	11.05835
EST	Clupea harengus	VL0810	FPN_SPF_>0_0_0	HUC	2197.42000
EST	Clupea harengus	VL0810	FYK_FWS_>0_0_0	HUC	63.99340
EST	Clupea harengus	VL0810	GNS_FWS_>0_0_0	HUC	10.11210
EST	Clupea harengus	VL1012	FPN_SPF_>0_0_0	HUC	11445.76900
EST	Clupea harengus	VL1012	FYK_FWS_>0_0_0	HUC	0.55900
EST	Clupea harengus	VL1218	FPN_SPF_>0_0_0	HUC	2471.96200
EST	Clupea harengus	VL1218	OTM_SPF_16_104_0_0	HUC	440.24000
EST	Clupea harengus	VL1824	OTM_SPF_16_104_0_0		1219.75900
EST	Clupea harengus	VL1824	OTM_SPF_16_104_0_0	HUC	10927.59200
EST	Clupea harengus	VL2440	OTM_SPF_16_104_0_0		6515.16500
EST	Clupea harengus	VL2440	OTM_SPF_16_104_0_0	HUC	34305.31400
EST	Clupea harengus	VL2440	OTM_SPF_16_104_0_0	IND	33.93200
EST	Sprattus sprattus		GNS_FWS_>0_0_0	HUC	0.00050
EST	Sprattus sprattus	VL0008	FPN_SPF_>0_0_0	HUC	0.10000
EST	Sprattus sprattus	VL0008	FYK_FWS_>0_0_0	HUC	0.04000

vslFlgCtry	sppName	vslLenCls	foCatEu6	landCat	tons
EST	Sprattus sprattus	VL0008	GNS_FWS_>0_0_0	HUC	0.52700
EST	Sprattus sprattus	VL0810	FPN_SPF_>0_0_0	HUC	0.04000
EST	Sprattus sprattus	VL0810	FYK_FWS_>0_0_0	HUC	0.00700
EST	Sprattus sprattus	VL0810	GNS_FWS_>0_0_0	HUC	0.01130
EST	Sprattus sprattus	VL1012	FYK_FWS_>0_0_0	HUC	0.02300
EST	Sprattus sprattus	VL1218	OTM_SPF_16_104_0_0	HUC	410.39900
EST	Sprattus sprattus	VL1824	OTM_SPF_16_104_0_0		1062.66400
EST	Sprattus sprattus	VL1824	OTM_SPF_16_104_0_0	HUC	11913.05400
EST	Sprattus sprattus	VL2440	OTM_SPF_16_104_0_0		4209.19500
EST	Sprattus sprattus	VL2440	OTM_SPF_16_104_0_0	HUC	38561.20400
EST	Sprattus sprattus	VL2440	OTM_SPF_16_104_0_0	IND	14.09400

Table 3: Landing categories

vslFlgCtry	sppName	substr(landLoc, 1, 2)	landCat	tons
EST	Clupea harengus	EE	HUC	62109.714
EST	Clupea harengus	EE	IND	33.932
EST	Clupea harengus	FI		2521.952
EST	Clupea harengus	LV		3693.320
EST	Clupea harengus	SE		1519.652
EST	Sprattus sprattus	EE	HUC	50885.406
EST	Sprattus sprattus	EE	IND	14.094
EST	Sprattus sprattus	FI		2421.838
EST	Sprattus sprattus	LV		916.929
EST	Sprattus sprattus	SE		1933.092

Table 4: Landing categories

vslFlgCtry	sppName	area	landCat	tons
EST	Clupea harengus	27.3.d.27		1076.097
EST	Clupea harengus	27.3.d.28.1		3223.440
EST	Clupea harengus	27.3.d.28.1	HUC	23069.852
EST	Clupea harengus	27.3.d.28.2		772.900
EST	Clupea harengus	27.3.d.28.2	HUC	3244.363
EST	Clupea harengus	27.3.d.28.2	IND	19.975
EST	Clupea harengus	27.3.d.29		2599.628
EST	Clupea harengus	27.3.d.29	HUC	10978.458
EST	Clupea harengus	27.3.d.29	IND	13.957
EST	Clupea harengus	27.3.d.32		62.859
EST	Clupea harengus	27.3.d.32	HUC	24817.040
EST	Sprattus sprattus	27.3.d.27		1161.323
EST	Sprattus sprattus	27.3.d.28		1400.527
EST	Sprattus sprattus	27.3.d.28	HUC	4969.118
EST	Sprattus sprattus	27.3.d.28	IND	6.605
EST	Sprattus sprattus	27.3.d.29		2589.376
EST	Sprattus sprattus	27.3.d.29	HUC	18552.463
EST	Sprattus sprattus	27.3.d.29	IND	7.489
EST	Sprattus sprattus	27.3.d.32		120.633
EST	Sprattus sprattus	27.3.d.32	HUC	27363.825

Table 5: Landing categories

landLoc	vslFlgCtry	sppName	landCat	tons
FIKNA	EST	Clupea harengus		1677.337
FIKNA	EST	Sprattus sprattus		1549.325
FIKNA	FIN	Clupea harengus	HUC	31411.808
FIKNA	FIN	Clupea harengus	IND	1808.579
FIKNA	FIN	Sprattus sprattus	IND	10365.347
FITUO	EST	Clupea harengus		844.615
FITUO	EST	Sprattus sprattus		872.513
FITUO	FIN	Clupea harengus	HUC	13591.824
FITUO	FIN	Clupea harengus	IND	11337.864
FITUO	FIN	Sprattus sprattus	IND	3003.174
LVROJ	EST	Clupea harengus		1467.304
LVROJ	EST	Sprattus sprattus		115.106
LVROJ	LVA	Clupea harengus	WHL	7706.808
LVROJ	LVA	Sprattus sprattus	WHL	933.677
LVSAL	EST	Clupea harengus		1756.136
LVSAL	EST	Sprattus sprattus		76.926
LVSAL	LVA	Clupea harengus	WHL	1869.837
LVSAL	LVA	Sprattus sprattus	WHL	341.289
LVVNT	EST	Clupea harengus		469.880
LVVNT	EST	Sprattus sprattus		724.897
LVVNT	LTU	Clupea harengus	HUC	445.863
LVVNT	LTU	Sprattus sprattus	HUC	1369.969
LVVNT	LVA	Clupea harengus	WHL	3597.237
LVVNT	LVA	Sprattus sprattus	WHL	19278.726
LVVNT	POL	Clupea harengus	HUC	954.020
LVVNT	POL	Sprattus sprattus	HUC	2383.130
SEVVK	DEU	Clupea harengus	HCN	720.000
SEVVK	DEU	Sprattus sprattus	HCN	1582.132
SEVVK	EST	Clupea harengus		1519.652
SEVVK	EST	Sprattus sprattus		1933.092
SEVVK	FIN	Clupea harengus	IND	2264.245
SEVVK	FIN	Sprattus sprattus	IND	1776.404
SEVVK	LTU	Clupea harengus	HUC	73.000
SEVVK	LTU	Clupea harengus	IND	573.960
SEVVK	LTU	Sprattus sprattus	HUC	279.500
SEVVK	LTU	Sprattus sprattus	IND	1290.800
SEVVK	POL	Clupea harengus	HUC	1535.730
SEVVK	POL	Sprattus sprattus	HUC	4138.490
SEVVK	SWE	Clupea harengus	HUC	23661.842
SEVVK	SWE	Clupea harengus	IND	6427.074
SEVVK	SWE	Sprattus sprattus	HUC	16658.035
SEVVK	SWE	Sprattus sprattus	IND	1329.095

FIN

OK

LTU

OK

LVA

From Maris “All lines in Latvian data is landings for Human consumption. If some landings are sold for industrial purposes it is not reflected in the logbooks. Latvia in EUROSTAT all landings record as for Human consumption”

According to the Danish sales slips all Latvian landings into DKNEX are “IND”

Table 6: Landing categories

vslFlgCtry	sppName	landLoc	landCat	tons
LVA	Clupea harengus	DKHEL	WHL	25.000
LVA	Clupea harengus	DKNEX	WHL	448.672
LVA	Clupea harengus	LVKVZ	WHL	223.870
LVA	Clupea harengus	LVLPX	WHL	2281.150
LVA	Clupea harengus	LVMRX	WHL	3002.680
LVA	Clupea harengus	LPPAV	WHL	306.860
LVA	Clupea harengus	LVRIX	WHL	421.019
LVA	Clupea harengus	LVROJ	WHL	7706.808
LVA	Clupea harengus	LVSAL	WHL	1869.837
LVA	Clupea harengus	LVSKU	WHL	2863.000
LVA	Clupea harengus	LVVNT	WHL	3597.237
LVA	Clupea harengus	PLKOL	WHL	183.715
LVA	Sprattus sprattus	DKHEL	WHL	119.360
LVA	Sprattus sprattus	DKNEX	WHL	2983.612
LVA	Sprattus sprattus	LVKVZ	WHL	39.620
LVA	Sprattus sprattus	LVLPX	WHL	9934.933
LVA	Sprattus sprattus	LVMRX	WHL	243.110
LVA	Sprattus sprattus	LPPAV	WHL	650.420
LVA	Sprattus sprattus	LVRIX	WHL	19.400
LVA	Sprattus sprattus	LVROJ	WHL	933.677
LVA	Sprattus sprattus	LVSAL	WHL	341.289
LVA	Sprattus sprattus	LVSKU	WHL	1149.000
LVA	Sprattus sprattus	LVVNT	WHL	19278.726
LVA	Sprattus sprattus	PLKOL	WHL	47.300

POL

Everything set to “HUC”

According to the Danish sales slips 99.9% of the Polish landings into DKNEX are “IND”

Table 7: Landing categories

vslFlgCtry	sppName	vslLenCls	foCatEu6	landCat	tons
POL	Clupea harengus	VL0008	FPO_ANA_>0_0_0	HUC	0.3000
POL	Clupea harengus	VL0008	FPO_DEF_>0_0_0	HUC	0.1530
POL	Clupea harengus	VL0008	FPO_FWS_>0_0_0	HUC	2.7050

vslFlgCtry	sppName	vslLenCls	foCatEu6	landCat	tons
POL	Clupea harengus	VL0008	FPO_SPF_>0_0_0	HUC	489.5930
POL	Clupea harengus	VL0008	GNS_ANA_>=157_0_0	HUC	0.1810
POL	Clupea harengus	VL0008	GNS_DEF_>=157_0_0	HUC	0.0260
POL	Clupea harengus	VL0008	GNS_DEF_110-156_0_0	HUC	2.0030
POL	Clupea harengus	VL0008	GNS_FWS_>0_0_0	HUC	1.9980
POL	Clupea harengus	VL0008	GNS_SPF_32-109_0_0	HUC	241.7006
POL	Clupea harengus	VL0810	FPO_ANA_>0_0_0	HUC	0.3800
POL	Clupea harengus	VL0810	FPO_DEF_>0_0_0	HUC	0.0090
POL	Clupea harengus	VL0810	FPO_FWS_>0_0_0	HUC	16.0660
POL	Clupea harengus	VL0810	FPO_SPF_>0_0_0	HUC	1514.8110
POL	Clupea harengus	VL0810	GNS_ANA_>=157_0_0	HUC	0.0200
POL	Clupea harengus	VL0810	GNS_DEF_110-156_0_0	HUC	0.8000
POL	Clupea harengus	VL0810	GNS_FWS_>0_0_0	HUC	0.3750
POL	Clupea harengus	VL0810	GNS_SPF_32-109_0_0	HUC	924.3832
POL	Clupea harengus	VL0810	LLS_DEF_0_0_0	HUC	0.0200
POL	Clupea harengus	VL0810	OTB_FWS_>0_0_0	HUC	0.7250
POL	Clupea harengus	VL0810	OTB_SPF_32-104_0_0	HUC	2.1900
POL	Clupea harengus	VL0810	OTM_SPF_32-104_0_0	HUC	1.3500
POL	Clupea harengus	VL1012	FPO_SPF_>0_0_0	HUC	464.2770
POL	Clupea harengus	VL1012	GNS_DEF_>=157_0_0	HUC	0.0020
POL	Clupea harengus	VL1012	GNS_DEF_110-156_0_0	HUC	0.2490
POL	Clupea harengus	VL1012	GNS_FWS_>0_0_0	HUC	0.1980
POL	Clupea harengus	VL1012	GNS_SPF_32-109_0_0	HUC	1313.3730
POL	Clupea harengus	VL1012	LLS_DEF_0_0_0	HUC	0.0500
POL	Clupea harengus	VL1012	OTB_DEF_>=105_1_120	HUC	0.3500
POL	Clupea harengus	VL1012	OTB_FWS_>0_0_0	HUC	3.1685
POL	Clupea harengus	VL1012	OTB_SPF_32-104_0_0	HUC	34.3620
POL	Clupea harengus	VL1012	OTM_SPF_32-104_0_0	HUC	23.3800
POL	Clupea harengus	VL1218	GNS_ANA_>=157_0_0	HUC	0.0020
POL	Clupea harengus	VL1218	GNS_DEF_110-156_0_0	HUC	0.4060
POL	Clupea harengus	VL1218	GNS_SPF_32-109_0_0	HUC	67.1500
POL	Clupea harengus	VL1218	OTB_DEF_>=105_1_120	HUC	0.5250
POL	Clupea harengus	VL1218	OTB_FWS_>0_0_0	HUC	9.4460
POL	Clupea harengus	VL1218	OTB_SPF_16-31_0_0	HUC	23.2000
POL	Clupea harengus	VL1218	OTB_SPF_32-104_0_0	HUC	84.5600
POL	Clupea harengus	VL1218	OTM_DEF_<16_0_0	HUC	88.5000
POL	Clupea harengus	VL1218	OTM_SPF_16-31_0_0	HUC	548.7340
POL	Clupea harengus	VL1218	OTM_SPF_32-104_0_0	HUC	905.8000
POL	Clupea harengus	VL1218	PTB_SPF_>=105_1_120	HUC	1.0000
POL	Clupea harengus	VL1218	PTB_SPF_16-31_0_0	HUC	23.2000
POL	Clupea harengus	VL1218	PTB_SPF_32-104_0_0	HUC	26.7000
POL	Clupea harengus	VL1218	PTM_SPF_16-31_0_0	HUC	296.4000
POL	Clupea harengus	VL1218	PTM_SPF_32-104_0_0	HUC	86.0000
POL	Clupea harengus	VL1824	GNS_ANA_>=157_0_0	HUC	0.0030
POL	Clupea harengus	VL1824	GNS_DEF_110-156_0_0	HUC	0.0010
POL	Clupea harengus	VL1824	GNS_SPF_32-109_0_0	HUC	0.0230
POL	Clupea harengus	VL1824	LLD_SPF_0_0_0	HUC	4.0000
POL	Clupea harengus	VL1824	OTB_DEF_<16_0_0	HUC	0.0360
POL	Clupea harengus	VL1824	OTB_DEF_>=105_1_120	HUC	1.4370
POL	Clupea harengus	VL1824	OTB_FWS_>0_0_0	HUC	2.2200
POL	Clupea harengus	VL1824	OTB_SPF_16-31_0_0	HUC	104.2520
POL	Clupea harengus	VL1824	OTB_SPF_32-104_0_0	HUC	65.1750

vslFlgCtry	sppName	vslLenCls	foCatEu6	landCat	tons
POL	Clupea harengus	VL1824	OTM_DEF_<16_0_0	HUC	40.5000
POL	Clupea harengus	VL1824	OTM_SPF_16-31_0_0	HUC	11012.1560
POL	Clupea harengus	VL1824	OTM_SPF_32-104_0_0	HUC	5324.9700
POL	Clupea harengus	VL1824	PTB_SPF_16-31_0_0	HUC	1.3000
POL	Clupea harengus	VL1824	PTB_SPF_32-104_0_0	HUC	3.5000
POL	Clupea harengus	VL1824	PTM_SPF_16-31_0_0	HUC	2926.9090
POL	Clupea harengus	VL1824	PTM_SPF_32-104_0_0	HUC	41.8500
POL	Clupea harengus	VL2440	OTB_SPF_16-31_0_0	HUC	0.3000
POL	Clupea harengus	VL2440	OTB_SPF_32-104_0_0	HUC	8.5000
POL	Clupea harengus	VL2440	OTM_DEF_<16_0_0	HUC	23.0500
POL	Clupea harengus	VL2440	OTM_SPF_16-104_0_0	HUC	1972.4710
POL	Clupea harengus	VL2440	OTM_SPF_16-31_0_0	HUC	23417.8300
POL	Clupea harengus	VL2440	OTM_SPF_32-104_0_0	HUC	41984.3750
POL	Sprattus sprattus	VL0008	GNS_DEF_110-156_0_0	HUC	0.0800
POL	Sprattus sprattus	VL0008	GNS_SPF_32-109_0_0	HUC	0.9100
POL	Sprattus sprattus	VL0810	GNS_SPF_32-109_0_0	HUC	0.0150
POL	Sprattus sprattus	VL1012	FPO_SPF_>0_0_0	HUC	0.3900
POL	Sprattus sprattus	VL1012	OTB_DEF_<16_0_0	HUC	0.1600
POL	Sprattus sprattus	VL1012	OTB_SPF_16-31_0_0	HUC	15.5000
POL	Sprattus sprattus	VL1012	OTM_DEF_<16_0_0	HUC	34.0870
POL	Sprattus sprattus	VL1218	GNS_DEF_110-156_0_0	HUC	0.0060
POL	Sprattus sprattus	VL1218	GNS_SPF_32-109_0_0	HUC	0.0960
POL	Sprattus sprattus	VL1218	OTB_DEF_>=105_1_120	HUC	0.1200
POL	Sprattus sprattus	VL1218	OTB_SPF_16-31_0_0	HUC	81.2000
POL	Sprattus sprattus	VL1218	OTM_DEF_<16_0_0	HUC	104.3500
POL	Sprattus sprattus	VL1218	OTM_SPF_16-31_0_0	HUC	2709.3910
POL	Sprattus sprattus	VL1218	OTM_SPF_32-104_0_0	HUC	181.2050
POL	Sprattus sprattus	VL1218	PTB_SPF_>=105_1_120	HUC	5.0000
POL	Sprattus sprattus	VL1218	PTB_SPF_16-31_0_0	HUC	34.8000
POL	Sprattus sprattus	VL1218	PTB_SPF_32-104_0_0	HUC	22.4000
POL	Sprattus sprattus	VL1218	PTM_SPF_16-31_0_0	HUC	897.0000
POL	Sprattus sprattus	VL1218	PTM_SPF_32-104_0_0	HUC	5.6000
POL	Sprattus sprattus	VL1824	GNS_SPF_32-109_0_0	HUC	0.1100
POL	Sprattus sprattus	VL1824	LLD_SPF_0_0_0	HUC	36.0000
POL	Sprattus sprattus	VL1824	OTB_DEF_<16_0_0	HUC	3.0120
POL	Sprattus sprattus	VL1824	OTB_SPF_16-31_0_0	HUC	222.6030
POL	Sprattus sprattus	VL1824	OTB_SPF_32-104_0_0	HUC	72.1000
POL	Sprattus sprattus	VL1824	OTM_DEF_<16_0_0	HUC	65.5000
POL	Sprattus sprattus	VL1824	OTM_SPF_16-31_0_0	HUC	27480.6400
POL	Sprattus sprattus	VL1824	OTM_SPF_32-104_0_0	HUC	606.5950
POL	Sprattus sprattus	VL1824	PTB_SPF_32-104_0_0	HUC	0.5000
POL	Sprattus sprattus	VL1824	PTM_SPF_16-31_0_0	HUC	4846.8950
POL	Sprattus sprattus	VL1824	PTM_SPF_32-104_0_0	HUC	3.4000
POL	Sprattus sprattus	VL2440	OTB_SPF_16-31_0_0	HUC	11.5000
POL	Sprattus sprattus	VL2440	OTM_DEF_<16_0_0	HUC	66.0000
POL	Sprattus sprattus	VL2440	OTM_SPF_16-104_0_0	HUC	6566.8800
POL	Sprattus sprattus	VL2440	OTM_SPF_16-31_0_0	HUC	100884.3920
POL	Sprattus sprattus	VL2440	OTM_SPF_32-104_0_0	HUC	6625.7290

Table 8: Landing categories

vslFlgCtry	sppName	substr(landLoc, 1, 2)	landCat	tons
POL	Clupea harengus	DK	HUC	12642.12
POL	Clupea harengus	LV	HUC	954.02
POL	Clupea harengus	PL	HUC	78891.71
POL	Clupea harengus	SE	HUC	1647.83
POL	Sprattus sprattus	DK	HUC	35009.58
POL	Sprattus sprattus	LV	HUC	2383.13
POL	Sprattus sprattus	PL	HUC	110002.46
POL	Sprattus sprattus	SE	HUC	4188.99

Table 9: Landing categories

vslFlgCtry	sppName	landLoc	landCat	tons
POL	Clupea harengus	DKGRE	HUC	666.00000
POL	Clupea harengus	DKNEX	HUC	10559.12300
POL	Clupea harengus	DKRNN	HUC	1027.00000
POL	Clupea harengus	DKSKA	HUC	390.00000
POL	Clupea harengus	LVVNT	HUC	954.02000
POL	Clupea harengus	PLCHL	HUC	0.09260
POL	Clupea harengus	PLCHP	HUC	4.86500
POL	Clupea harengus	PLCPY	HUC	48.80500
POL	Clupea harengus	PLDAR	HUC	57.74000
POL	Clupea harengus	PLDEK	HUC	3.16800
POL	Clupea harengus	PLDKI	HUC	0.31400
POL	Clupea harengus	PLDWI	HUC	19.03000
POL	Clupea harengus	PLDZN	HUC	936.24700
POL	Clupea harengus	PLFBK	HUC	181.49500
POL	Clupea harengus	PLGDN	HUC	15.60000
POL	Clupea harengus	PLGDY	HUC	1.20000
POL	Clupea harengus	PLGKZ	HUC	12.55515
POL	Clupea harengus	PLHEL	HUC	27624.37800
POL	Clupea harengus	PLJAL	HUC	0.70000
POL	Clupea harengus	PLJAN	HUC	3.07400
POL	Clupea harengus	PLJAT	HUC	33.90200
POL	Clupea harengus	PLJLT	HUC	6.39300
POL	Clupea harengus	PLKAT	HUC	21.12000
POL	Clupea harengus	PLKM2	HUC	23.12000
POL	Clupea harengus	PLKMI	HUC	31.98500
POL	Clupea harengus	PLKOL	HUC	22768.65900
POL	Clupea harengus	PLKPI	HUC	0.05700
POL	Clupea harengus	PLKTR	HUC	15.38100
POL	Clupea harengus	PLKUZ	HUC	1.80800
POL	Clupea harengus	PLLBI	HUC	29.01500
POL	Clupea harengus	PLLEA	HUC	119.65600
POL	Clupea harengus	PLMEC	HUC	8.98600
POL	Clupea harengus	PLMEZ	HUC	123.66400
POL	Clupea harengus	PLMID	HUC	302.63900
POL	Clupea harengus	PLMKZ	HUC	5.42000
POL	Clupea harengus	PLNIC	HUC	59.62500
POL	Clupea harengus	PLOBL	HUC	4.01700

vslFlgCtry	sppName	landLoc	landCat	tons
POL	Clupea harengus	PLOKY	HUC	0.88800
POL	Clupea harengus	PLORW	HUC	6.19000
POL	Clupea harengus	PLPAA	HUC	958.47200
POL	Clupea harengus	PLPEN	HUC	3.75000
POL	Clupea harengus	PLPI2	HUC	261.78900
POL	Clupea harengus	PLPII	HUC	64.47800
POL	Clupea harengus	PLPUC	HUC	0.96000
POL	Clupea harengus	PLREW	HUC	0.79800
POL	Clupea harengus	PLROW	HUC	11.71600
POL	Clupea harengus	PLRWL	HUC	192.74900
POL	Clupea harengus	PLSBN	HUC	7.94600
POL	Clupea harengus	PLSGN	HUC	1.90500
POL	Clupea harengus	PLSJK	HUC	3.94100
POL	Clupea harengus	PLSOP	HUC	10.11900
POL	Clupea harengus	PLSUZ	HUC	187.73300
POL	Clupea harengus	PLSWI	HUC	1484.69050
POL	Clupea harengus	PLSWR	HUC	1.47900
POL	Clupea harengus	PLTBZ	HUC	68.13700
POL	Clupea harengus	PLTMO	HUC	90.54300
POL	Clupea harengus	PLUMS	HUC	3.03500
POL	Clupea harengus	PLUNI	HUC	12.94200
POL	Clupea harengus	PLUST	HUC	8403.21800
POL	Clupea harengus	PLWLA	HUC	14647.93700
POL	Clupea harengus	PLWSG	HUC	1.58000
POL	Clupea harengus	SESIM	HUC	112.10000
POL	Clupea harengus	SEVVK	HUC	1535.73000
POL	Sprattus sprattus	DKGRE	HUC	1574.00000
POL	Sprattus sprattus	DKNEX	HUC	28622.58100
POL	Sprattus sprattus	DKRNN	HUC	2518.00000
POL	Sprattus sprattus	DKSKA	HUC	2295.00000
POL	Sprattus sprattus	LVVNT	HUC	2383.13000
POL	Sprattus sprattus	PLDAR	HUC	64.70000
POL	Sprattus sprattus	PLDZN	HUC	74.00000
POL	Sprattus sprattus	PLGDN	HUC	27.10000
POL	Sprattus sprattus	PLGDY	HUC	25.00000
POL	Sprattus sprattus	PLGKZ	HUC	5.80000
POL	Sprattus sprattus	PLHEL	HUC	49548.52900
POL	Sprattus sprattus	PLJAT	HUC	1.95500
POL	Sprattus sprattus	PLKM2	HUC	0.66500
POL	Sprattus sprattus	PLKOL	HUC	28131.53600
POL	Sprattus sprattus	PLLEA	HUC	7.88700
POL	Sprattus sprattus	PLMEC	HUC	0.24500
POL	Sprattus sprattus	PLPEN	HUC	6.75000
POL	Sprattus sprattus	PLSOP	HUC	0.08000
POL	Sprattus sprattus	PLSWI	HUC	871.95000
POL	Sprattus sprattus	PLUST	HUC	10284.70600
POL	Sprattus sprattus	PLWLA	HUC	20951.56200
POL	Sprattus sprattus	SESIM	HUC	50.50000
POL	Sprattus sprattus	SEVVK	HUC	4138.49000

Table 10: Landing categories

vslFlgCtry	sppName	area	landCat	tons
POL	Clupea harengus	27.3.d.24	HUC	5103.568
POL	Clupea harengus	27.3.d.25	HUC	46669.207
POL	Clupea harengus	27.3.d.26	HUC	40343.534
POL	Clupea harengus	27.3.d.27	HUC	46.900
POL	Clupea harengus	27.3.d.28.2	HUC	1811.471
POL	Clupea harengus	27.3.d.29	HUC	161.000
POL	Sprattus sprattus	27.3.d.24	HUC	6319.345
POL	Sprattus sprattus	27.3.d.25	HUC	59920.792
POL	Sprattus sprattus	27.3.d.26	HUC	78061.949
POL	Sprattus sprattus	27.3.d.27	HUC	715.200
POL	Sprattus sprattus	27.3.d.28	HUC	5997.880
POL	Sprattus sprattus	27.3.d.29	HUC	569.000

SWE

Sweden will have a look at this