

Survey and diagnosis 2014

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Abstract:

The Questionnaire on Surveillance and Diagnosis (S&D) which is collated annually is the only comprehensive overview of the disease situation in aquaculture in Europe. The information has been made available on the EURL web site (www.eurl-fish.eu), where all raw data can be obtained. The S&D have evolved and changed a bit over the years it comprise 3 parts:

1. General data on aquaculture fish production, type, and size, health categorization of fish farms according to Council Directive 2006/88/EC, and information on national surveillance programmes.
2. Epidemiological data on the disease situation in each Member State with focus on the listed diseases but also including other diseases of interest.
3. Laboratory data from the NRLs and other laboratories, including the numbers of samples examined, and diagnoses of fish diseases made.

Production data from FIGIS

The data on the European aquaculture production were obtained from the FIGIS database. This database does not include information on the number and size of fish farms, and therefore these data had to be obtained directly in the questionnaire. In FIGIS only data from back to 2013 is available. Surprisingly and for the first time the total fish production in aquaculture in Europe did not increase in 2013. This is primarily reflected by the lower Atlantic salmon production, that might be due to the increase of the Chilean production or to a different reporting system in FIGIS. The Atlantic salmon production, however, still account for 1,43 mill ton against 1.5 mill ton in 2012, and is by far the largest contingency in Europe. The rainbow trout production has now passed the 400 000 t and increased with 12 000 t in 2013. The increase is however, primarily due to the increased production in Turkey! The carp production is still mainly in the Eastern part of Continental Europe and is very stable. Both the production of sea bream and especially sea bass also increased in the Mediterranean countries with a production of 142.000 t and 145.000 t, respectively. Among other fish species of interest are pike-perch (increase to 573t), eel (decrease to 4.017t), sturgeon (increase to 5.584t), turbot (decrease from 12.676t to 9.891t), and halibut (decrease from 1.854t to 1.485t) the cod production have almost collapsed from 22.729t in 2009 to 4.252t in 2013. The production of cleaner fish for lice control e.g. lumpfish is increasing significantly but the total production is not that easy to retrieve due to the many species involved in this industry. Pike-perch have still not yet obtained the expected increase, but seem to be under way, while the sturgeon production is still on growing and more attention regarding health management might be given to this species.

Health categorisation of fish farms:

Many countries provided very clear and correct answers but unfortunately a few more countries did not reply to the questionnaire when compared to the previous years. It is therefore still not possible to obtain a complete overview of the status of fish health categorization in Europe. There was however a significant increase in the reported number of categorized farms (From 8.505 in 2012 to 14.463 in 2013 for VHS and from 7.360 in 2012 to 11.962 in 2013 for KHV!) this was especially due to Germany who successfully included almost all their farms in categorized zones.

All most 3/4 of the authorised farms in Europe are situated in category III zones for VHS and 2/3 for IHN. For both diseases the remaining farms are situated in category I or II. Very few farms are placed in category V infected areas, and it is obvious that the diseases are very underreported. In all countries except Norway almost all salmonid farms are in Category I for ISA. Only very few carp farms are approved KHV free in Category I as almost all are placed in Category III or not categorized.

There are several different views on how categorisation shall be performed, e.g. should VHS free marine rainbow trout farms be placed in Category III or I? According to a new proposal for adaptation by the EU Commission Isavirus HPR0 if detected in or in proximity of a farm, the farm can remain its Category I status. Some Member states do not include small registered APBs in the categorisation (e.g. hobby farms) but according to 2006/88/EC Annex III health categorisation comprise all APBs in the Member states, zones and compartments for each category. However, only fish species listed as susceptible for the given listed disease shall be included, i.e. no sea bass / sea bream / eel farms / pike/perch etc. for IHN categories)

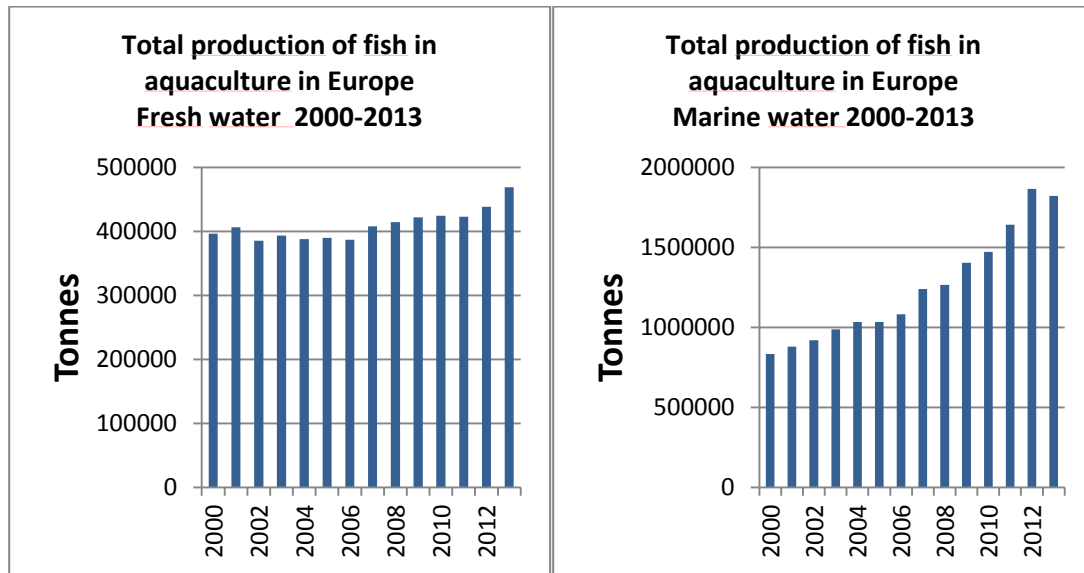
A new Animal Health Law is under preparation and revision and will include aquatic animals; in this connection the categorisation system might be simplified and be made more transparent.

Concerning the epidemiological data, obviously, there is still a severe underreporting of VHS, IHN and KHV in many countries. Only 52 and 54 of 8.896 farms are considered VHS or IHN infected, respectively, while 50 of 11.831 farms are considered KHV infected in the reporting countries. As in 2012 there were no ISA infected farms in Europe 31.12.2013! But there were a few outbreaks in Norway that have been contained.

Many countries have surveillance programmes for SVC (21 of 35 participating countries), BKD (17 of 35 countries), IPN (18 of 35 countries) and Gyrodactylus salicis (9 of 35 countries), for which they are seeking “additional guaranties” according to §42 in CD 2006/88/EC. The number of farms in the programmes varies from very few farms to many farms.

In northern European countries the most common problems are sea lice, pancreas disease, Amoebic gill disease in the salmon production, but in 2012 in addition several countries reported finding of Winter Ulcer Disease in salmon caused by *Moritella viscosa*. In continental Europe it is primarily bacterial diseases like ERM and Aeromonas infections, AGD and RTFS, while problems in the Mediterranean countries are the same as in continental except for Lactococcosis which is more common in Southern Europe and Nodavirus infection in mariculture which seem to play an increasing role.

There are very large differences between countries on how many samples are tested on cell cultures, ranging from < 100 to several thousands. The total number of samples examined by cell culture decreased with 8% since last year while PCR increased with 16% and is now more used than cell culture, e.g. Norway only tested 226 samples on cell cultures but 5000 samples by PCR, as they also skipped VHS/IHN surveillance by cell cultivation! The large number of PCR-tests conducted in some countries mostly reflects the KHV and ISA testing.



Total production of fish in aquaculture in Europe 2000 to 2013 (<http://www.fao.org/figis>)

COUNTRY	1.1 Number of fish farms within country/region, according to size of production (tonnes fish/year)				1.2 Number of fish farms within country/region, according to fish species									
	< 5 tonnes	5 - 100 tonnes	> 100 tonnes	Sum	Rainbow trout	Atlantic Salmon	Other salmonids	Carp	Eel	Flatfish	Seabream / Seabass	Other marine spp.	Other freshwater spp.	Total
	Austria				1319									
Belgium	44	2		46	43	1	40						6	90
Bulgaria	282	221	12	515	78			431				1	5	515
Cyprus	3 (Hatcheries)	8	6	14	7						9 (6 farms + 3 hatcheries)	3 Farm (Meagre), 1 Farm (Shrimps)	5 (Sturgeon)	7
Czech Republic	1532	33	35	1600	188		287	1461	6				1090	3034
Denmark	18	89	141	248	172	5	54	6	8	1	1	2	7	256
Estonia	9	18	2	29	21	1	3	4	3			1	9	42
Finland	427	129	44	600	269	41	300	21					230	861
France	1147	380	123	1650	600	16	112	358	11	4	18	17	486	1622
Germany	11.268	580	54	11902	4185	14	1286	6232	154	6	11	19	3905	15812
Greece	9	67	342	418	62		2	7	4		340		3	418
Hungary	61	142	41	244	4			223					17	244
Ireland	6	24	24	54	11	41	3	1					2	58
Italy	302	175	78	555	310		260	63	83		117	not available	68	901
Latvia	127	30	3	160	45	5	30	75	1				10	166
Lithuania	3	9	11	23	3			19	2				10	34
Netherlands	< 76	48	< 19	48	45		1	2	8	3			< 80	59
Poland				3656	601			3483					358	4442
Portugal	20	88	6	114	26			1		5	82			114
Romania	275	330	67	672	78		55	386		1			345	865
Slovakia	99	38	10	147	52 + 38 (rainbow trout and carp)			57 + 38 (rainbow trout)						
Slovenia	200	100	1	301	100		51	86			1		83	321
Spain	98	60	86	244	86	7	31	4	2	48	80	52	23	333
Sweden	22	81	64	167	115	6	64	1	1				11	198
England and Wales	207	94	15	316	164	30	131	130	4	1	1	1	128	590
Scotland	246	35	141	422	SW - 9 FW - 38	SW - 248 FW - 104	SW - 1 FW - 37	FW - 4		SW - 5	SW - 1	SW - 5 (+ 151 authorised to hold species for biological control)	FW - 3	
Northern Ireland	4	13	4	21	17	4	5	5*					3	29
Croatia	8	58	15	81	25	6		22		1	29	4		87
Turkey														
Albania														
Bosnia and Herzegovina					30		30	7			2	1		70
Iceland	11	24	18	53	12	13	30			2		5	2	64
Norway		Most hatcheries/smolt farms are in this category	Almost all commercial sea-water farms are in this category	1430	All salmonids are reported as Atlantic salmon	994 sea-water sites, 222 hatcheries/smolt farms	All salmonids are reported as Atlantic salmon		Included in other marine spp	Included in other marine spp		105		105
Switzerland	317	36	4	357	209		139						9	357
Faroe Islands		9	26	35		35								35
Kosovos														
Serbia					52			55						107
Rep. of Macedonia	25	65	10	100	45		15	45					5	110

COUNTRY	1.3 According to Council Directive 2006/88, please indicate number of farms in your country/region placed in the respective categories according to fish species:																				Do you have any comments on the categorisation of farms and zones in your country?
	Category I				Category II				Category III				Category IV				Category V				
	VHS	IHN	ISA	KHV	VHS	IHN	ISA	KHV	VHS	IHN	ISA	KHV	VHS	IHN	ISA	KHV	VHS	IHN	ISA	KHV	
	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	Total	
Austria	10	10							74	74		38					3	1			http://aquakultur.ehealth.gv.at/
Belgium	1	1															2	1			With the exception of the 2 Category V farm infected by VHS and/or IHN, all the salmonid farms are subject to a surveillance programme for VHS and IHN
Bulgaria		78	78		29				49												
Cyprus	7	7							17	17											
Czech Republic			221						985	188		1461					12	4			
Denmark	218	249	249						30			5									All of Denmark is category I for IHN and ISA. From 31-12-2013 the whole terrestrial area is category I for VHS, while the marine farms all are category III for VHS.
Estonia	1	1	22		20	20		2	1	1		1									Estonia is declared disease-free from ISA according to the Commission Decision 2009/177. Due to the national surveillance plan in 2014 we took samples for VHS and IHN from approved fish farms. (from 21 fish farm with rainbow trout and atlantic salmon). All results were negative. Also we took samples from two approved carp farm for KHV, results were negative.
Finland	457	286	303									21	28								For your information about the numbers of farms given: a farm is any registered fish holding place
France	371	355	1650	24													2	1		1	We don't have yet a global map of the country zoning for non exotic diseases
Germany	197	189	1270	408	2	2			8356	8252	79	5863					13	14		30	Summary of data according to 1.3 should be reconsidered for the next survey since multiple counting of susceptible species may occur when more than one susceptible species is kept in the same fish farm. Analysis of flat fish should be specified since not all of them are susceptible species. Listing of eel and sea bream/bass under 1.3. doesn't make sense since they don't belong to susceptible species according to 2006/88/EG. Ba-Wue: Only those fish farms are listed that were subject to treatment by fish health services in addition to registered farms if the latter were subject to eradication/control measures. Those farms that are under control of qualified services are only partially considered. Data as per 31.12.2014. For Cat V also open cases of previous years are included. As for KHV-1 only common carp (not koi carp) are considered. Sa-Anh: Cat III: 3 trout farms fulfil the conditions of being free from VHS, IHN and KHV infection. Applications according to 2006/88/EG att. V made. Cat V: VHSV detection in 2 farms. Eradication in 1 farm completed in Dec 2014. Official announcement for freedom expected in 2015. IHN detected in 2012 in a small fish pond. Disinfection in downstream ponds impossible, thus restriction measures are still effective since reinfection through vectors can't be ruled out.
Greece									64	64	2	7									
Hungary						4		165													
Ireland	13	54	54	1																	
Italy	196	196	310		11	11			144	141							12	7			Categorisation of farm is in progress. Data related to cat I farms are referred to the official list of them from the Ministry of Health. Data concerning the other categories are taken from the national database whose implementation has not completed yet.
Latvia									80	80		80									
Lithuania					15	10	3	19													All information regarding approved aquaculture animal farms can be found at http://vrmv.lt/objektai2/view.php
Netherlands									40	37	45	2					5	8			No positives for VHS and IHN in 2014. Whole country is one zone. Last positives for VHS and IHN were in 2012, gradually these farms move from cat V to cat III, without any monitoring though.
Poland	19	21							378	374		3480					9	3		5	
Portugal	22	22			8	8		1													* Portugal is declared disease-free to ISA
Romania			119						205	123		385									1
Slovakia	90	90		54													57	57		41	
Slovenia	9	9			4	4			173	118		149					7	28		14	The whole country is declared free of VHS according to Commission Decision 2009/177/EC.
Spain	133	111	125		1	1			9	5		4									
Sweden	185	185	185																		
England and Wales	184	184		2									128								* there are 30 farms with Atlantic Salmon present
Scotland	71	400	404									3									Whole country is Category I for ISA, VHS and IHN. Whole country is Category III for KHV.
Northern Ireland	26	26	26	5																	*Includes 3 ornamental facilities.
Croatia				19	19	19		3				25					3	4			
Turkey																					
Albania																					
Bosnia and Herzegovina					30	30															In Bosnia and Herzegovina is in place adopted legislation relates to the field of aquaculture (Council directive 2006/88/EC, 183/2001, 466/2003) but we still don't start with categorisation of fish farms nor with zones.
Iceland	27	27	3									12									
Norway	1321	1216	48				20					1145				3					*ISA: Category I are zones with brood fish production subject to a surveillance program. Category II are sites within an eradication/surveillance zone. Category IV are sites with diagnosed ISA and where there is still live fish.
Switzerland																					Switzerland does not have a categorisation system as known in the EU. In case of fish positive for VHS or IHN, stocks are immediately killed and the farm is sanitized. In case of IPN the same procedure is applied but the farmer is allowed to market the killed fish. Starting in 2014 there will be regular controls by the competent authorities on aquaculture facilities whereas until end of 2013 there was only a passive surveillance.
Faroe Islands	1	1							34	34	34	35				1					
Kosovos																					
Serbia																					
Rep. of Macedonia									35	35		45									no comments

1.4 Number of fish farms surveyed for other diseases		
COUNTRY	SVC	
	Programme based on: National / Regional -, Industry programmes or Research survey. Please specify e.g. National surveillance based on inspections (passive surveillance), IPN Broodstock testing, Industry financed or regional BKD program	Number of fish farms involved
Austria		
Belgium		
Bulgaria	National programme	128
Cyprus		
Czech Republic	pasive surveillance	1461
Denmark	fishfarms national surveiiance, passive, active and targeted.Outlet stores and private garden ponds: no.	6
Estonia		
Finland	National programme. Active surveillance in authorised farms, passive surveillance in registered farms	23
France		
Germany	# regional surveillance (BB) # active surveillance (Ba-Wue) # clinical surveillance at least annually, sampling when suspicion (Sa-Anh) # regional scientific program of the Saxon Animal Disease Insurance on the liquidation of fish diseases (except KHV-I) from Nov 13th 2013 (Saxony)	121
Greece	PASSIVE SURVEILLANCE	7
Hungary	National program based on risk assessment	16
Ireland	National surveillance (active sampling). Involves one farm plus samples from put & take fisheries when available.	1
Italy	\	\
Latvia	Passive surveillance	
Lithuania		
Netherlands	none	
Poland		
Portugal	Active surveillance	1
Romania	National surveillance and/or industry financed	18
Slovakia	Research survey of NRL for fish diseases	56
Slovenia		
Spain		
Sweden		
England and Wales	National Programme under Article 43 of Council Directive 2006/88/EC	138
Scotland	National surveillance - based on inspections (active surveillance).	1 in 2014 (3 in programme)
Northern Ireland	Regional SVC programme (Article 43 measure) - active surveillance	2
Croatia		
Turkey		
Albania		
Bosnia and Herzegovina	According to National Order on measures to protect animals from infectious and parasitic diseases and their conducting in 2014 ('Official Gazette of BiH' 31/14)	6
Iceland		
Norway		No farms with susceptible species
Switzerland	SVC is a notifiable disease. However, in case of detection of positive fish in a farm no measures are undertaken	
Faroe Islands		NA
Kosovos		
Serbia	National surveillance	
Rep. of Macedonia	passive surveillance	2

1.4 Number of fish farms surveyed for other diseases		
COUNTRY	BKD	
	Programme based on: National / Regional -, Industry programmes or Research survey. Please specify e.g. National surveillance based on inspections (passive surveillance), IPN Broodstock testing, Industry financed or regional BKD program	Number of fish farms involved
Austria		
Belgium		
Bulgaria	National programme	29
Cyprus		
Czech Republic		
Denmark	National surveillance, passive and active.Targeted BKD brood stock testing and industry financed BKD-program.	32
Estonia		
Finland	Regional, voluntary programme (regional eradication programme ceased 1.12.2014), targeted/active surveillance in joined farms.	76
France	Regional subsidied programmes implemented by farmers' associations (Groupement de défense sanitaire aquacole)	
Germany	# passive surveillance (Ba-Wue) # routine surveillance in non-suspicious trout farms (no targeted surveillance) (Sa-Anh) # regional scientific program of the Saxon Animal Disease Insurance on the liquidation of fish diseases (except KHV-I) from Nov 13th 2013 (Saxony)	169
Greece		
Hungary		
Ireland	National surveillance (active sampling).	23
Italy	\	\
Latvia		
Lithuania		
Netherlands	none	
Poland	National survey	50 farms per year
Portugal		
Romania	Industry financed	
Slovakia		
Slovenia	Fish farm programme	2
Spain	Regional Programs active surveillance	1
Sweden	BKD program (farmed fish)/BKD broodstock testing (wild fish, hydropower industry)	169/16
England and Wales	Domestic programme - active surveillance only	184
Scotland	Domestic targeted surveillance - based on inspections at all sites (active surveillance) and testing at one company to facilitate trade within the EU.	171 in 2014 (401 in programme) for active surveillance and 3 in 2014 (5 in programme) for testing programme
Northern Ireland	Regional BKD programme (Article 43 measure) - active surveillance	26
Croatia		
Turkey		
Albania		
Bosnia and Herzegovina		
Iceland	National BKD program running since 1985 (Industry financed)	16
Norway	List 3. National surveillance program - wild brood fish caught for cultivation purposes in rivers, and for live gene bank	List 3: All active farms with susceptible species in 2014. Surveillance: Brood fish for river cultivation programs for salmonids.
Switzerland		
Faroe Islands	brood stock testing and National and Industry passive surveillance based on inspections	35
Kosovos		
Serbia	National surveillance	
Rep. of Macedonia	passive surveillance	4

COUNTRY	1.4 Number of fish farms surveyed for other diseases					
	IPN		Gyrodactylus salaris		Other	
	Programme based on: National / Regional - , Industry programmes or Research survey. Please specify e.g. National surveillance based on inspections (passive surveillance), IPN Broodstock testing, Industry financed or regional BKD program	Number of fish farms involved	Programme based on: National / Regional - , Industry programmes or Research survey. Please specify e.g. National surveillance based on inspections (passive surveillance), IPN Broodstock testing, Industry financed or regional BKD program	Number of fish farms involved	Programme based on: National / Regional - , Industry programmes or Research survey. Please specify e.g. National surveillance based on inspections (passive surveillance), IPN Broodstock testing, Industry financed or regional BKD program	Number of fish farms involved
Austria						
Belgium						
Bulgaria	National programme	29				
Cyprus						
Czech Republic						
Denmark	National surveillance, passive and active. Targeted IPN brood stock testing.	38				4
Estonia						
Finland	Regional programme. Targeted/active surveillance in authorised farms, passive surveillance in registered farms	316	Regional survey (watercourses running into the Barents Sea). More farms are examined in the connection with export/research (these farms are situated in the Baltic Sea catchment, where G. salaris is endemic).	1	SAV:sampling to prove disease freedom	165
France	Regional subsidised programmes implemented by farmers' associations (Groupement de défense sanitaire aquacole)		Regional subsidised programmes implemented by farmers' associations (Groupement de défense sanitaire aquacole)			
Germany	# regional surveillance (BB) # targeted surveillance (Ba-Wue) # 1 out of 3 salmonid brood stock farms IPN positive after clinical and virological investigation; 6 out of 20 salmonid farms without brood stock IPN positive on virological investigation (Sa-Anh) # regional scientific program of the Saxon Animal Disease Insurance on the liquidation of fish diseases (except KHV-I) from Nov 13th 2013 (Saxony)	301			KHV-I: regional surveillance programme for 289 farms in Saxony	2
Greece	PASSIVE SURVEILLANCE	62			National surveillance based on inspections	340
Hungary						
Ireland	National surveillance (active sampling). Includes industry financed IPN screening of broodstock for one farm.	54	National surveillance (active sampling of FW salmonids farms plus rivers (6 rivers sampled in 2014).	18	Industry financed PD virus screening by real-time RT-PCR (4 farms). Research survey for AGD (2 farms)	3
Italy	Regional Research survey	57 freshwater salmonids farms	\	\		\
Latvia						
Lithuania						
Netherlands	none		none		none	
Poland	National survey	50 farms twice per year				
Portugal	Passive surveillance	26				
Romania	National surveillance and/or industry financed	8	Industry financed	1		
Slovakia	Research survey of NRL for fish diseases	90				
Slovenia	Fish farm programme	2				
Spain	Regional Programs active surveillance	60	Regional Programs active surveillance	15	Regional Programme	15
Sweden	National Surveillance/IPN broodstock testing (wild fish, hydropower industry)	169/16	??? No material sent for analysis to SVA, sent to Norway? Notifiable infection but not reported by Norway to Sweden? National Programme under Article 43 of Council Directive 2006/88/EC	?		None
England and Wales				184		
Scotland	N/A	N/A	National surveillance - based on inspections (active surveillance) and microscopical survey, in farms rearing wild salmon fingerlings released back to salmon rivers	56 in 2014 (146 in programme)		
Northern Ireland	Domestic IPN programme - targeted surveillance	26	Regional GS programme (Article 43 measure) - active surveillance	22		
Croatia					Baseline study - prevalence of Yersinia ruckeri and Flavobacterium columnare resistance to macrolides	
Turkey					#REF!	
Albania						
Bosnia and Herzegovina					#REF!	
Iceland	National program, mainly based on IPN brood stock testing, running since 1985 (Industry financed)	12	National surveillance based on inspections (passive surveillance) and microscopical survey, in farms rearing wild salmon fingerlings released back to salmon rivers	4	National surveillance based on health inspections, tissue samples and laboratory work mainly regarding PD/SAV, CMS and HSMI (Industry financed)	4
Norway	Not listed. Passive surveillance and investigation of cases with increased mortality	All active farms with susceptible species in 2014. Surveillance: Brood fish for river cultivation programs for salmonids: 39 rivers/hatcheries.	List 3. National surveillance programme, wild Atlantic salmon in rivers	85 farms (and 68 rivers)	Other List 3 diseases (PD, HSMI, VNN, francisellosis, furunculosis) and not listed diseases (CMS, AGD) passive surveillance and investigation of cases with increased mortality	All active farms with susceptible species in 2014
Switzerland	IPN is a notifiable disease. In case of detection of positive fish in a farm, stocks are eliminated	Applies for all farms producing salmonids i.e. 348				
Faroe Islands	Brood stock testing and National and Industry passive surveillance based on inspections	35		NA	National - Industry programmes	26
Kosovos					/	
Serbia	National surveillance					
Rep. of Macedonia	passive surveillance	3				

COUNTRY	1.5 Do you have active or passive surveillance for these diseases? (Exotic diseases in Directive 2006/88)		
	EHN		
	Targeted (yes/no)	Active (yes/no)	Passive (yes/no)
Austria	no	no	yes
Belgium	No		
Bulgaria			yes
Cyprus			
Czech Republic	no		yes
Denmark	no		yes
Estonia			yes
Finland	no		yes
France			
Germany	no (Hesse, Saxony)		yes (M-V, Hesse, Saxony)
Greece	NO		YES
Hungary	yes		yes
Ireland	No		Yes
Italy	NO	NO	YES
Latvia			Yes
Lithuania	No	#REF!	#REF!
Netherlands		no	yes
Poland	no		yes
Portugal			yes
Romania	No		Yes
Slovakia	no		
Slovenia			yes
Spain	NO		YES
Sweden	No		Yes
England and Wales	No	Yes	Yes
Scotland	No	Yes	Yes
Northern Ireland	No	Yes	Yes
Croatia			YES
Turkey			
Albania			
Bosnia and Herzegovina			YES
Iceland	No		Yes
Norway			Yes
Switzerland			yes (as the virus is growing on cells used, infection would be detected)
Faroe Islands			
Kosovos			
Serbia	no	no	yes
Rep. of Macedonia	no		

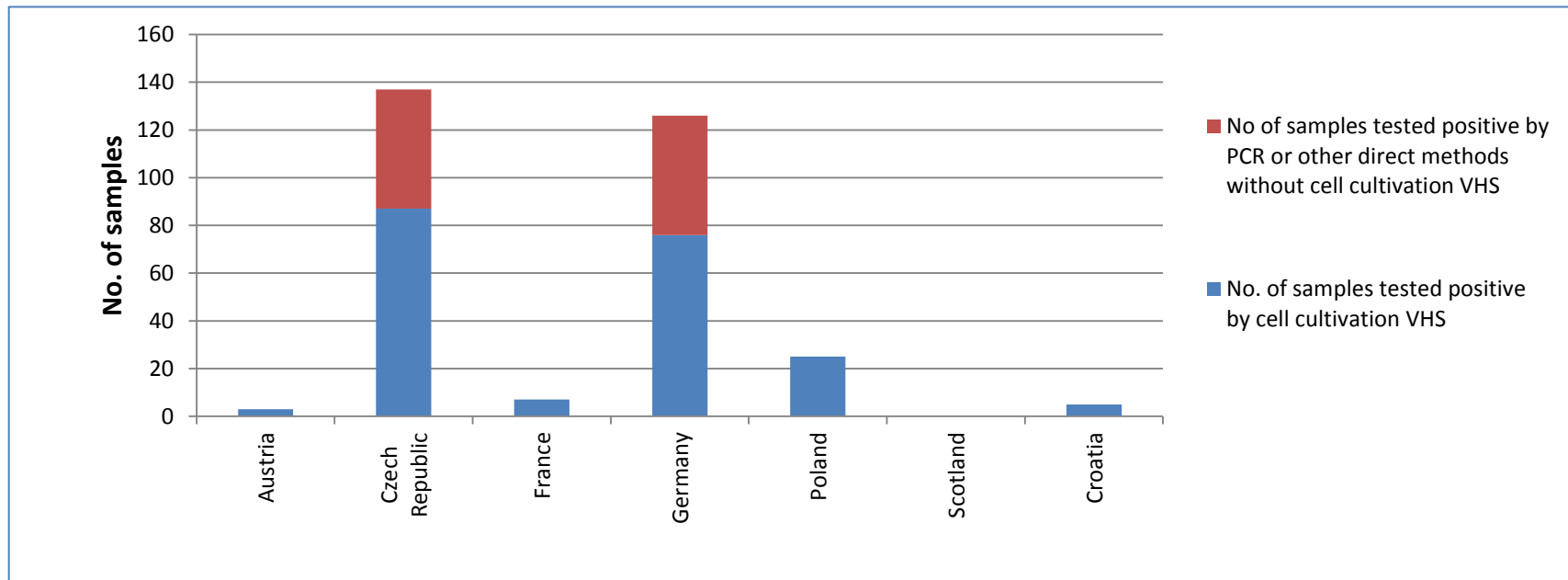
2. Epidemiological data, whole country or region		2. Epidemiological data, whole country or region						
Country	2.1 Number of fish farms considered to be infected for the following diseases (NB: not necessarily officially declared infected):				2.2 Number of fish farms with susceptible species that are considered to be free of the following diseases according to national surveillance:			
	VHS	IHN	KHV	ISA	VHS	IHN	KHV	ISA
Austria	3	1	1		10	10		
Belgium	2	1			all of them with the exception of the 2 infected ones	all of them with the exception of the infected one		
Bulgaria					29	29	128	29
Cyprus								
Czech Republic	12	4			91	96	104	221
Denmark			1		240	240	6	240
Estonia					21	21	2	22
Finland	6				457	286	21	303
France	2	1	1					
Germany	12	11	11		219	216	74	746
Greece								
Hungary			2 (one fish farm and one put and take)		4	4	164	
Ireland					13	54	1	54
Italy	2	1			196		310	
Latvia					25	25	58	
Lithuania								
Netherlands	5 (although negative/no new outbreaks since 2012)	8 (although negative in 2012 & 2013 and no new outbreaks since)	no farms, but 6 of 41 closed sites/ponds: KHV+ in 2014, with no KHV detections in wild carp in 2014					
Poland	9	3	5		69	71	50	424
Portugal					31	31	1	
Romania			1		22	21	13	129
Slovakia			1		90	90	54	
Slovenia	7	28	14		44	41		
Spain					138	93		127
Sweden					185	185	1	185
England and Wales					184	184	2	184
Scotland					71	400		404
Northern Ireland					26	26	5	26
Croatia	3	4			22	21	22	25
Turkey								
Bosnia and Herzegovina			N/A	N/A	30	30	N/A	N/A
Iceland					27	27		21
Norway			No farms with susceptible species	3	1321	1216	No farms with susceptible species	48
Switzerland			No surveillance, as not	0 (Switzerland officially free from ISA)	6	6	No surveillance, as not	0 (Switzerland officially free from ISA)
Faroe Islands			NA	1	35	35	NA	34
Kosovos								
Albania								
Serbia								
Rep. of Macedonia								

2. Epidemiological data, whole country or region						
Country	2.3 Number of fish farms with susceptible species for which the infection status of the following diseases is unknown:				2.4 Describe problems with fish diseases other than VHS, IHN, KHV or ISA:	
	VHS	IHN	KHV	ISA	Fish species	Please describe disease or symptoms
Austria	74	74	38		char, brown trout	furunculosis
Belgium					Carp	As last year, mortalities in pond. Identification of KHV, SVC and even tuberculosis.
Bulgaria	52	48	303	48	Rainbow trout	Yersinia ruckeri, Aeromonas hydrophila, Mycobacteriosis
Cyprus	7	7				
Czech Republic	891	88	1357			
Denmark						
Estonia	1	1	1		Rainbow trout	Aeromonas hydrophila-fish gills become the mucus pus, the final of the intestinal tract becomes inflamed.
Finland	22				Rainbow trout	IPN genotype 2 in inland fish farms
France						
Germany	854	826	927	90	rainbow trout (BB) rainbow trout (Hesse) rainbow trout (Bay, Saxony) rainbow trout (Saxony)	IPN Flexibacter/Flavobacter sp. read mouth disease furunculosis
Greece	64	64	7	2	Seabass	VNN/VER
Hungary					Ameiurus nebulosus	ranavirus
Ireland					Atlantic salmon	Amoebic gill disease
Italy	365	63	/		Carp	First confirmed case of CEV
Latvia					Cyprinidae	Aeromonosis
Lithuania	15	10	19	3		
Netherlands	41 (increasing, as no VHS/abnormal mortalities since 2012)	38 (increasing, as no IHN found in 2012 & 2013, and no outbreaks in 2014)	2 (and many koi import sites & wild carp)	0 (supposed exotic to continental Europe), not tested	eel, Anguilla anguilla	2 x AnGHV1 with typical symptoms
Poland	529	628	3428		Rainbow trout	Bacterial infections caused by: Yersinia ruckeri, Aeromonas hydrophila, Aeromonas salmonicida, subsp.
Portugal						
Romania	183	102	372		rainbow trout	yersiniosis, furunculosis
Slovakia	57	57	41			
Slovenia	107	85	135			
Spain	3	2	4		Rbt	IPN, SDV, RTFS, Saprolegniosis
Sweden					Farmed rainbow trout, arctic char, brown trout	F. psychrophilum
England and Wales			128		Rainbow trout	Red mark syndrome
Scotland			3		Atlantic salmon	AGD, ERM, CMS, HSM, IPN, PD, PKD, winter ulcer disease, Vibriosis.
Northern Ireland						
Croatia					Rainbow trout	RTFS, Red mark syndrome
Turkey						
Bosnia and Herzegovina						
Iceland						All infectious diseases of concern in the aquaculture industry in Iceland so far are of bacterial origin. We have Sea lice, pancreas disease, infectious pancreatic necrosis, heart and skeletal muscle inflammation.
Norway			No farms with susceptible species	1145	Atlantic salmon	
Switzerland	335 Rainbow trout RTFS, external	335			Rainbow trout	RTFS, external Flavobacteriosis
Faroe Islands			NA		Atlantic salmon	CMS
Kosovos						
Albania						
Serbia					Rainbow trout	IPN
Rep. of Macedonia	45	45	45		Rainbow trout, Brown trout	Yersiniosis, Furunculosis, RTFS, Bacterial Gill Disease, Columnaris Disease, Saprolegniosis

2. Epidemiological data, whole country or region		
Country	2.5 Is there an increase or decrease in the number of fish farms infected with listed diseases compared to previous years? If yes please specify:	2.6 Is there a general increase or decrease in the severity of infections with listed diseases compared to previous years? If yes please specify:
Austria	decrease of VHSV (2007:3 / 2008:3 / 2009:3 / 2010:5 / 2011: 5 / 2012:10 / 2013: 4, 2014: 3) decrease of IHNV (2007:3 / 2008:0 / 2009:1 / 2010:1 / 2011: 4 / 2012: 4 / 2013: 2, 2014: 1)	general decrease in severity of VHSV and IHNV
Belgium	No	No
Bulgaria		
Cyprus	Not Applicable	No
Czech Republic	In the last year the number of fish farm positive for VHS or IHN has increased compared to previous years. There was "only" five outbreaks VHS and no outbreaks of IHN, KHV, ISA in the Czech Republic in 2013. In 2012 there was no outbreak of VHS, IHN, KHV, ISA at all. In the 2014 10 outbreaks of VHS, 2 outbreaks of IHN and 2 outbreaks with VHS and IHN have occurred. All four outbreaks of IHN and nine outbreaks of VHS were identified in the framework of national surveillance program. Three outbreaks of VHS were identified thanks notification of clinical signs and increased mortality.	
Denmark	no.Last occurrence of VHS was in 2009 in freshwater.	no
Estonia	No.	No.
Finland	Fish farms in Åland Islands (28 farms) are under VHS eradication program. No new cases of VHS were found in 2013 or 2014.	no
France		
Germany	no (in most States) yes, increase of IHN cases espec. in farms with double infection (VHS and IHN): 4 x (Ba-Wue)	no (in most States) yes, both for VHS and IHN, sometimes without clinical symptoms (Ba-Wue)
Greece	NO	NO
Hungary	no	
Ireland	No.	No.
Italy		
Latvia	NO	NO
Lithuania	One more eel farm is registered and subjected for surveillance programme.	The number of fish farms is more or less the same.
Netherlands	Yes, a further decrease: no new outbreaks since 2012 after VHS and IHN outbreaks in 2011. No after-screening done in 2014.	Not applicable, as no outbreaks in 2014.
Poland		
Portugal		
Romania	No	No
Slovakia	KHV - one fish farm	
Slovenia	no	no
Spain	NO	NO
Sweden	Same. One farm (two production sites) was infected with IPN(ab) 2013. The same farm (another production site close by) was positive for IPN(ab) 2014	same
England and Wales	The major cause of concern in the UK trout sector is the emergence of skin conditions in rainbow trout which, whilst may not cause in significantly increased mortality, result in economic losses to fish farmers due to high level of rejections at processing or rejections for restocking recreational fisheries.	No
Scotland	Decrease in farms infected with VHS - all sites have depopulated and fallowed (virus isolated from wrasse held on sites for biological control).	No change.
Northern Ireland	No.	No applicable.
Croatia	Yes, after outbreak of VHS on the single farm, and IHN on the other, the diseases have spread to another farms; finally there are 3 VHS infected farms and 4 IHN infected farms	No
Turkey		
Bosnia and Herzegovina	NO	NO
Iceland		
Norway	List 3: PD increase from 100 cases in 2013 to 142 cases in 2014.	No
Switzerland	In contrast to 2013 (0) in 2014 one case of VHS was detected. In one farm IHN was found compared to two infected farms in the previous year.	In the VHSV case, there was only a very low chronic mortality. However, this might have been an exception as in previous cases (years before) and in a case of the actual year much more fish had succumbed to the disease. In the IHNV-affected fish mortality was high.
Faroe Islands	Yes. For the first time since the ISA epidemic 10 years ago one farming site was tested positive for a ISAV-HPRdel. But no clinic was observed and the site was emptied within 2 weeks	NO
Kosovos		
Albania		
Serbia	/	
Rep. of Macedonia	no infected farms with listed diseases	no notification on this

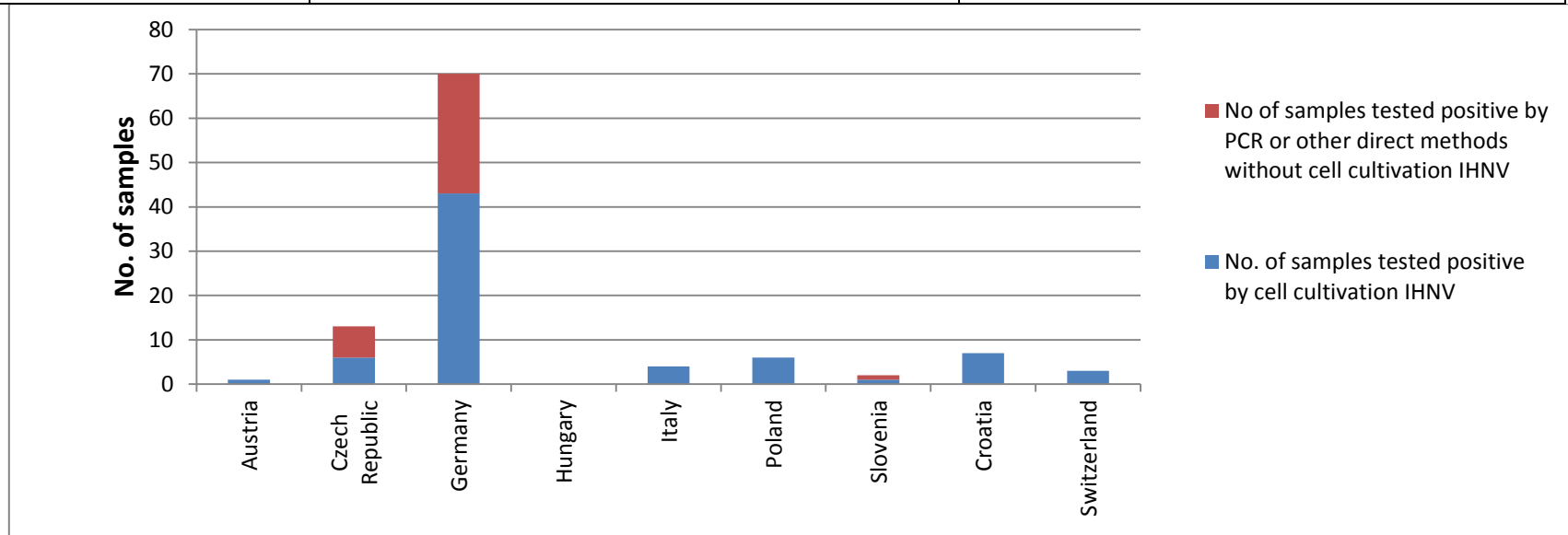
Number of positive samples reported by countries

Country	No. of samples tested positive by cell cultivation	No of samples tested positive by PCR or other direct methods without cell cultivation
	VHS	VHS
Austria	3	
Czech Republic	87	50
France	7	
Germany	76	50
Poland	25	
Scotland		
Croatia	5	
Italy	4	5



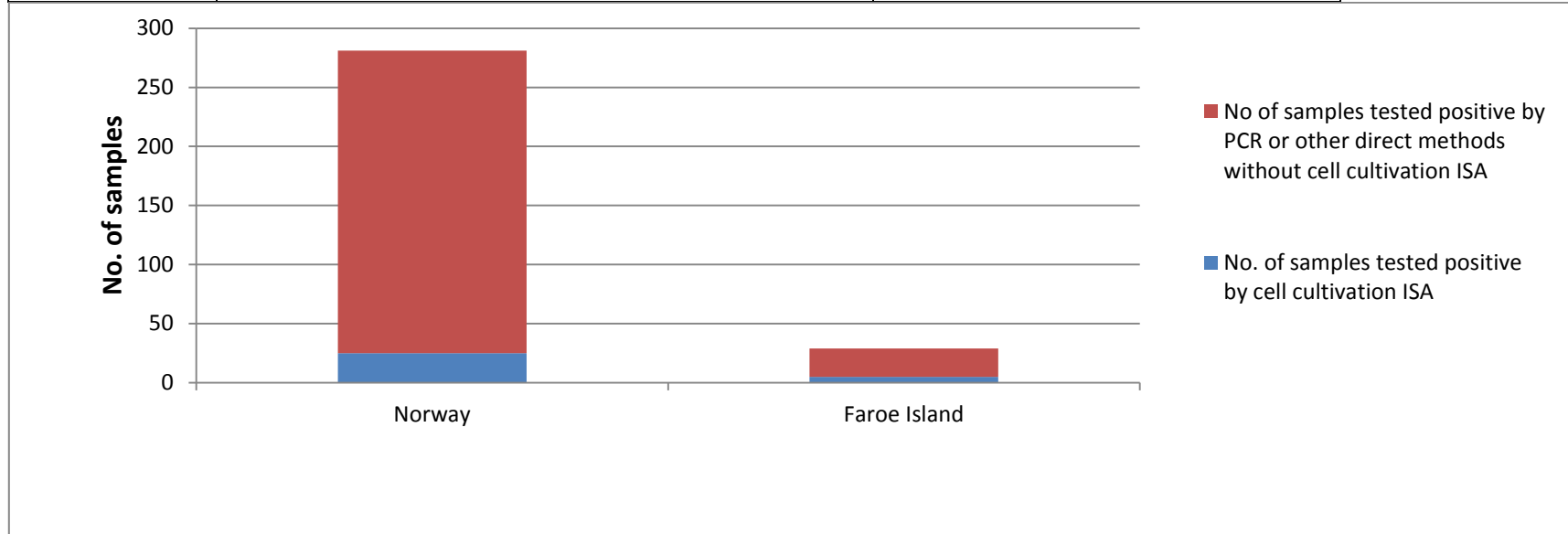
Number of positive samples reported by countries

Country	No. of samples tested positive by cell cultivation	No of samples tested positive by PCR or other direct methods without cell cultivation
	IHNV	IHNV
Austria	1	
Czech Republic	6	7
Germany	43	27
Hungary		
Italy	4	
Poland	6	
Slovenia	1	1
Croatia	7	
Switzerland	3	

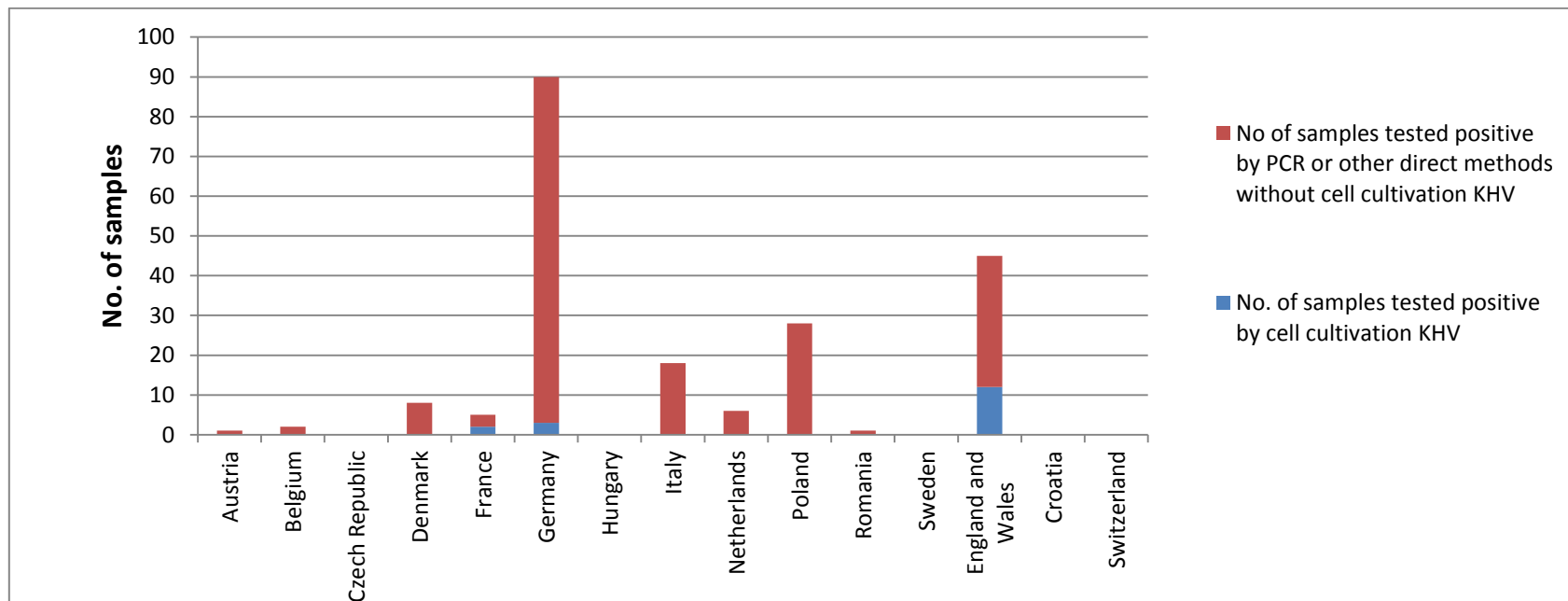


Number of positive samples reported by countries

Country	No. of samples tested positive by cell cultivation	No of samples tested positive by PCR or other direct methods without cell cultivation
	ISA	ISA
Norway	25	256
Faroe Island	5	24



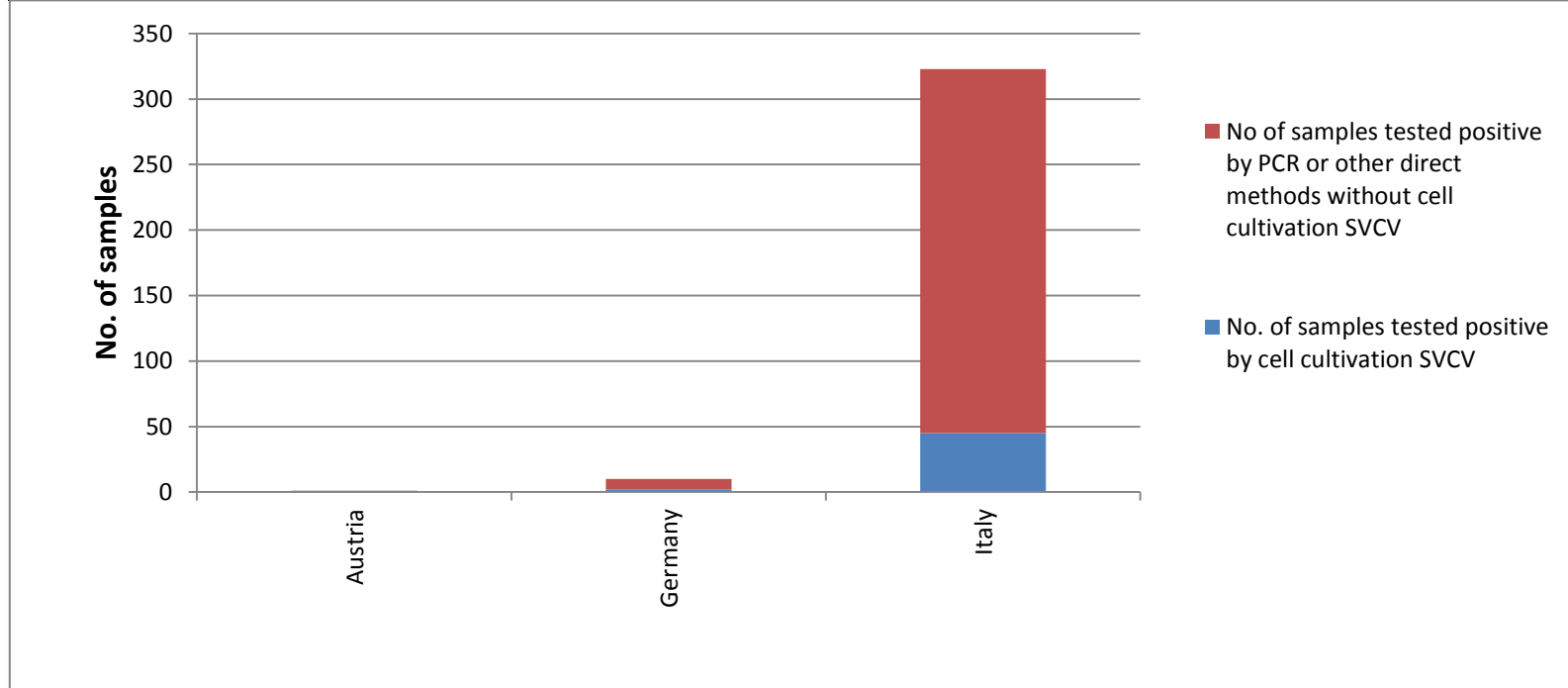
Country	No. of samples tested positive by cell cultivation	No of samples tested positive by PCR or other direct methods without cell cultivation
	KHV	KHV
Austria		1
Belgium		2
Czech Republic		
Denmark		8
France	2	3
Germany	3	87
Hungary		
Italy		18
Netherlands		6
Poland		28
Romania		1
Sweden		
England and Wales	12	33
Croatia		
Switzerland		



Number of positive samples reported by countries

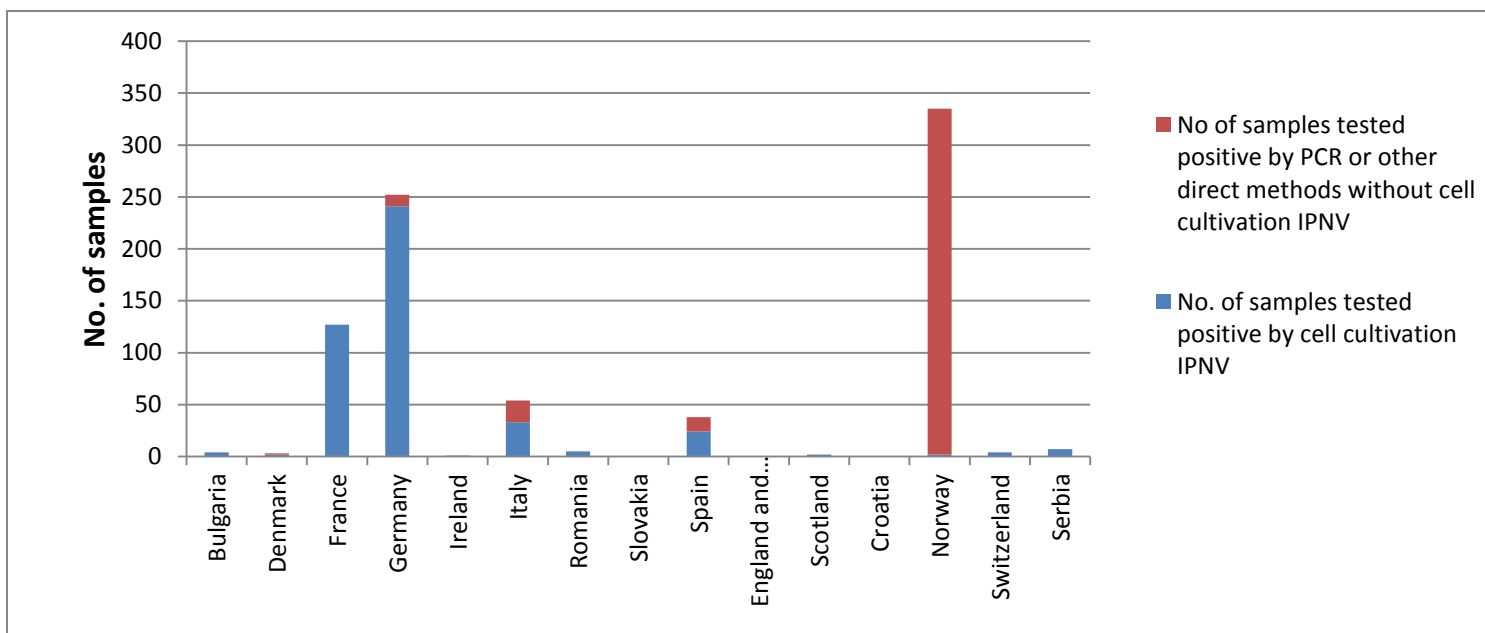
Number of positive samples reported by countries

Country	No. of samples tested positive by cell cultivation	No of samples tested positive by PCR or other direct methods without cell cultivation
	SVCV	SVCV
Austria	1	
Germany	2	8
Italy	45	278



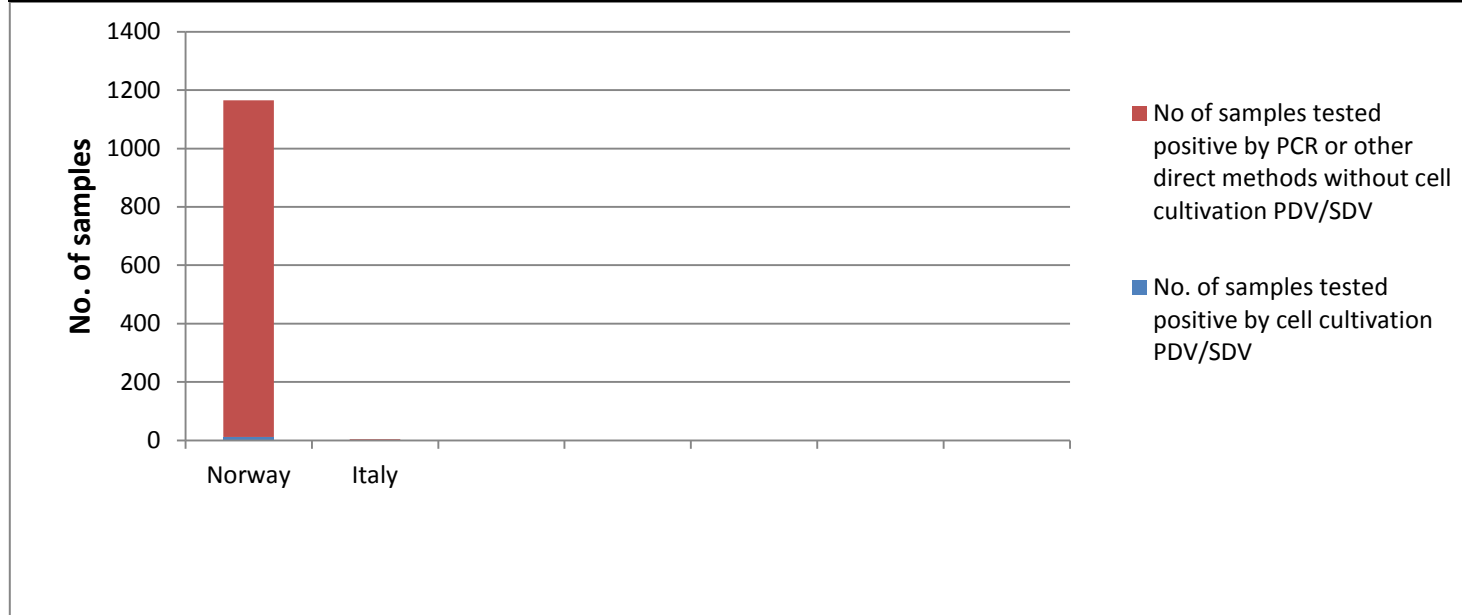
Number of positive samples reported by countries

Country	No. of samples tested positive by cell cultivation	No of samples tested positive by PCR or other direct methods without cell cultivation
	IPNV	IPNV
Bulgaria	4	
Denmark	2	1
France	127	
Germany	241	11
Ireland	1	
Italy	33	21
Romania	5	
Slovakia		
Spain	24	14
England and Wales		
Scotland	2	
Croatia		
Norway	2	333
Switzerland	4	
Serbia	7	



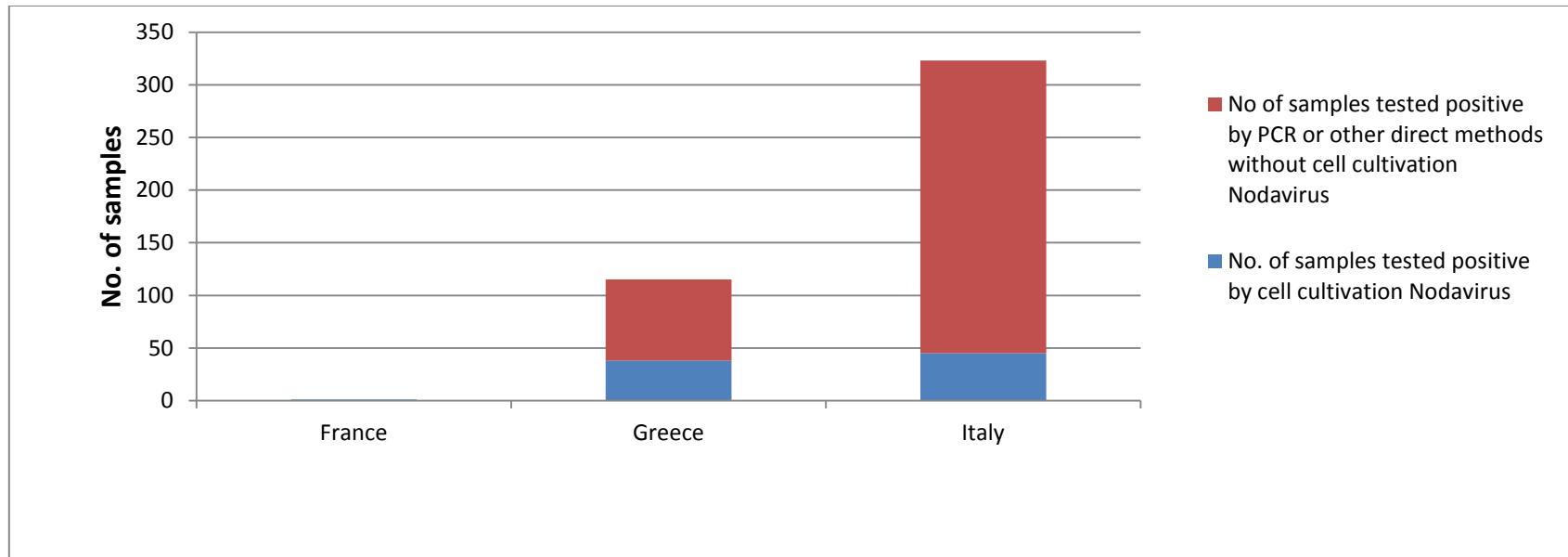
Number of positive samples reported by countries

Country	No. of samples tested positive by cell cultivation	No of samples tested positive by PCR or other direct methods without cell cultivation
	PDV/SDV	PDV/SDV
Norway	12	1153
Italy		4



Number of positive samples reported by countries

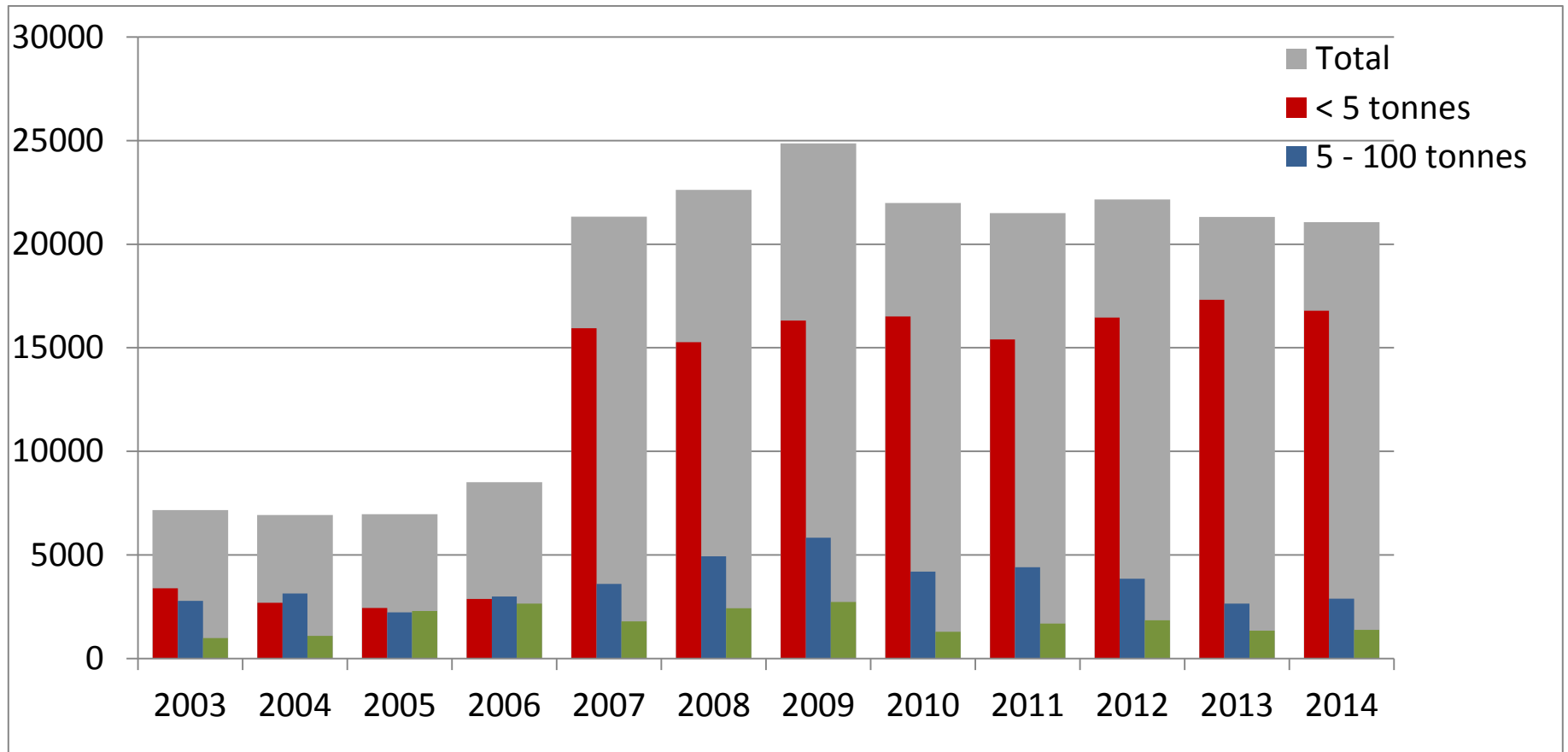
Country	No. of samples tested positive by cell cultivation	No of samples tested positive by PCR or other direct methods without cell cultivation
	Nodavirus	Nodavirus
France	1	
Greece	38	77
Italy	45	278



Historical data of fish farms classification according to production volume 2003-2014

	< 5 tonnes	5 - 100 tonnes	> 100 tonnes	Total
2003	3393	2785	991	7169
2004	2690	3141	1091	6922
2005	2440	2232	2290	6962
2006	2867	2995	2652	8514
2007	15940	3602	1788	21330
2008	15274	4936	2419	22629
2009	16314	5831	2727	24872
2010	16513	4189	1283	21985
2011	15406	4409	1689	21504
2012	16454	3856	1845	22155
2013	17315	2652	1343	21310
2014	16785	2891	1387	21063

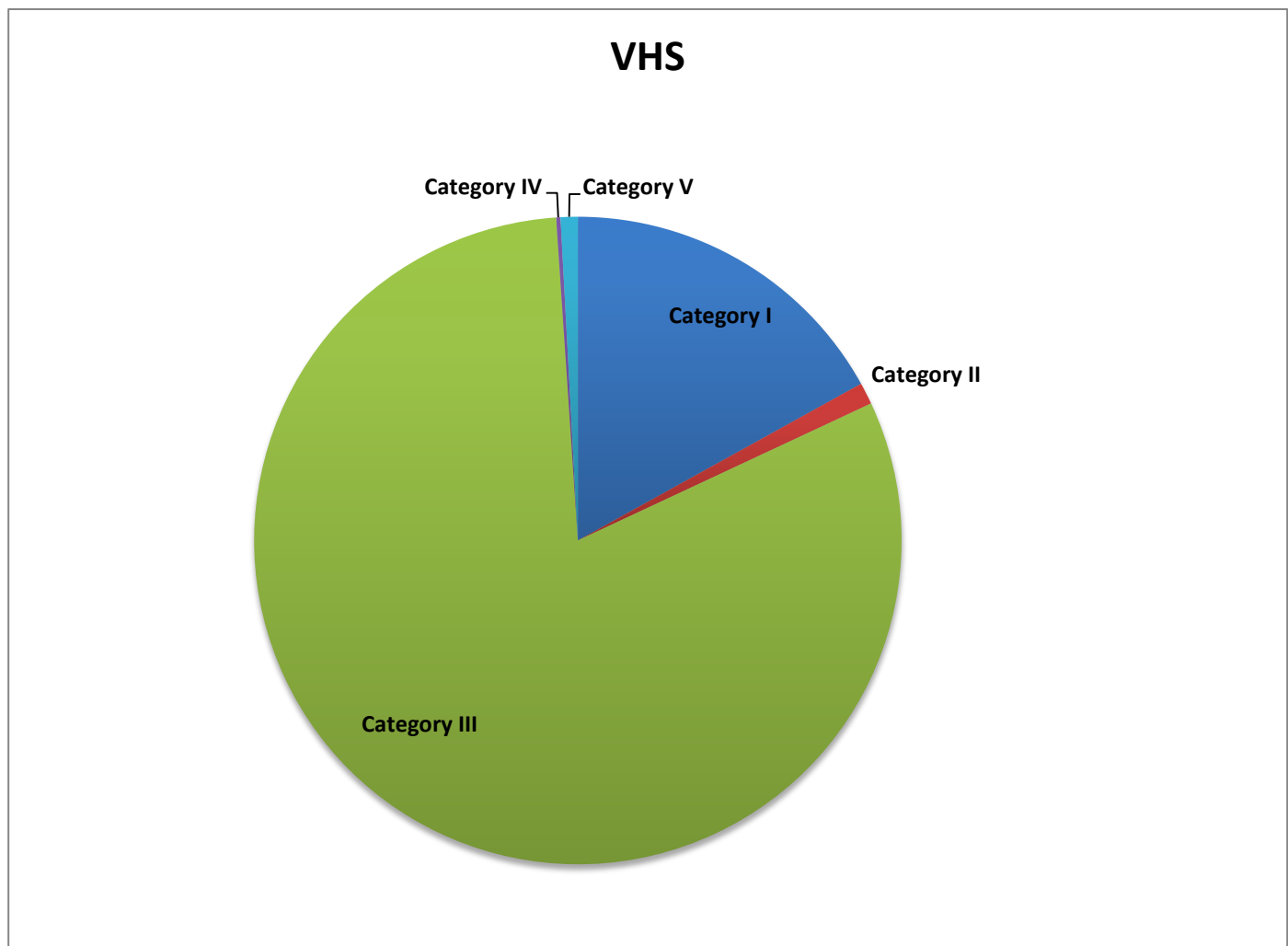
Historical data of fish farms classification according to production volume 2003-2014



Fish farm categorization according to health status in each country in regards to VHS

Country	Category I	Category II	Category III	Category IV	Category V
	Declared disease-free	Subject to a surveillance programme	Not known to be infected but not subject to surveillance programme for achieving disease free status	Known to be infected but subject to an eradication programme	Known to be infected. Subject to minimum control measures
	VHS	VHS	VHS	VHS	VHS
Austria	10		74		3
Belgium	1				2
Bulgaria		29	49		
Cyprus	7		17		
Czech Republic			985		12
Denmark	218		30		
Estonia	1	20	1		
Finland	457			28	
France	371				2
Germany	197	2	8356		13
Greece			64		
Hungary		4			
Ireland	13				
Italy	196	11	144		12
Latvia			80		
Lithuania		15			
Netherlands			40		5
Poland	19		378		9
Portugal	22	8			
Romania			205		
Slovakia	90				57
Slovenia	9	4	173		7
Spain	133	1	9		
Sweden	185				
England and Wales	184				
Scotland	71				
Northern Ireland	26				
Croatia		19			3

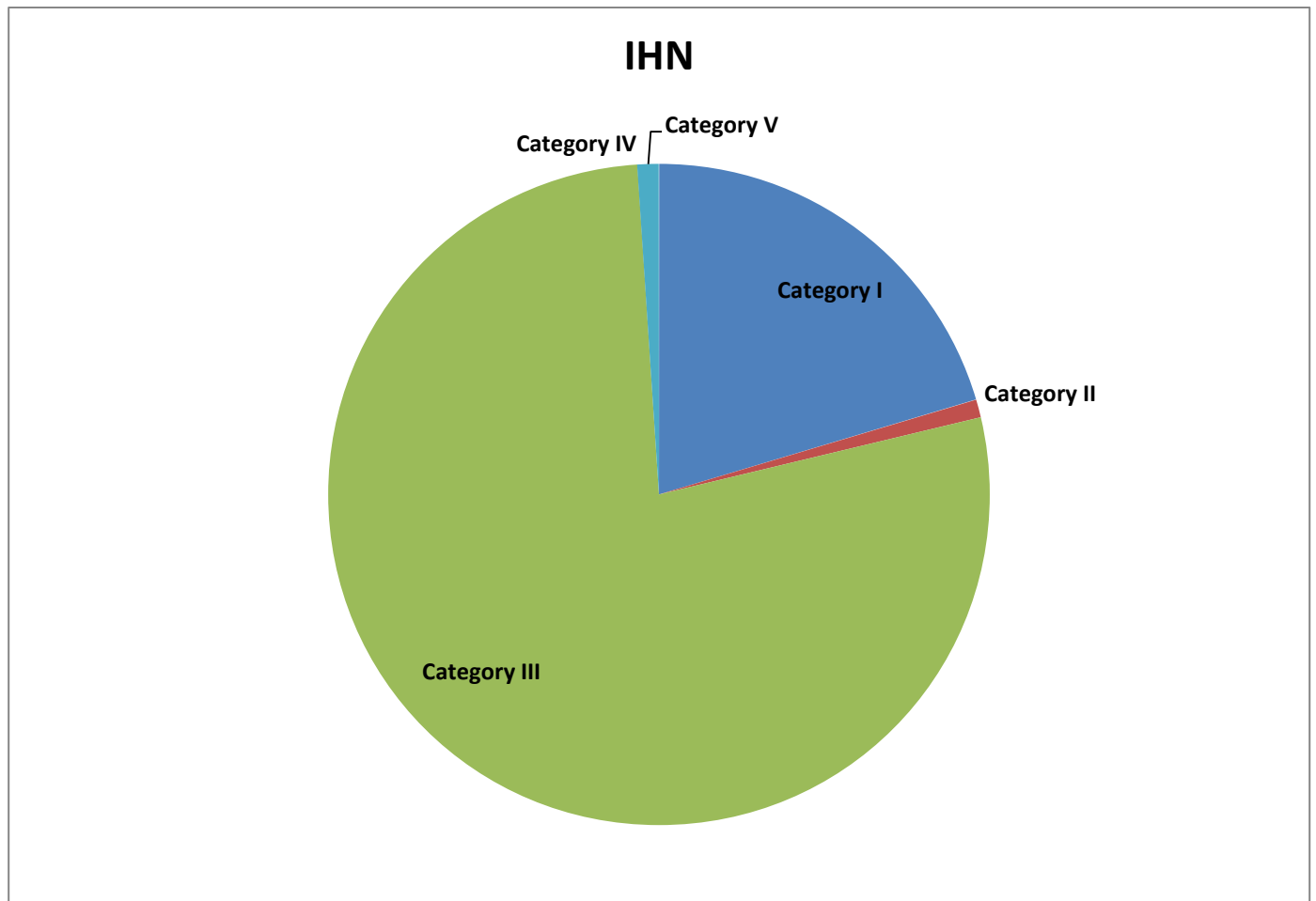
Turkey					
Bosnia and Herzegovina		30			
Iceland	27				
Norway					
Switzerland					
Faroe Islands	1		34		
Kosovo					
Albania					
Serbia					
Rep. of Macedonia			35		
Total	2238	143	10674	28	113



Fish farm categorization according to health status in each country in regards to VHS

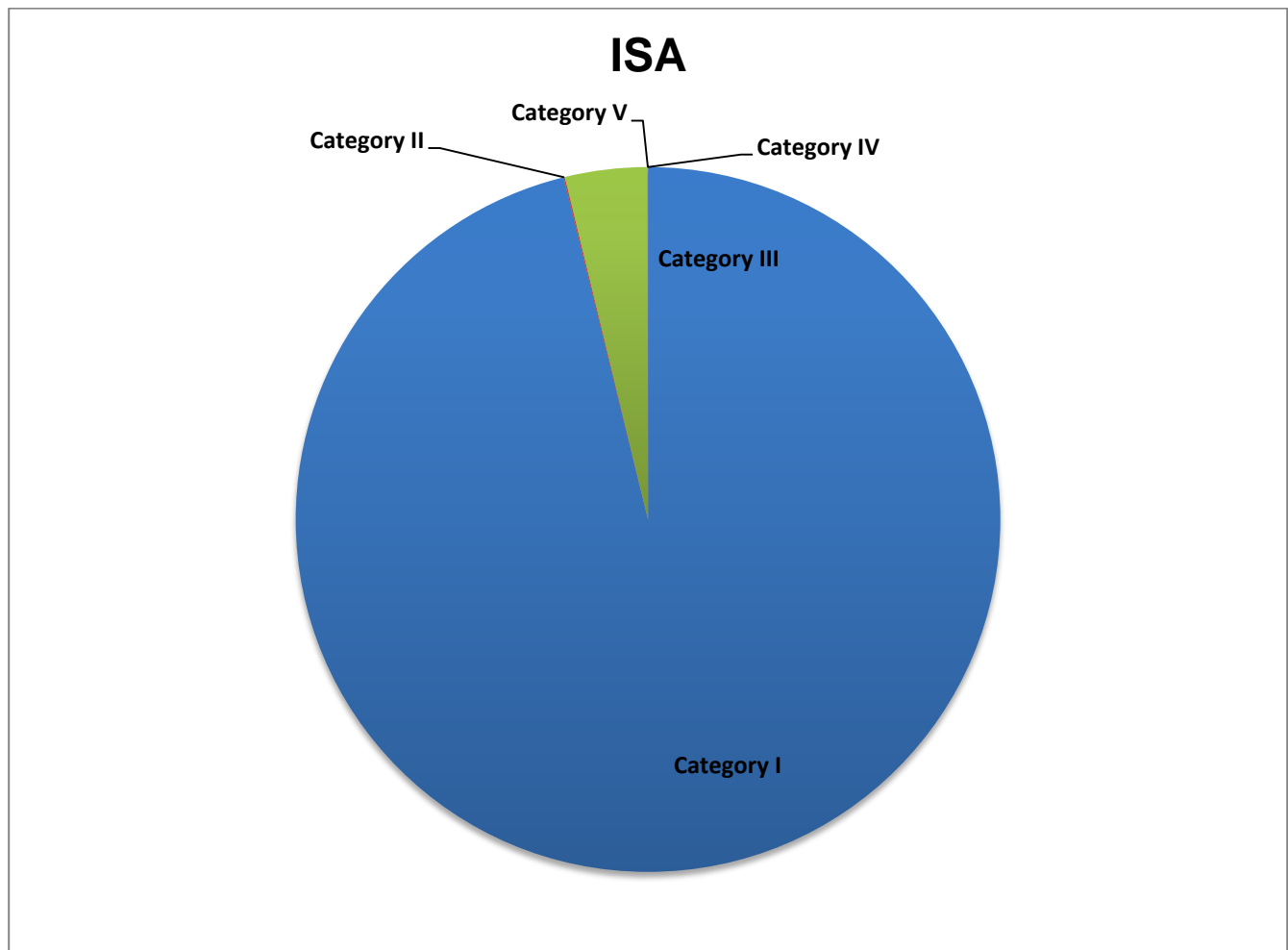
Country	Category I	Category II	Category III	Category IV	Category V
	Declared disease-free	Subject to a surveillance programme	Not known to be infected but not subject to surveillance programme for achieving disease free status	Known to be infected but subject to an eradication programme	Known to be infected. Subject to minimum control measures
	IHN	IHN	IHN	IHN	IHN
Austria	10		74		1
Belgium	1				1
Bulgaria	78				
Cyprus	7		17		
Czech Republic			188		4
Denmark	249				
Estonia	1	20	1		
Finland	286				
France	355				1
Germany	189	2	8252		14
Greece			64		
Hungary		4			
Ireland	54				
Italy	196	11	141		7
Latvia			80		
Lithuania		10			
Netherlands			37		8
Poland	21		374		3
Portugal	22	8			
Romania			123		
Slovakia	90				57
Slovenia	9	4	118		28
Spain	111	1	5		
Sweden	185				
England and Wales	184				
Scotland	400				
Northern Ireland	26				
Croatia		19			4

Turkey					
Bosnia and Herzegovina		30			
Iceland	27				
Norway					
Switzerland					
Faroe Islands	1		34		
Kosovos					
Albania					
Serbia					
Rep. of Macedonia			35		
Total	2502	109	9543		128



Country	Category I	Category II	Category III	Category IV	Category V
	Declared disease-free	Subject to a surveillance programme	Not known to be infected but not subject to surveillance programme for achieving disease free status	Known to be infected but subject to an eradication programme	Known to be infected. Subject to minimum control measures
	ISA	ISA	ISA	ISA	ISA
Austria					
Belgium					
Bulgaria	78				
Cyprus					
Czech Republic	221				
Denmark	249				
Estonia	22				
Finland	303				
France	1650				
Germany	1270		79		
Greece			2		
Hungary					
Ireland	54				
Italy	310				
Latvia					
Lithuania		3			
Netherlands			45		
Poland					
Portugal					
Romania	119				
Slovakia					
Slovenia					
Spain	125				
Sweden	185				
England and Wales					
Scotland	404				
Northern Ireland	26				

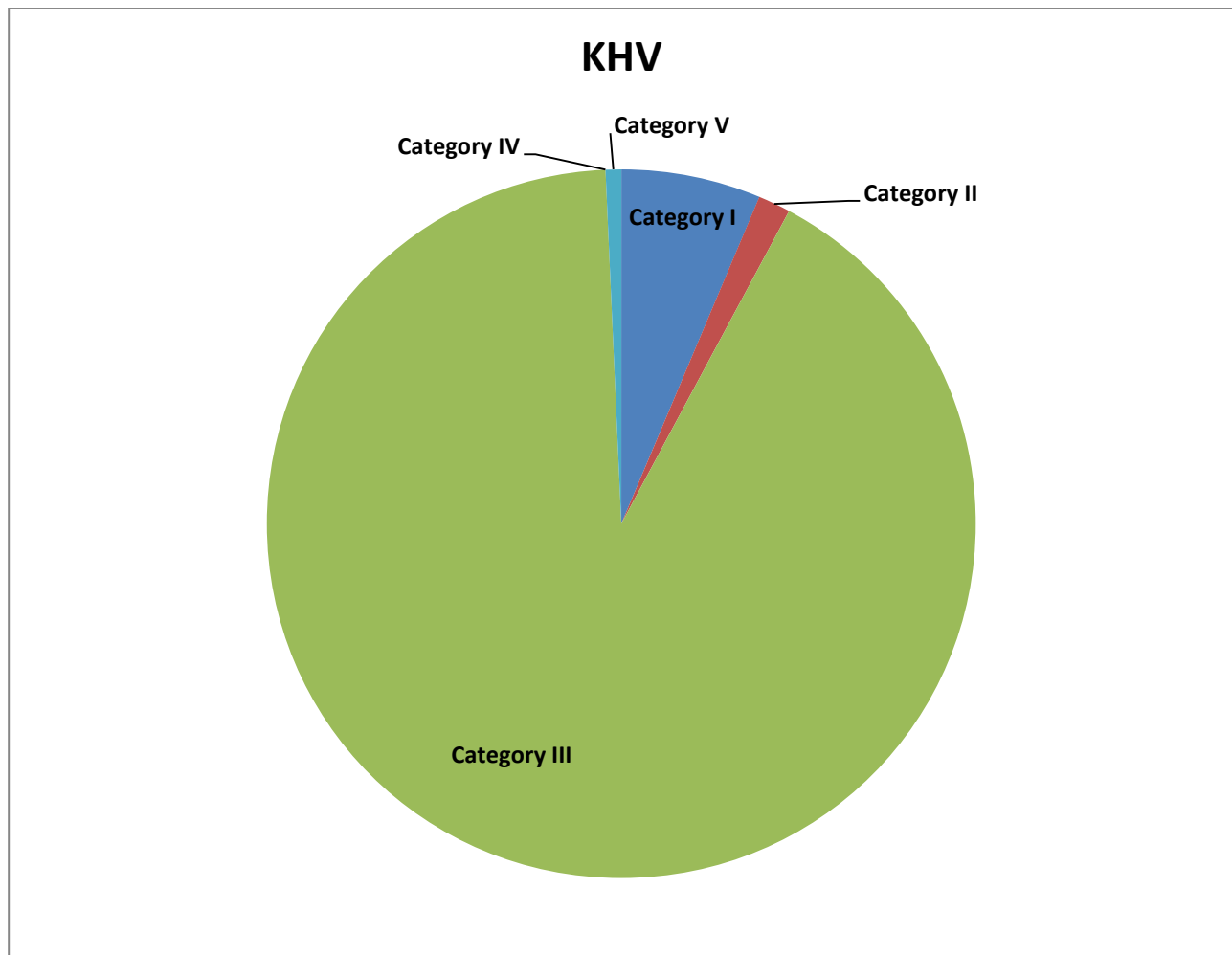
Croatia			25		
Turkey					
Bosnia and Herzegovina					
Iceland	3		12		
Norway					
Switzerland					
Faroe Islands			34	1	
Kosovos					
Albania					
Rep. of Macedonia					
Total	5019	3	197	1	



Fish farm categorization according to health status in each country in regards to IHN

Country	Category I	Category II	Category III	Category IV	Category V
	Declared disease-free	Subject to a surveillance programme	Not known to be infected but not subject to surveillance programme for achieving disease free status	Known to be infected but subject to an eradication programme	Known to be infected. Subject to minimum control measures
	KHV	KHV	KHV	KHV	KHV
Austria			38		
Belgium					
Bulgaria			128		
Cyprus					
Czech Republic			1461		
Denmark			5		
Estonia		2	1		
Finland			21		
France	24				1
Germany	408		5863		30
Greece			7		
Hungary		165			
Ireland	1				
Italy					
Latvia			80		
Lithuania		19			
Netherlands			2		
Poland			3480		5
Portugal		1			
Romania			385		1
Slovakia	54				41
Slovenia			149		14
Spain			4		
Sweden					
England and Wales	2		128		
Scotland			3		
Northern Ireland	5				
Croatia	19	3			

Turkey					
Bosnia and Herzegovina					
Iceland					
Norway					
Switzerland					
Faroe Islands			35		
Kosovos					
Albania					
Serbia					
Rep. of Macedonia			45		
Total	823	190	11835		92



FIGIS production data 2000-2013

Land Area	Ocean Area	Environment	Species	Scientific name	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Asia																		
Turkey	Inland waters	Freshwater	Freshwater fishes	Freshwater fishes														
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	813	687	590	543	683	571	668	600	629	591	403	207	222	146
			Freshwater fishes	Freshwater fishes	813	687	590	543	683	571	668	600	629	591	403	207	222	146
		Freshwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	42 572	36 827	33 707	39 674	43 432	48 033	56 026	58 433	65 928	75 657	78 165	100 239	111 335	122873
			Diadromous fishes	Diadromous fishes	42 572	36 827	33 707	39 674	43 432	48 033	56 026	58 433	65 928	75 657	78 165	100 239	111 335	122873
	Sub-total Freshwater				43 385	37 514	34 297	40 217	44 115	48 604	56 694	59 033	66 557	76 248	78 568	100 446	111 557	123018
	Sub-total Inland waters				43 385	37 514	34 297	40 217	44 115	48 604	56 694	59 033	66 557	76 248	78 568	100 446	111 557	123018
	Marine areas	Marine	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	1 961	1 240	846	1 194	1 650	1 249	1 633	2 740	2 721	5 229	7 079	7 697	3 234	5186
			Diadromous fishes	Diadromous fishes	1 961	1 240	846	1 194	1 650	1 249	1 633	2 740	2 721	5 229	7 079	7 697	3 234	5186
		Marine	Marine fishes	Marine fishes														
Marine fishes not identified			Marine fishes not identified	0 .	0 .	0 .	0 .	0 .	2 000	2 200	1 600	1 772	2 247	2 201	1 442	0 .	0	
Miscellaneous coastal fishes			Miscellaneous coastal fishes	33 337	28 485	26 020	37 717	46 732	65 824	66 871	75 400	80 940	74 916	78 953	79 200	97 619	105189	
Marine fishes			Marine fishes	33 337	28 485	26 020	37 717	47 172	68 214	69 461	77 870	83 422	78 073	81 734	80 742	98 014	105659	
Sub-total Marine				35 298	29 725	26 866	38 911	48 822	69 463	71 094	80 610	86 143	83 302	88 813	88 439	101 248	110845	
Sub-total Marine areas				35 298	29 725	26 866	38 911	48 822	69 463	71 094	80 610	86 143	83 302	88 813	88 439	101 248	110845	
Total Turkey				78 683	67 239	61 163	79 128	92 937	118 067	127 788	139 643	152 700	159 550	167 381	188 885	212 805	233864	
Albania	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	100	15	350	350	350	350	217	221	254	300	230	155	202	250F
			Diadromous fishes	Diadromous fishes	100	15	350	350	350	350	217	221	254	300	230	155	202	250F
		Freshwater	Freshwater fishes	Freshwater fishes														
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	5	7	10	13	19	13	23	22	304	254	254	22	410	370 F
			Freshwater fishes	Freshwater fishes	5	7	10	13	19	13	23	22	304	254	254	22	410	370 F
	Sub-total Freshwater				105	22	360	363	369	363	240	243	558	554	484	177	612	620
	Sub-total Inland waters				105	22	360	363	369	363	240	243	558	554	484	177	612	620
	Marine areas	Marine	Marine fishes	Marine fishes														
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	0 -	100	200	250	400	250	457	486	485	505	602	545	662	670F
			Marine fishes	Marine fishes	0 -	100	200	250	400	250	457	486	485	505	602	545	662	670F
		Sub-total Marine				0 -	100	200	250	400	250	457	486	485	505	602	545	662
Sub-total Marine areas				0 -	100	200	250	400	250	457	486	485	505	602	545	662	670F	
Total Albania				105	122	560	613	769	613	697	729	1 043	1 059	1 086	722	1 274	1290	
		Freshwater	Diadromous fishes	Diadromous fishes	2 183	1 970	2 000	1 869	1 935	2 076	2 031	2 037	1 597	1 668	1 639	2 061	2 115 F	2256

FIGIS production data 2000-2013

Austria	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes	2 184	1 971	2 000	1 870	1 936	2 076	2 032	2 041	1 598	1 669	1 641	2 064	2 120 F	2258	
			Freshwater fishes	Freshwater fishes															
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	654	412	321	354	324	336	370	402	381	368	370	651	656 F	678	
			Freshwater fishes	Freshwater fishes	662	421	332	362	331	344	471	498	489	472	526	840	850 F	979	
		Sub-total Freshwater				2 846	2 392	2 332	2 232	2 267	2 420	2 503	2 539	2 087	2 141	2 167	2 904	2 970 F	3237
		Sub-total Inland waters				2 846	2 392	2 332	2 232	2 267	2 420	2 503	2 539	2 087	2 141	2 167	2 904	2 970 F	3237
Total Austria				2 846	2 392	2 332	2 232	2 267	2 420	2 503	2 539	2 087	2 141	2 167	2 904	2 970 F	3237		
Belgium	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes															
			River eels	River eels	100	100	75 F	50 F	25 F	25 F	0 -	0 -	0 -	0 .	0 .	0 .	0 .	0	
			Salmons, trouts, smelts	Salmons, trouts, smelts	940	910	558	306 F	154 F	104 F	68	68	46	46	39	36	35 F	173	
			Diadromous fishes	Diadromous fishes	1 041	1 010	634	361 F	189 F	139 F	68	68	46	46	39	36	35 F	173	
		Freshwater	Freshwater fishes	Freshwater fishes															
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	250	270	800	600 F	400	200 F	0 -	0 -	0 -	0 .	0 .	0 .	0 .	0	
			Tilapias and other cichlids	Tilapias and other cichlids	180	200	150	100 F	50 F	25 F	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0	
			Freshwater fishes	Freshwater fishes	830	820	1 200	900 F	550	275 F	35 F	35 F	25 F	430 F	200 F	13	15 F	0	
		Sub-total Freshwater				1 871	1 830	1 834	1 261 F	739	414 F	103	103	71	476 F	239 F	49	50 F	173
		Sub-total Inland waters				1 871	1 830	1 834	1 261 F	739	414 F	103	103	71	476 F	239 F	49	50 F	173
Total Belgium				1 871	1 830	1 834	1 261 F	739	414 F	103	103	71	476 F	239 F	49	50 F	173		
Bosnia and Herzegovina	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes															
			Salmons, trouts, smelts	Salmons, trouts, smelts	0 .	0 .	2 280	3 905	3 480	3 817	4 008	3 953 F	4 077 F	4 010 F	4 010 F	3 024	2 819	2382	
			Diadromous fishes	Diadromous fishes	0 .	0 .	2 280	3 905	3 480	3 817	4 008	3 953 F	4 077 F	4 010 F	4 010 F	3 024	2 819	2382	
		Freshwater	Freshwater fishes	Freshwater fishes															
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	0 .	0 .	2 110	2 430	2 791	2 988	3 330	3 160 F	3 170 F	3 330 F	3 330 F	1 534	573	317	
			Freshwater fishes	Freshwater fishes	0 .	0 .	2 145	2 470	2 807	3 002	3 348	3 190 F	3 205 F	3 350 F	3 350 F	1 627	670	382	
	Sub-total Freshwater				0 .	0 .	4 425	6 375	6 287	6 819	7 356	7 143 F	7 282 F	7 360 F	7 360 F	4 651	3 489	2764	
	Sub-total Inland waters				0 .	0 .	4 425	6 375	6 287	6 819	7 356	7 143 F	7 282 F	7 360 F	7 360 F	4 651	3 489	2764	
	Marine areas	Marine	Marine fishes	Marine fishes															
			Marine fishes not identified	Marine fishes not identified	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	60 F	97 F	0	
Miscellaneous coastal fishes			Miscellaneous coastal fishes	0 .	0 .	190	190	92	191	195	215 F	220 F	190 F	190 F	210	0 .	109		
Marine fishes			Marine fishes	0 .	0 .	190	190	92	191	195	215 F	220 F	190 F	190 F	270	97 F	109		
Sub-total Marine				0 .	0 .	190	190	92	191	195	215 F	220 F	190 F	190 F	270	97 F	109		
Sub-total Marine areas				0 .	0 .	190	190	92	191	195	215 F	220 F	190 F	190 F	270	97 F	109		
Total Bosnia and Herzegovina				0 .	0 .	4 615	6 565	6 379	7 010	7 551	7 358 F	7 502 F	7 550 F	7 550 F	4 920	3 586	2874		
Freshwater	Diadromous fishes	Diadromous fishes																	
	River eels	River eels	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0			
	Salmons, trouts, smelts	Salmons, trouts, smelts	390	855	39	50	1 186	1 157	1 565	1 682	1 812	2 397	2 928	1 552	2 202	3078			

FIGIS production data 2000-2013

Bulgaria	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes	390	893	40	51	1 189	1 464	1 724	1 884	1 922	2 643	3 385	1 853	2 526	3373			
			Freshwater fishes	Freshwater fishes																	
		Freshwater	Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	2 750	2 024	2 111	2 466	1 165	1 309	1 220	1 688	2 448	2 998	3 585	2 811	2 451	6490			
			Freshwater fishes	Freshwater fishes	3 254	2 042	2 213	4 399	1 182	1 507	1 305	1 859	2 637	3 270	3 828	3 024	2 567	6919			
			Sub-total Freshwater	Sub-total Freshwater	3 644	2 935	2 253	4 450	2 371	2 971	3 029	3 743	4 559	5 913	7 212	4 877	5 092	10292			
		Sub-total Inland waters		Sub-total Inland waters		3 644	2 935	2 253	4 450	2 371	2 971	3 029	3 743	4 559	5 913	7 212	4 877	5 092	10292		
Total Bulgaria				Total Bulgaria				3 644	2 935	2 253	4 450	2 371	2 971	3 029	3 743	4 559	5 913	7 212	4 877	5 092	10292
Croatia	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes																	
			Salmons, trouts, smelts	Salmons, trouts, smelts	678	1 261	911	791	1 075	1 301	1 885	2 031	2 058	1 982	2 482	2 481	1 227	345			
			Diadromous fishes	Diadromous fishes	678	1 261	911	791	1 075	1 301	1 885	2 031	2 058	1 982	2 482	2 481	1 227	345			
		Freshwater	Freshwater fishes	Freshwater fishes																	
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	2 551	3 264	2 409	2 318	2 156	2 836	3 087	2 278	2 279	2 879	2 429	3 666	3 070	2739			
			Freshwater fishes	Freshwater fishes	2 713	3 405	2 549	2 449	2 322	3 006	3 202	2 364	2 400	3 084	2 566	3 802	3 214	2890			
	Sub-total Freshwater		Sub-total Freshwater		3 391	4 666	3 460	3 240	3 397	4 307	5 087	4 395	4 458	5 066	5 048	6 283	4 441	3235			
	Sub-total Inland waters		Sub-total Inland waters		3 391	4 666	3 460	3 240	3 397	4 307	5 087	4 395	4 458	5 066	5 048	6 283	4 441	3235			
	Marine areas	Marine	Marine fishes	Marine fishes																	
			Marine fishes not identified	Marine fishes not identified	35	40	0.	0.	50	50	50	50	0.	0.	0.	0.	0	0			
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	2 100	2 460	2 500	2 423	3 000	3 000	3 450	3 950	4 500	5 003	5 203	4 533	4 651	5865			
Marine fishes			Marine fishes	2 337	2 802	3 075	3 205	4 960	4 760	6 850	6 090	6 360	7 103	6 883	6 143	5 776	6780				
Sub-total Marine			Sub-total Marine		2 337	2 802	3 075	3 205	4 960	4 760	6 850	6 090	6 360	7 103	6 883	6 143	5 776	6780			
Sub-total Marine areas		Sub-total Marine areas		2 337	2 802	3 075	3 205	4 960	4 760	6 850	6 090	6 360	7 103	6 883	6 143	5 776	6780				
Total Croatia				Total Croatia				5 728	7 468	6 535	6 445	8 357	9 067	11 937	10 485	10 818	12 169	11 931	12 426	10 217	10019
Czech Republic	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes																	
			River eels	River eels	1	1	1	1	0 0	1	1	0 0	0 0	0 0	0 -	0 -	1	0			
			Salmons, trouts, smelts	Salmons, trouts, smelts	867	826	785	739	713	771	703	803	839	690	764	843	770	690			
		Diadromous fishes	Diadromous fishes	868	827	786	740	713	772	704	803	839	690	764	843	771	690				
		Freshwater	Freshwater fishes	Freshwater fishes																	
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	18 063	18 754	17 823	18 176	18 040	19 081	19 019	18 962	18 771	18 520	19 032	19 336	19 135	17857			
			Tilapias and other cichlids	Tilapias and other cichlids	0.	0.	0.	0.	0.	0.	0.	0.	0.	6	0.	0.	0.	0			
			Freshwater fishes	Freshwater fishes	18 607	19 271	18 424	18 930	18 671	19 683	19 727	19 644	19 556	19 381	19 656	20 167	19 992	18667			
		Sub-total Freshwater		Sub-total Freshwater		19 475	20 098	19 210	19 670	19 384	20 455	20 431	20 447	20 395	20 071	20 420	21 010	20 763	19357		
		Sub-total Inland waters		Sub-total Inland waters		19 475	20 098	19 210	19 670	19 384	20 455	20 431	20 447	20 395	20 071	20 420	21 010	20 763	19357		
Total Czech Republic				Total Czech Republic				19 475	20 098	19 210	19 670	19 384	20 455	20 431	20 447	20 395	20 071	20 420	21 010	20 763	19357
Freshwater	Diadromous fishes	Diadromous fishes																			
	River eels	River eels	2 674	2 100	1 021	1 866	1 675	882	781	872	813	637	532 F	354	400	498					
	Salmons, trouts, smelts	Salmons, trouts, smelts	33 667	33 617	27 667	27 795	31 840	28 462	27 187	21 437	21 797	20 615	22 633 F	22 883 F	21 548	19307					

FIGIS production data 2000-2013

Denmark	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes	36 341	35 717	28 688	29 661	33 515	29 344	27 968	22 309	22 611	21 252	23 165 F	23 238 F	21 949	19805			
			Freshwater fishes	Freshwater fishes																	
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0	
			Freshwater fishes	Freshwater fishes	0 .	0 .	0 .	6	11	49	36	47	49	104	53	67	110			391	
			Marine fishes	Marine fishes	0 .	0 .	0 .	0 .	0 .	0 .	4	17	1	0 .	0 .	0 .	0 .			0	
	Sub-total Freshwater				36 341	35 717	28 688	29 667	33 526	29 393	28 008	22 373	22 661	21 356	23 218 F	23 305 F	22 058		20196		
	Sub-total Inland waters				36 341	35 717	28 688	29 667	33 526	29 393	28 008	22 373	22 661	21 356	23 218 F	23 305 F	22 058		20196		
	Denmark	Brackishwater		Diadromous fishes	Diadromous fishes																
				River eels	River eels	0 .	0 .	0 .	43	44	720	0 .	0 -	0 -	0 -	0 .	0 .	0 .		0	
				Salmons, trouts, smelts	Salmons, trouts, smelts	0 -	0 -	50	280	293	730	0 0	201	347	94	177 F	171 F	0 .		0	
				Diadromous fishes	Diadromous fishes	0 -	0 -	50	323	337	1 450	0 0	201	347	94	177 F	171 F	0 .		0	
				Sub-total Brackishwater				0 -	0 -	50	323	337	1 450	0 0	201	347	94	177 F	171 F	0 .	0
		Marine areas	Marine		Diadromous fishes	Diadromous fishes															
					River eels	River eels	0 -	0 -	145	103	104	71	918	742	82	1 022	1 000 F	800 F	661		0
					Salmons, trouts, smelts	Salmons, trouts, smelts	7 264	5 853	3 140	7 664	8 786	7 810	7 848	6 882	10 228	9 099	10 100 F	10 100 F	10 327		10548
Diadromous fishes					Diadromous fishes	7 264	5 853	3 285	7 767	8 890	7 881	8 766	7 624	10 310	10 121	11 100 F	10 900 F	10 988		10548	
Marine			Marine fishes	Marine fishes																	
Marine fishes not identified	Marine fishes not identified	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	5	0 .	0 .		306				
Marine fishes	Marine fishes	0 -	0 -	3	4	6	8	3	21	11	2	11	5	2			306				
Sub-total Marine				7 264	5 853	3 288	7 771	8 896	7 889	8 769	7 645	10 321	10 123	11 111 F	10 905 F	10 990		10854			
Sub-total Marine areas				7 264	5 853	3 338	8 094	9 233	9 339	8 769	7 846	10 668	10 218	11 288 F	11 076 F	10 990		10854			
Total Denmark				43 605	41 570	32 026	37 761	42 759	38 732	36 777	30 219	33 329	31 574	34 506 F	34 381 F	33 049		31050			
Estonia	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes																	
			River eels	River eels	0 -	0 -	5	15	7	40	40	45	47	30	20	2	0 .		0		
			Salmons, trouts, smelts	Salmons, trouts, smelts	178	413	210	304	194	451	520	619	649	549	488	334	245		465		
			Diadromous fishes	Diadromous fishes	178	413	215	319	201	506	619	739	738	602	531	349	245		465		
		Freshwater		Freshwater fishes	Freshwater fishes																
				Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	47	53	42	52	49	46	82	30	72	47	40	38	38		44	
				Freshwater fishes	Freshwater fishes	47	54	42	52	50	47	83	30	73	49	41	39	125		267	
Sub-total Freshwater				225	467	257	371	251	553	702	769	811	652	573	388	371		733			
Sub-total Inland waters				225	467	257	371	251	553	702	769	811	652	573	388	371		733			
Total Estonia				225	467	257	371	251	553	702	769	811	652	573	388	371		733			
Faroe Islands	Marine areas	Marine	Diadromous fishes	Diadromous fishes																	
			Salmons, trouts, smelts	Salmons, trouts, smelts	34 823	49 167	56 102	62 746	46 077	23 455	18 574	30 699	46 673	59 295	47 575	60 473	76 564		75909		
			Diadromous fishes	Diadromous fishes	34 823	49 167	56 102	62 746	46 077	23 455	18 574	30 699	46 673	59 295	47 575	60 473	76 564		75909		
			Sub-total Marine				34 823	49 167	56 102	62 746	46 077	23 455	18 574	30 699	46 673	59 295	47 575	60 473	76 564		75909
Sub-total Marine areas				34 823	49 167	56 102	62 746	46 077	23 455	18 574	30 699	46 673	59 295	47 575	60 473	76 564		75909			
Total Faroe Islands				34 823	49 167	56 102	62 746	46 077	23 455	18 574	30 699	46 673	59 295	47 575	60 473	76 564		75909			

FIGIS production data 2000-2013

Finland	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	2 077	2 500	2 934	2 097	1 798	2 197	2 120	2 173	2 087	2 421	1 868	1 847	2 124	2030
			Diadromous fishes	Diadromous fishes	2 077	2 500	2 934	2 097	1 798	2 197	2 120	2 173	2 087	2 421	1 868	1 847	2 124	2030
			Freshwater fishes	Freshwater fishes	44	49	38	26	54	37	26	56	72	92	58	83	87	103
		Sub-total Freshwater		2 121	2 549	2 972	2 123	1 852	2 234	2 146	2 229	2 159	2 513	1 926	1 930	2 211	2133	
	Sub-total Inland waters		2 121	2 549	2 972	2 123	1 852	2 234	2 146	2 229	2 159	2 513	1 926	1 930	2 211	2133		
	Marine areas	Brackishwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	13 279	13 190	12 160	10 435	10 969	12 121	10 745	10 796	11 280	11 086	9 846	9 345	10 448	11480
			Diadromous fishes	Diadromous fishes	13 279	13 190	12 160	10 435	10 969	12 121	10 745	10 796	11 280	11 086	9 846	9 345	10 448	11480
			Freshwater fishes	Freshwater fishes	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	28	0 -	0 -	0 -	0
Sub-total Brackishwater		13 279	13 190	12 160	10 435	10 969	12 121	10 745	10 796	11 280	11 114	9 846	9 345	10 448	11480			
Sub-total Marine areas		13 279	13 190	12 160	10 435	10 969	12 121	10 745	10 796	11 280	11 114	9 846	9 345	10 448	11480			
Total Finland				15 400	15 739	15 132	12 558	12 821	14 355	12 891	13 025	13 439	13 627	11 772	11 275	12 659	13613	
France	Inland waters	Brackishwater	Diadromous fishes	Diadromous fishes														
			River eels	River eels	6	0 0	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0
			Diadromous fishes	Diadromous fishes	6	0 0	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0
		Sub-total Brackishwater		6	0 0	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0	
		Freshwater	Diadromous fishes	Diadromous fishes														
			River eels	River eels	36	42	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0
	Salmons, trouts, smelts		Salmons, trouts, smelts	43 347	48 662	47 336	41 345	37 037	34 109	33 001	33 226	35 243	33 716	32 890 F	31 163	30 900 F	30900F	
	Freshwater	Diadromous fishes	Diadromous fishes	43 473	48 807	47 448	41 460	37 210	34 307	33 136	33 366	35 475	33 956	33 190 F	31 384	31 150 F	31150F	
		Freshwater fishes	Freshwater fishes															
		Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	9 709	9 332	8 960	8 130	7 317	7 317	7 317	7 300	7 300	7 300	7 300 F	7 300	6 700 F	6 700 F	
		Freshwater fishes	Freshwater fishes	10 715	10 323	9 930	9 040	8 012	8 012	8 012	8 000	8 000	8 000	8 000 F	8 000	7 400 F	7 400 F	
	Sub-total Freshwater		54 188	59 130	57 378	50 500	45 222	42 319	41 148	41 366	43 475	41 956	41 190 F	39 384	38 550 F	38 550 F		
	Sub-total Inland waters		54 194	59 130	57 378	50 500	45 222	42 319	41 148	41 366	43 475	41 956	41 190 F	39 384	38 550 F	38 550 F		
	Marine areas	Marine	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	560	504	957	724	925	1 284	1 428	1 168	1 362	9	800 F	840 F	340 F	340 F
			Diadromous fishes	Diadromous fishes	560	504	957	724	925	1 284	1 428	1 168	1 362	9	800 F	840 F	340 F	3410F
		Marine	Marine fishes	Marine fishes														
Marine fishes not identified			Marine fishes not identified	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	43	3 616	50 F	650 F	1 405 F	1 405 F	
Miscellaneous coastal fishes			Miscellaneous coastal fishes	4 233	4 409	5 062	5 115	4 964	5 958	5 130	5 122	5 900	2 184	4 400 F	4 102 F	4 050 F	4 050 F	
Marine fishes			Marine fishes	5 141	5 111	5 986	6 024	5 913	6 749	6 000	5 972	6 599	5 800	5 000 F	5 203 F	5 955 F	5 955 F	
Sub-total Marine		5 701	5 615	6 943	6 748	6 838	8 033	7 428	7 140	7 961	5 809	5 800 F	6 043 F	6 295 F	6 295 F			
Sub-total Marine areas		5 701	5 615	6 943	6 748	6 838	8 033	7 428	7 140	7 961	5 809	5 800 F	6 043 F	6 295 F	6 295 F			
Total France				59 895	64 745	64 321	57 248	52 060	50 352	48 576	48 506	51 436	47 765	46 990 F	45 427	44 845 F	44 845 F	
			Diadromous fishes	Diadromous fishes														
			River eels	River eels	150	150	150	150	322	329	567	440	447	385	398	660	460	

FIGIS production data 2000-2013

Germany	Inland waters	Freshwater	Salmons, trouts, smelts	Salmons, trouts, smelts	25 000	25 000	24 161	23 256	22 004	19 322	19 004	23 154	21 983	21 101	21 034	10 166	11 682	12163		
			Diadromous fishes	Diadromous fishes	25 150	25 150	24 311	23 406	22 363	19 673	19 799	23 822	22 644	21 592	21 525	10 866	12 436	12892		
		Freshwater	Freshwater fishes	Freshwater fishes																
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	10 500	10 500	11 373	16 221	16 044	11 999	10 584	9 244	10 855	9 887	9 634	5 082	5 682			5855
			Tilapias and other cichlids	Tilapias and other cichlids	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	36	50
			Freshwater fishes	Freshwater fishes	16 500	16 500	17 373	22 221	22 189	15 343	11 729	10 451	14 329	13 615	14 170	7 339	6 881			7259
	Sub-total Freshwater				41 650	41 650	41 684	45 627	44 552	35 016	31 528	34 273	36 973	35 207	35 695	18 205	19 317	20151		
	Sub-total Inland waters				41 650	41 650	41 684	45 627	44 552	35 016	31 528	34 273	36 973	35 207	35 695	18 205	19 317	20151		
	Marine areas	Brackishwater	Diadromous fishes	Diadromous fishes																
			Salmons, trouts, smelts	Salmons, trouts, smelts	27	26	23	19	19	21	20	20	22	14	14	26	30		22	
			Diadromous fishes	Diadromous fishes	27	26	23	19	19	21	20	20	22	14	14	26	30		22	
		Brackishwater	Marine fishes	Marine fishes																
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	7	10	40	0 .	45	25	15	15	0 0	0 0	0 -	0 .	0 .			0
			Marine fishes	Marine fishes	7	10	40	0 .	45	25	15	15	0 0	0 0	0 -	0 .	0 .			0
		Sub-total Brackishwater				34	36	63	19	64	46	35	35	22	14	14	26	30		22
	Marine	Marine fishes	Marine fishes	0 -	0 -	2	0 -	58	68	60	61	0 0	0 0	0 -	0 .	0 .			0	
	Sub-total Marine areas				34	36	65	19	122	114	95	96	22	14	14	26	30		22	
Total Germany				41 684	41 686	41 749	45 646	44 674	35 130	31 623	34 369	36 995	35 221	35 709	18 231	19 347		20173		
Greece	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes																
			River eels	River eels	540	591	332	458	429	261	290	365	399	341	320	208	320 F	300F		
			Salmons, trouts, smelts	Salmons, trouts, smelts	2 297	2 613	2 299	1 879	2 067	2 452	3 198	2 828	3 438	2 610	2 722	1 914	1 900 F	1 900 F		
		Diadromous fishes	Diadromous fishes	2 837	3 204	2 631	2 337	2 496	2 713	3 488	3 193	3 837	2 951	3 042	2 122	2 220 F	2 200 F			
		Freshwater	Freshwater fishes	Freshwater fishes																
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	115	112	135	107	105	107	136	93	113	114	123	52	120 F		120F	
	Freshwater fishes		Freshwater fishes	124	166	135	107	108	110	144	111	132	120	128	52	125 F		125 F		
	Freshwater	Marine fishes	Marine fishes																	
		Miscellaneous coastal fishes	Miscellaneous coastal fishes	22	21	50	35	63	31	21	17	22	22	33	24	30 F		30F		
		Marine fishes	Marine fishes	22	21	50	35	63	31	21	17	22	22	33	24	30 F		30F		
	Sub-total Freshwater				2 983	3 391	2 816	2 479	2 667	2 854	3 653	3 321	3 991	3 093	3 203	2 199	2 375 F	2355F		
	Sub-total Inland waters				2 983	3 391	2 816	2 479	2 667	2 854	3 653	3 321	3 991	3 093	3 203	2 199	2 375 F	2355F		
	Brackishwater	Diadromous fishes	Diadromous fishes																	
		River eels	River eels	62	47	101	85	52	110	94	81	87	87	52	79	80 F		50F		
Diadromous fishes		Diadromous fishes	62	47	101	85	52	110	94	81	87	87	52	79	80 F		50F			
Freshwater fishes		Freshwater fishes	323	332	137	352	312	317	293	305	284	177	263	134	260 F		200F			
Marine fishes		Marine fishes																		
	Marine fishes not identified	Marine fishes not identified	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	3	5 F		0		

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Marine areas	Brackishwater	Miscellaneous coastal fishes	Miscellaneous coastal fishes	882	818	562	668	682	642	930	678	611	547	663	761 F	752 F	750F	
		Marine fishes	Marine fishes	882	818	562	668	682	642	930	678	611	547	663	766 F	759 F	750F	
	Sub-total Brackishwater			1 267	1 197	800	1 105	1 046	1 069	1 317	1 064	982	811	978	979	1 099 F	1000F	
	Marine	Diadromous fishes	Diadromous fishes															
		River eels	River eels	0 -	1	0 0	1	76	1	1	8	3	0 -	0 -	2	2 F	0	
		Diadromous fishes	Diadromous fishes	0 -	1	0 0	1	76	1	1	8	3	0 -	0 -	2	2 F	0	
	Marine	Marine fishes	Marine fishes															
		Marine fishes not identified	Marine fishes not identified	1 842	1 190	924	907	1 311	1 411	2 001	1 827	1 861	1 724	2 913	42	45 F	45F	
		Miscellaneous coastal fishes	Miscellaneous coastal fishes	64 970	65 763	61 573	71 302	63 240	74 801	77 875	84 764	86 952	93 953	96 912	116 700 F	116 540 F	123640F	
		Marine fishes	Marine fishes	66 812	66 953	62 497	72 209	64 551	76 212	80 086	86 701	88 993	95 717	99 915	116 837 F	116 615 F	123640F	
Sub-total Marine			66 812	66 954	62 497	72 210	64 627	76 213	80 087	86 709	88 996	95 717	99 915	116 839 F	116 617 F	123640F		
Sub-total Marine areas			68 079	68 151	63 297	73 315	65 673	77 282	81 404	87 773	89 978	96 528	100 893	117 818 F	117 716 F	124740F		
Total Greece			71 062	71 542	66 113	75 794	68 340	80 136	85 057	91 094	93 969	99 621	104 096	120 017 F	120 091 F	127095F		
Hungary	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			River eels	River eels	0 .	73	36	11	11	5	0 -	0 -	0 0	0 -	0 -	0 -	0 -	0
			Salmons, trouts, smelts	Salmons, trouts, smelts	24	19	19	28	24	28	42	42	62	58	48	44	45	52
		Diadromous fishes	Diadromous fishes	24	95	68	51	47	54	63	63	86	82	129	95	83	84	
	Freshwater	Freshwater fishes	Freshwater fishes															
		Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	11 237	11 227	10 004	10 034	10 761	11 444	11 833	12 810	12 769	12 035	11 464	12 865	12 255	11883	
			Freshwater fishes	12 862	12 961	11 506	11 819	12 697	13 607	14 623	15 801	15 601	14 743	14 116	15 489	15 050	14834	
Sub-total Freshwater			12 886	13 056	11 574	11 870	12 744	13 661	14 686	15 864	15 687	14 825	14 245	15 584	15 133	14918		
Sub-total Inland waters			12 886	13 056	11 574	11 870	12 744	13 661	14 686	15 864	15 687	14 825	14 245	15 584	15 133	14918		
Total Hungary			12 886	13 056	11 574	11 870	12 744	13 661	14 686	15 864	15 687	14 825	14 245	15 584	15 133	14918		
Iceland	Inland waters	Brackishwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	24	105	248	180	104	24	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0
			Diadromous fishes	Diadromous fishes	24	105	248	180	104	24	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0
		Sub-total Brackishwater			24	105	248	180	104	24	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0
	Freshwater	Diadromous fishes	Diadromous fishes															
		Salmons, trouts, smelts	Salmons, trouts, smelts	303	493	412	264	322	312	455	513	381	75	88	226	422	113	
		Diadromous fishes	Diadromous fishes	303	493	412	264	322	312	455	513	381	75	88	226	422	113	
	Sub-total Freshwater			303	493	412	264	322	312	455	513	381	75	88	226	422	113	
	Sub-total Inland waters			327	598	660	444	426	336	455	513	381	75	88	226	422	113	
		Brackishwater	Diadromous fishes	Diadromous fishes														
Salmons, trouts, smelts			Salmons, trouts, smelts	1 187	1 051	1 310	3 233	3 563	2 996	1 434	1 839	3 115	3 119	3 495	4 104	6 012	6233	
Diadromous fishes			Diadromous fishes	1 187	1 051	1 310	3 233	3 563	2 996	1 434	1 839	3 115	3 119	3 495	4 104	6 012	6233	
Sub-total Brackishwater			1 187	1 051	1 310	3 233	3 563	2 996	1 434	1 839	3 115	3 119	3 495	4 104	6 012	6233		
		Diadromous fishes	Diadromous fishes															

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	Marine areas	Marine	Salmons, trouts, smelts	Salmons, trouts, smelts	2 040	2 419	1 228	1 875	4 115	4 160	4 602	903	0 -	0 -	0 -	0 -	0 -	0		
			Diadromous fishes	Diadromous fishes	2 040	2 419	1 228	1 875	4 115	4 160	4 602	903	0 -	0 -	0 -	0 -	0 -	0 -	0	
		Marine	Marine fishes	Marine fishes																
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	20	20	40	80	0 .	0 .	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0	
			Marine fishes	Marine fishes	54	280	363	652	754	754 F	1 750	1 568	1 592	1 922	1 435	930	934	540		
		Sub-total Marine				2 094	2 699	1 591	2 527	4 869	4 914	6 352	2 471	1 592	1 922	1 435	930	934	540	
Sub-total Marine areas				3 281	3 750	2 901	5 760	8 432	7 910	7 786	4 310	4 707	5 041	4 930	5 034	6 946	6 773			
Total Iceland				3 608	4 348	3 561	6 204	8 858	8 246	8 241	4 823	5 088	5 116	5 018	5 260	7 368	6886			
Ireland	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes																
			River eels	River eels	1	0 .	0 .	0 .	0 .	0 .	0 .	0 -	0 -	0 -	0 -	0 -	0 -	0		
			Salmons, trouts, smelts	Salmons, trouts, smelts	1 116	765	805	1 081	889	897	1 006	805	829	934	708	641	641	768		
			Diadromous fishes	Diadromous fishes	1 117	765	805	1 081	889	897	1 006	805	829	934	708	641	641	768		
			Freshwater fishes	Freshwater fishes	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	5	24	24	16	10	40		
	Sub-total Freshwater				1 117	765	805	1 081	889	897	1 006	805	834	958	732	657	651	808		
	Sub-total Inland waters				1 117	765	805	1 081	889	897	1 006	805	834	958	732	657	651	808		
	Marine areas	Marine	Diadromous fishes	Diadromous fishes																
			Salmons, trouts, smelts	Salmons, trouts, smelts	19 008	24 289	24 119	16 717	14 349	14 481	11 720	10 430	10 147	12 688	16 125	12 796	12 620	9305		
			Diadromous fishes	Diadromous fishes	19 008	24 289	24 119	16 717	14 349	14 481	11 720	10 430	10 147	12 688	16 125	12 796	12 620	9305		
Marine fishes			Marine fishes	12	28	50	40	25	6	0 .	0 -	0 -	0 -	0 -	0 0	0 .	0			
Sub-total Marine				19 020	24 317	24 169	16 757	14 374	14 487	11 720	10 430	10 147	12 688	16 125	12 796	12 620	9305			
Sub-total Marine areas				19 020	24 317	24 169	16 757	14 374	14 487	11 720	10 430	10 147	12 688	16 125	12 796	12 620	9305			
Total Ireland				20 137	25 082	24 974	17 838	15 263	15 384	12 726	11 235	10 981	13 646	16 857	13 453	13 271	10113			
Italy	Inland waters	Brackishwater	Freshwater fishes	Freshwater fishes	0 .	0 .	0 .	0 .	3	0 -	0 -	0 -	3	0 .	0 .	0 .	0 .	0		
			Diadromous fishes	Diadromous fishes																
		Freshwater	River eels	River eels	2 450	2 300	1 618	1 350	1 034	955	656	898	393	400	383	470	450 F	450 F		
			Salmons, trouts, smelts	Salmons, trouts, smelts	44 500	44 000	33 940	38 000	30 238	30 564	30 796	37 905	37 421	37 310	36 728	36 614	36 670 F	36 670 F		
			Diadromous fishes	Diadromous fishes	47 500	47 000	36 839	40 350	32 390	32 677	32 312	39 553	38 607	38 507	37 864	37 923	37 970 F	37 970 F		
		Freshwater	Freshwater fishes	Freshwater fishes																
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	700	700	232	650	320	302	201	86	84	82	110	172	170 F	170 F		
			Tilapias and other cichlids	Tilapias and other cichlids	0 .	0 .	0 .	0 .	20	20	10	23	19	17	13	10	10 F	10 F		
			Freshwater fishes	Freshwater fishes	1 250	1 350	797	2 350	1 215	889	822	474	668	827	766	826	830 F	830 F		
		Freshwater	Marine fishes	Marine fishes																
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	0 .	0 .	0 .	0 .	1	0 -	0 -	0 -	0 -	0 -	0 -	28	30 F	30F		
			Marine fishes	Marine fishes	0 .	0 .	0 .	0 .	1	0 -	0 -	0 -	0 -	0 -	0 -	28	30 F	30F		
		Sub-total Freshwater				48 750	48 350	37 636	42 700	33 606	33 566	33 134	40 027	39 275	39 334	38 630	38 778	38 830 F	38830F	
Sub-total Inland waters				48 750	48 350	37 636	42 700	33 609	33 566	33 134	40 027	39 278	39 334	38 630	38 778	38 830 F	38830F			
Brackishwater	Diadromous fishes	Diadromous fishes																		
	River eels	River eels	250	200	77	200	186	177	151	88	6	7	264	39	50 F	50F				

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Marine areas	Brackishwater	Diadromous fishes	Diadromous fishes	250	200	77	200	186	177	151	88	6	7	264	39	50 F	50F	
		Marine fishes	Marine fishes															
		Marine fishes not identified	Marine fishes not identified	0 .	0 .	0 .	250	1	0 .	0 .	30	0 .	0 .	0 .	0 .	0 .	0 .	0
		Miscellaneous coastal fishes	Miscellaneous coastal fishes	4 600	4 600	2 726	4 600	2 425	867	2 315	3 406	5 988	5 786	6 537	6 601	6 600 F	6 600 F	
		Marine fishes	Marine fishes	4 600	4 600	2 729	4 850	2 426	867	2 315	3 436	5 988	5 786	6 537	6 601	6 600 F	6 600 F	
	Sub-total Brackishwater			4 850	4 800	2 806	5 050	2 612	1 044	2 466	3 524	5 994	5 792	6 801	6 640	6 650 F	6 650 F	
	Marine	Diadromous fishes	Diadromous fishes															
		River eels	River eels	0 -	0 -	4	0 -	0 -	0 -	0 -	14	152	160	0 .	0 .	0 .	0	
		Diadromous fishes	Diadromous fishes	0 -	0 -	4	0 -	0 -	0 -	0 -	14	152	160	0 .	0 .	0 .	0	
	Marine	Marine fishes	Marine fishes															
		Marine fishes not identified	Marine fishes not identified	0 .	0 .	0 .	1 500	0 .	0 .	0 .	17	0 .	0 .	0 .	0	0 .	0	
		Miscellaneous coastal fishes	Miscellaneous coastal fishes	12 900	16 100	9 843	17 400	11 189	12 732	12 740	14 634	7 262	7 334	6 985	6 392	6 342 F	6 342 F	
		Marine fishes	Marine fishes	12 900	16 161	10 166	19 122	11 620	13 190	13 110	15 511	7 651	7 468	7 020	6 828	6 428 F	6 428 F	
	Sub-total Marine			12 900	16 161	10 170	19 122	11 620	13 190	13 110	15 525	7 803	7 628	7 020	6 828	6 428 F	6 428 F	
Sub-total Marine areas			17 750	20 961	12 976	24 172	14 232	14 234	15 576	19 049	13 797	13 420	13 822	13 468	13 078 F	13 078 F		
Total Italy			66 500	69 311	50 612	66 872	47 841	47 800	48 710	59 076	53 075	52 754	52 452	52 246	51 908 F	51 908 F		
Latvia	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	4	9	7	7	2	2	6	33	19	17	16	11	23	
		Diadromous fishes	Diadromous fishes	5	11	10	7	2	4	15	55	49	27	26	30	50		
	Freshwater	Freshwater fishes	Freshwater fishes															
		Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	317	449	416	624	530	528	508	599	499	457	471	468	486	543	
		Tilapias and other cichlids	Tilapias and other cichlids	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	1	1		
		Freshwater fishes	Freshwater fishes	320	452	420	630	543	538	550	672	535	490	522	515	524	579	
	Sub-total Freshwater			325	463	430	637	545	542	565	727	584	517	549	545	574	643	
Sub-total Inland waters			325	463	430	637	545	542	565	727	584	517	549	545	574	643		
Total Latvia			325	463	430	637	545	542	565	727	584	517	549	545	574	643		
Lithuania	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			River eels	River eels	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	11	12	0 .	0 .	0 .	
			Salmons, trouts, smelts	Salmons, trouts, smelts	12	8	23	9	11	46	61	70	81	51	34	41	115	
		Diadromous fishes	Diadromous fishes	12	8	23	9	11	51	71	78	109	72	51	92	170		
	Freshwater	Freshwater fishes	Freshwater fishes															
		Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	1 968	1 979	1 717	2 326	2 656	1 945	2 127	3 255	2 878	3 329	3 024	3 152	3 367	3896	
		Freshwater fishes	Freshwater fishes	1 984	1 993	1 727	2 347	2 686	1 962	2 153	3 299	2 899	3 349	3 140	3 187	3 412	3980	
	Sub-total Freshwater			1 996	2 001	1 750	2 356	2 697	2 013	2 224	3 377	3 008	3 422	3 191	3 280	3 582	4211	
Sub-total Inland waters			1 996	2 001	1 750	2 356	2 697	2 013	2 224	3 377	3 008	3 422	3 191	3 280	3 582	4211		
Total Lithuania			1 996	2 001	1 750	2 356	2 697	2 013	2 224	3 377	3 008	3 422	3 191	3 280	3 582	4211		

FIGIS production data 2000-2013

Macedonia, Fmr Yug Rp of	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	705	454	560	672	711	442	378	758	910	1 147	1 238	1 114	1 040	1066
			Diadromous fishes	Diadromous fishes	705	454	560	672	711	442	378	758	910	1 147	1 238	1 114	1 040	1066
		Freshwater	Freshwater fishes	Freshwater fishes														
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	238	153	173	174	248	187	167	206	247	340	197	202	194	192
			Freshwater fishes	Freshwater fishes	512	333	203	192	248	401	210	283	377	393	253	254	266	274
		Sub-total Freshwater			1 217	787	763	864	959	843	588	1 041	1 287	1 540	1 491	1 368	1 306	1340
Sub-total Inland waters			1 217	787	763	864	959	843	588	1 041	1 287	1 540	1 491	1 368	1 306	1340		
Total Macedonia, Fmr Yug Rp of			1 217	787	763	864	959	843	588	1 041	1 287	1 540	1 491	1 368	1 306	1340		
Moldova, Republic of	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	80 F	100F	
			Freshwater fishes	Freshwater fishes														
		Freshwater	Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	1 550	1 689	2 315	3 288	5 440 F	6 090 F	6 590 F	7 280 F	7 380 F	7 780 F	8 280 F	8 780 F	8 880 F	8880F
			Freshwater fishes	Freshwater fishes	1 700	1 699	2 325	3 398	5 640 F	6 290 F	6 790 F	7 480 F	7 780 F	8 280 F	8 780 F	9 280 F	9 400 F	9 400 F
		Sub-total Freshwater			1 700	1 699	2 325	3 398	5 640 F	6 290 F	6 790 F	7 480 F	7 780 F	8 280 F	8 780 F	9 280 F	9 480 F	9500F
Sub-total Inland waters			1 700	1 699	2 325	3 398	5 640 F	6 290 F	6 790 F	7 480 F	7 780 F	8 280 F	8 780 F	9 280 F	9 480 F	9500F		
Total Moldova, Republic of			1 700	1 699	2 325	3 398	5 640 F	6 290 F	6 790 F	7 480 F	7 780 F	8 280 F	8 780 F	9 280 F	9 480 F	9500F		
Netherlands	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			River eels	River eels	3 700	4 000	3 868	4 200	4 500	4 000	5 000	4 000	3 700	2 800	3 000	2 050	1 800	1800F
			Salmons, trouts, smelts	Salmons, trouts, smelts	39	29	43	100	50	50	50	50	50 F	100 F	50 F	50 F	50 F	50 F
			Diadromous fishes	Diadromous fishes	3 739	4 029	3 911	4 300	4 550	4 050	5 050	4 050	3 750	2 900	3 050	2 100	1 850	1 850F
		Freshwater	Freshwater fishes	Freshwater fishes														
			Tilapias and other cichlids	Tilapias and other cichlids	0 .	0 .	0 .	0 .	300	350	1 250	1 000	800 F	350 F	100 F	100 F	0 .	0
			Freshwater fishes	Freshwater fishes	2 600	1 456	2 606	3 200	3 900	4 550	5 750	5 580	4 895	4 907	3 420	1 940	1 440	1440F
		Freshwater	Marine fishes	Marine fishes														
			Marine fishes not identified	Marine fishes not identified	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	10 F	55 F	20 F	100 F	120 F	120 F
			Marine fishes	Marine fishes	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	10 F	55 F	20 F	100 F	120 F	120 F
		Sub-total Freshwater			6 339	5 485	6 517	7 500	8 450	8 600	10 800	9 630	8 655	7 862	6 490	4 140	3 410	3410F
Sub-total Inland waters			6 339	5 485	6 517	7 500	8 450	8 600	10 800	9 630	8 655	7 862	6 490	4 140	3 410	3410F		
Marine areas	Brackishwater	Marine fishes	Marine fishes	0 .	0 .	0 .	75	75	75	100	90	90 F	150 F	250 F	260	180F		
	Marine	Marine fishes	Marine fishes	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	20 F	20 F	20 F	20 F		
Sub-total Marine areas			0 .	0 .	0 .	75	75	75	100	90	90 F	150 F	270 F	280	200	200F		
Total Netherlands			6 339	5 485	6 517	7 575	8 525	8 675	10 900	9 720	8 745	8 012	6 760	4 420	3 610	3 610F		
	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	0 .	0 .	0 .	0 .	0 .	66	83	85	90	83	88	73	85	103
			Diadromous fishes	Diadromous fishes	0 .	0 .	0 .	0 .	0 .	66	83	85	90	83	88	73	85	103
			Sub-total Freshwater			0 .	0 .	0 .	0 .	0 .	66	83	85	90	83	88	73	85
		Sub-total Inland waters			0 .	0 .	0 .	0 .	0 .	66	83	85	90	83	88	73	85	103
			Diadromous fishes	Diadromous fishes														

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Norway	Marine areas	Marine	Salmons, trouts, smelts	Salmons, trouts, smelts	489 121	508 185	546 373	578 747	627 581	645 752	693 471	821 997	823 338	937 319	994 607	1 123 616	1 306 987	1240053		
			Diadromous fishes	Diadromous fishes	489 121	508 185	546 373	578 747	627 581	645 752	693 471	821 997	823 338	937 319	994 607	1 123 616	1 306 987	1240053		
		Marine	Marine fishes	Marine fishes																
			Marine fishes not identified	Marine fishes not identified	1 141	754	663	1 229	1 608	2 549	2 798	3 365	3 240	218	256	237	273	191		
			Marine fishes	Marine fishes	1 310	1 618	2 345	3 841	5 404	11 155	15 070	16 777	22 879	22 710	23 106	18 277	12 047	5346		
		Sub-total Marine					490 431	509 803	548 718	582 588	632 985	656 907	708 541	838 774	846 217	960 028	1 017 713	1 141 894	1 319 033	1245399
		Sub-total Marine areas					490 431	509 803	548 718	582 588	632 985	656 907	708 541	838 774	846 217	960 028	1 017 713	1 141 894	1 319 033	1245399
Total Norway						490 431	509 803	548 718	582 588	632 985	656 973	708 624	838 859	846 307	960 112	1 017 801	1 141 967	1 319 118	1245502	
Poland	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes																
			Salmons, trouts, smelts	Salmons, trouts, smelts	11 445	11 000	10 709	11 696	14 647	17 100	16 984	16 650	16 522	14 872	12 940	11 200	10 900	11554		
			Diadromous fishes	Diadromous fishes	11 695	11 300	11 009	11 996	14 947	17 350	17 284	16 900	16 792	15 020	13 110	11 441	11 234	11994		
		Freshwater	Freshwater fishes	Freshwater fishes																
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	24 100	23 500	20 500	22 800	19 611	19 920	16 950	16 698	18 165	19 143	16 479	16 102	19 529	20475		
			Tilapias and other cichlids	Tilapias and other cichlids	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	0 .	200 F	200F		
		Freshwater fishes	Freshwater fishes	24 100	24 160	21 700	23 440	20 184	20 570	18 583	18 728	20 015	21 483	17 641	17 596	21 021	23208			
Sub-total Freshwater					35 795	35 460	32 709	35 436	35 131	37 920	35 867	35 628	36 807	36 503	30 751	29 037	32 255	35202		
Sub-total Inland waters					35 795	35 460	32 709	35 436	35 131	37 920	35 867	35 628	36 807	36 503	30 751	29 037	32 255	35202		
Total Poland						35 795	35 460	32 709	35 436	35 131	37 920	35 867	35 628	36 807	36 503	30 751	29 037	32 255	35202	
Portugal	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes																
			Salmons, trouts, smelts	Salmons, trouts, smelts	1 292	1 211	1 233	954	822	845	943	903	304	252	952	1 115	479	317		
			Diadromous fishes	Diadromous fishes	1 292	1 211	1 233	954	822	845	943	903	304	252	952	1 115	479	317		
		Freshwater	Freshwater fishes	Freshwater fishes																
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	0 -	0 -	0 -	0 -	0 -	0 -	4	0 .	0 .	0 .	0 .	0 .	0 .	0		
			Freshwater fishes	Freshwater fishes	0 -	0 -	0 -	0 -	0 -	0 -	4	0 -	0 -	0 -	0 -	0 -	0 -	0		
		Sub-total Freshwater					1 292	1 211	1 233	954	822	845	947	903	304	252	952	1 115	479	317
Sub-total Inland waters					1 292	1 211	1 233	954	822	845	947	903	304	252	952	1 115	479	317		
Portugal	Marine areas	Brackishwater	Diadromous fishes	Diadromous fishes																
			River eels	River eels	4	7	4	5	2	1	2	1	1	1	0	1	1	1		
			Diadromous fishes	Diadromous fishes	4	7	4	5	2	1	2	1	1	1	0	1	1	1		
		Brackishwater	Marine fishes	Marine fishes																
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	7	4	4	4	1	0 -	0 -	14	2 258	1 225	953	968	26	18		
			Marine fishes	Marine fishes	7	4	4	4	1	0 -	0 -	14	2 258	1 225	953	968	26	18		
		Sub-total Brackishwater					11	11	8	9	3	1	2	15	2 259	1 226	954	969	26	19
Marine	Marine fishes	Marine fishes																		
	Marine fishes not identified	Marine fishes not identified	9	7	6	3	1	2	1	4	1	1	1	0	0 .	0				
	Miscellaneous coastal fishes	Miscellaneous coastal fishes	2 468	2 687	2 663	2 833	2 920	3 096	3 232	3 149	487	586	536	336	1 438	1304				

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			Marine fishes	Marine fishes	2 867	3 054	3 061	3 163	3 194	3 324	3 439	3 341	875	1 917	2 975	3 537	5 889	3802	
			Sub-total Marine		2 867	3 054	3 061	3 163	3 194	3 324	3 439	3 341	875	1 917	2 975	3 537	5 889	3802	
			Sub-total Marine areas		2 878	3 065	3 069	3 172	3 197	3 325	3 441	3 356	3 134	3 143	3 928	4 506	5 915	3821	
			Total Portugal		4 170	4 276	4 302	4 126	4 019	4 170	4 388	4 259	3 438	3 395	4 880	5 621	6 394	4138	
Romania	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes															
			River eels	River eels	0 -	0 -	0 -	0 -	0 -	0 -	1	1	0 .	0 .	0	0 .	0 .	0	
			Salmons, trouts, smelts	Salmons, trouts, smelts	514	600	822	1 020	1 241	1 051	122	725	1 037	1 238	1 400 F	1 710	2 035 F	3035F	
			Diadromous fishes	Diadromous fishes	514	600	822	1 020	1 242	1 051	123	726	1 037	1 238	1 439 F	1 728	2 065 F	3065F	
		Freshwater	Freshwater fishes	Freshwater fishes															
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	9 127	10 098	8 308	7 760	6 233	6 038	7 692	9 147	11 197	11 682	7 186	6 438	7 445 F	7445F	
			Freshwater fishes	Freshwater fishes	9 213	10 218	8 426	8 022	6 895	6 233	7 965	9 586	11 495	11 893	7 543	6 623	7 940 F	7940F	
			Sub-total Freshwater		9 727	10 818	9 248	9 042	8 137	7 284	8 088	10 312	12 532	13 131	8 981	8 352	10 005 F	11005F	
			Sub-total Inland waters		9 727	10 818	9 248	9 042	8 137	7 284	8 088	10 312	12 532	13 131	8 981	8 352	10 005 F	11005F	
			Total Romania		9 727	10 818	9 248	9 042	8 137	7 284	8 088	10 312	12 532	13 131	8 981	8 352	10 005 F	11005F	
Serbia	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes															
			Salmons, trouts, smelts	Salmons, trouts, smelts	0 .	0 .	0 .	0 .	0 .	0 .	539	579	932	880	873	796	809	856	
			Diadromous fishes	Diadromous fishes	0 .	0 .	0 .	0 .	0 .	0 .	539	579	932	880	873	796	809	856	
		Freshwater	Freshwater fishes	Freshwater fishes															
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	0 .	0 .	0 .	0 .	0 .	0 .	4 296	5 886	6 132	6 401	7 146	6 647	6 676	4973	
			Freshwater fishes	Freshwater fishes	0 .	0 .	0 .	0 .	0 .	0 .	4 296	6 030	6 603	6 560	7 282	6 833	6 853	5080	
					Sub-total Freshwater		0 .	0 .	0 .	0 .	0 .	4 835	6 609	7 534	7 440	8 155	7 629	7 662	5936
			Sub-total Inland waters		0 .	0 .	0 .	0 .	0 .	4 835	6 609	7 534	7 440	8 155	7 629	7 662	5936		
			Total Serbia		0 .	0 .	0 .	0 .	0 .	4 835	6 609	7 534	7 440	8 155	7 629	7 662	5936		
Serbia and Montenegro	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes															
			River eels	River eels	0 .	0 .	0 .	0 .	7	7 F	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	
			Salmons, trouts, smelts	Salmons, trouts, smelts	870	848	876	587	597	735	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	
			Diadromous fishes	Diadromous fishes	870	848	876	587	604	742	0 -	0 -	0 -	0 -	0 -	0 -	0 -		
		Freshwater	Freshwater fishes	Freshwater fishes															
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	2 836	2 679	2 444	2 599	4 001	3 801 F	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0 -	
			Freshwater fishes	Freshwater fishes	2 836	2 679	2 444	2 599	4 001	3 801 F	0 -	0 -	0 -	0 -	0 -	0 -	0 -		
				Sub-total Freshwater		3 706	3 527	3 320	3 186	4 605	4 543 F	0 -	0 -	0 -	0 -	0 -	0 -		
				Sub-total Inland waters		3 706	3 527	3 320	3 186	4 605	4 543 F	0 -	0 -	0 -	0 -	0 -	0 -		
	Marine areas	Brackishwater	Diadromous fishes	Diadromous fishes															
River eels			River eels	5	7	4	6	9	9 F	0 -	0 -	0 -	0 -	0 -	0 -	0 -			
Diadromous fishes			Diadromous fishes	5	7	4	6	9	9 F	0 -	0 -	0 -	0 -	0 -	0 -				
Sub-total Brackishwater			5	7	4	6	9	9 F	0 -	0 -	0 -	0 -	0 -	0 -					
			Sub-total Marine areas		5	7	4	6	9	9 F	0 -	0 -	0 -	0 -	0 -	0 -			

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		Total Serbia and Montenegro		3 711	3 534	3 324	3 192	4 614	4 552 F	0 -	0 -	0 -	0 -	0 -	0 -	0 -		
Slovakia	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	767	700	639	685	821	761	788	894	769	640	554	585	773	774
			Diadromous fishes	Diadromous fishes	767	700	639	685	821	761	788	894	769	640	554	585	773	774
		Freshwater	Freshwater fishes	Freshwater fishes														
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	120	298	186	178	354	187	472	299	298	180	132	214	500	298
			Freshwater fishes	Freshwater fishes	120	299	190	196	359	194	475	305	302	183	133	229	513	311
	Sub-total Freshwater				887	999	829	881	1 180	955	1 263	1 199	1 071	823	687	814	1 286	1085
Sub-total Inland waters				887	999	829	881	1 180	955	1 263	1 199	1 071	823	687	814	1 286	1085	
Total Slovakia				887	999	829	881	1 180	955	1 263	1 199	1 071	823	687	814	1 286	1085	
Slovenia	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			Salmons, trouts, smelts	Salmons, trouts, smelts	879	870	920	895	1 028	851	903	823	863	725	485	682	634	692
			Diadromous fishes	Diadromous fishes	879	870	920	897	1 028	851	903	823	863	725	485	682	634	692
		Freshwater	Freshwater fishes	Freshwater fishes														
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	178	233	243	247	268	263	265	205	176	196	172	220	156	155
			Freshwater fishes	Freshwater fishes	185	238	249	250	270	267	273	213	178	205	174	220	156	155
	Sub-total Freshwater				1 064	1 108	1 169	1 147	1 298	1 118	1 176	1 036	1 041	930	659	902	790	847
	Sub-total Inland waters				1 064	1 108	1 169	1 147	1 298	1 118	1 176	1 036	1 041	930	659	902	790	847
	Marine areas	Marine	Marine fishes	Marine fishes														
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	73	66	37	71	109	27	30	15	50	65	42	56	52	50F
Marine fishes			Marine fishes	73	66	37	71	109	27	30	15	50	65	42	56	52	50F	
Sub-total Marine				73	66	37	71	109	27	30	15	50	65	42	56	52	50F	
Sub-total Marine areas				73	66	37	71	109	27	30	15	50	65	42	56	52	50F	
Total Slovenia				1 137	1 174	1 206	1 218	1 407	1 145	1 206	1 051	1 091	995	701	958	842	897	
	Brackishwater	Marine fishes	Marine fishes															
		Miscellaneous coastal fishes	Miscellaneous coastal fishes	0 .	0 .	5	10	0 .	0 .	0 -	0 -	0 -	0 -	0 -	0 -	0 -	0	
		Marine fishes	Marine fishes	0 .	0 .	10	17	6	9	7	5	0 -	0 -	0 -	0 -	0 -	0	
	Sub-total Brackishwater				0 .	0 .	10	17	6	9	7	5	0 -	0 -	0 -	0 -	0	
	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes														
			River eels	River eels	109	80	390	306	380	385	382	461	520	475	412	427	373	305
			Salmons, trouts, smelts	Salmons, trouts, smelts	33 133	35 384	34 090	33 945	29 548	26 132	25 394	25 354	21 475	18 430	17 382	16 562	16 307	15869
		Diadromous fishes	Diadromous fishes	33 382	35 604	34 750	34 452	29 987	26 525	25 898	25 909	22 249	18 940	17 886	17 056	16 770	16267	
		Freshwater	Freshwater fishes	Freshwater fishes														
			Carps, barbels and other cyprinids	Carps, barbels and other cyprinids	162	13	83	63	112	85	65	46	32	20	43	59	4	23
	Tilapias and other cichlids		Tilapias and other cichlids	0 .	0 .	36	57	3	1	0 -	0 -	0 -	0 -	0 -	0 -	0 -	9	

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Spain	Freshwater	Freshwater fishes	Freshwater fishes	162	13	119	123	119	86	65	46	32	20	43	59	4	32		
		Marine fishes	Marine fishes																
		Miscellaneous coastal fishes	Miscellaneous coastal fishes	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
		Marine fishes	Marine fishes	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sub-total Freshwater			33 544	35 617	34 874	34 575	30 106	26 611	25 963	25 955	22 281	18 959	17 929	17 115	16 775		16299	
	Sub-total Inland waters			33 544	35 617	34 884	34 592	30 112	26 620	25 970	25 960	22 281	18 959	17 929	17 115	16 775		16299	
	Marine areas	Brackishwater	Diadromous fishes	Diadromous fishes															
			River eels	River eels	0	0	21	23	28	39	19	16	14	12	8	6	0	0	
			Diadromous fishes	Diadromous fishes	0	0	21	23	28	39	19	16	14	12	8	6	0	0	
		Brackishwater	Marine fishes	Marine fishes															
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	0	0	586	836	945	743	1 200	1 629	1 430	1 933	2 213	1 854	1 773		1225
			Marine fishes	Marine fishes	0	0	586	836	945	743	1 200	1 629	1 430	1 938	2 218	1 856	1 775		1227
		Sub-total Brackishwater			0	0	607	859	973	782	1 219	1 645	1 444	1 950	2 226	1 862	1 775		1227
		Marine	Diadromous fishes	Diadromous fishes															
			River eels	River eels	302	259	13	10	16	3	2	2	0	2	2	1	1		0
			Salmons, trouts, smelts	Salmons, trouts, smelts	226	323	270	15	142	0	150	0	0	139	81	0	4		0
			Diadromous fishes	Diadromous fishes	528	582	283	25	158	3	152	2	0	141	83	1	5		0
Freshwater fishes			Freshwater fishes	0	0	0	0	0	0	0	0	0	3	2	2	0		0	
Marine		Marine fishes	Marine fishes																
	Marine fishes not identified	Marine fishes not identified	0	0	0	2	2	0	0	0	0	0	0	0	0		1		
	Miscellaneous coastal fishes	Miscellaneous coastal fishes	10 192	11 804	14 268	16 982	19 189	20 975	23 895	28 452	32 038	35 606	31 832	32 220	30 271		33491		
Sub-total Marine			14 851	16 955	19 448	21 703	25 074	27 247	31 022	36 201	40 676	43 479	39 328	40 286	38 683		41135		
Sub-total Marine areas			14 851	16 955	20 055	22 562	26 047	28 029	32 241	37 846	42 120	45 429	41 555	42 148	40 458		42362		
Total Spain			48 395	52 572	54 939	57 154	56 159	54 649	58 211	63 806	64 401	64 388	59 484	59 263	57 233		58661		
Sweden	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes															
			River eels	River eels	273	200	167	170	158	222	191	175	172	0	0	90	93		
			Salmons, trouts, smelts	Salmons, trouts, smelts	2 532	3 191	2 457	3 355	3 074	3 108	4 059	2 539	3 844	3 982	6 883	8 625	9 303		
		Diadromous fishes	Diadromous fishes	2 805	3 391	2 624	3 525	3 232	3 330	4 250	2 714	4 016	3 982	6 883	8 715	9 396			
	Freshwater	Freshwater fishes	Freshwater fishes																
		Freshwater fishes	Freshwater fishes	0	0	0	0	0	0	0	0	0	0	95	0	0		0	
	Sub-total Freshwater			2 805	3 391	2 624	3 525	3 232	3 330	4 250	2 714	4 016	3 982	6 978	8 715	9 396		8541	
	Sub-total Inland waters			2 805	3 391	2 624	3 525	3 232	3 330	4 250	2 714	4 016	3 982	6 978	8 715	9 396		8541	
	Marine areas	Marine	Diadromous fishes	Diadromous fishes															
			Salmons, trouts, smelts	Salmons, trouts, smelts	1 579	1 932	1 606	1 060	1 316	1 475	1 503	1 480	1 668	2 431	2 283	3 255	3 051		3122
Diadromous fishes			Diadromous fishes	1 579	1 932	1 606	1 060	1 316	1 475	1 503	1 480	1 668	2 431	2 283	3 255	3 051		3122	
Sub-total Marine			1 579	1 932	1 606	1 060	1 316	1 475	1 503	1 480	1 668	2 431	2 283	3 255	3 051		3122		
Sub-total Marine areas			1 579	1 932	1 606	1 060	1 316	1 475	1 503	1 480	1 668	2 431	2 283	3 255	3 051		3122		
Total Sweden			4 384	5 323	4 230	4 585	4 548	4 805	5 753	4 194	5 684	6 413	9 261	11 970	12 447		11663		

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Switzerland	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes															
			Salmons, trouts, smelts	Salmons, trouts, smelts	1 065	1 100	1 100	1 100	1 150	1 154	1 154	1 157	1 157	1 187	1 146	1 146	1 146	1146	
			Diadromous fishes	Diadromous fishes	1 065	1 100	1 100	1 100	1 150	1 154	1 154	1 159	1 159	1 192	1 151	1 156	1 161	1168	
		Freshwater	Freshwater fishes	Freshwater fishes															
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	35	35	35	0 0	0 0	0 0	0 0	0 0	0 0	0 -	0 -	0 -	0 -	0	
			Tilapias and other cichlids	Tilapias and other cichlids	0 .	0 .	0 .	0 .	55	57	57	57	57	57	60	60	60	60	
	Freshwater fishes	Freshwater fishes	35	35	35	0 0	55	60	60	57	57	57	110	110	110	225			
	Sub-total Freshwater					1 100	1 135	1 135	1 100	1 205	1 214	1 214	1 216	1 216	1 249	1 261	1 266	1 271	1393
	Sub-total Inland waters					1 100	1 135	1 135	1 100	1 205	1 214	1 214	1 216	1 216	1 249	1 261	1 266	1 271	1393
	Total Switzerland					1 100	1 135	1 135	1 100	1 205	1 214	1 214	1 216	1 216	1 249	1 261	1 266	1 271	1393
United Kingdom	Inland waters	Freshwater	Diadromous fishes	Diadromous fishes															
			Salmons, trouts, smelts	Salmons, trouts, smelts	10 198	12 690	13 399	14 223 F	14 241	11 473	10 912	13 278	10 540	10 617 F	12 575	11 060	11 066 F	11060F	
			Diadromous fishes	Diadromous fishes	10 198	12 690	13 399	14 223 F	14 241	11 473	10 957	13 323	10 540	10 617 F	12 575	11 060	11 066 F	11060F	
		Freshwater	Freshwater fishes	Freshwater fishes															
			Carp, barbels and other cyprinids	Carp, barbels and other cyprinids	0 .	0 .	0 .	95	141	0 .	1	185	2	3	8	7	10 F	10F	
			Tilapias and other cichlids	Tilapias and other cichlids	0 .	0 .	0 .	0 .	0 .	0 .	13	17	16	16 F	135	186	200 F	200 F	
	Freshwater fishes	Freshwater fishes	0 -	0 -	0 -	98	143	0 -	14	209	23	24 F	146	193	210 F	210 F			
	Sub-total Freshwater					10 198	12 690	13 399	14 321 F	14 384	11 473	10 971	13 532	10 563	10 641 F	12 721	11 253	11 276 F	11270F
	Sub-total Inland waters					10 198	12 690	13 399	14 321 F	14 384	11 473	10 971	13 532	10 563	10 641 F	12 721	11 253	11 276 F	11270F
	Marine areas	Marine	Diadromous fishes	Diadromous fishes															
			Salmons, trouts, smelts	Salmons, trouts, smelts	129 785	139 092	146 698	146 698 F	159 879	131 140	134 521	132 528	131 683	136 204	156 237	159 338	163 720 F	155320F	
			Diadromous fishes	Diadromous fishes	129 785	139 092	146 698	146 698 F	159 879	131 140	134 521	132 528	131 683	136 204	156 237	159 338	163 720 F	155320F	
		Marine	Marine fishes	Marine fishes															
			Miscellaneous coastal fishes	Miscellaneous coastal fishes	0 .	0 .	0 .	12	12	0 .	0 -	0 -	23	0 .	473	490	800 F	800F	
Marine fishes			Marine fishes	108	215	232	327 F	440	399	842	1 320	2 071	189	613	573	900 F	900F		
Sub-total Marine					129 893	139 307	146 930	147 025 F	160 319	131 539	135 363	133 848	133 754	136 393	156 850	159 911	164 620 F	156220F	
Sub-total Marine areas					129 893	139 307	146 930	147 025 F	160 319	131 539	135 363	133 848	133 754	136 393	156 850	159 911	164 620 F	156220F	
Total United Kingdom					140 091	151 997	160 329	161 346 F	174 703	143 012	146 334	147 380	144 317	147 035	169 571	171 164	175 896 F	167490F	