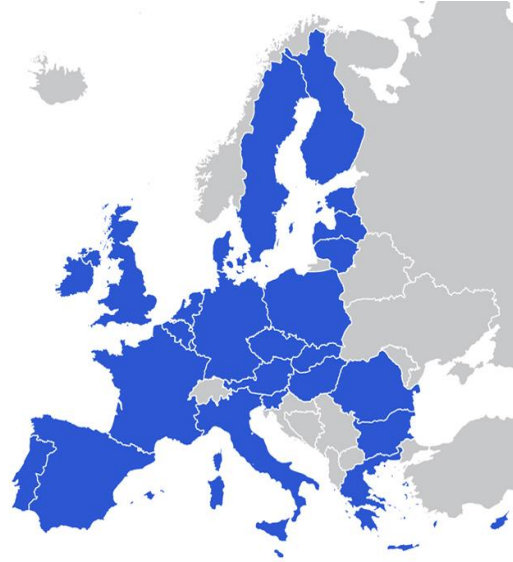
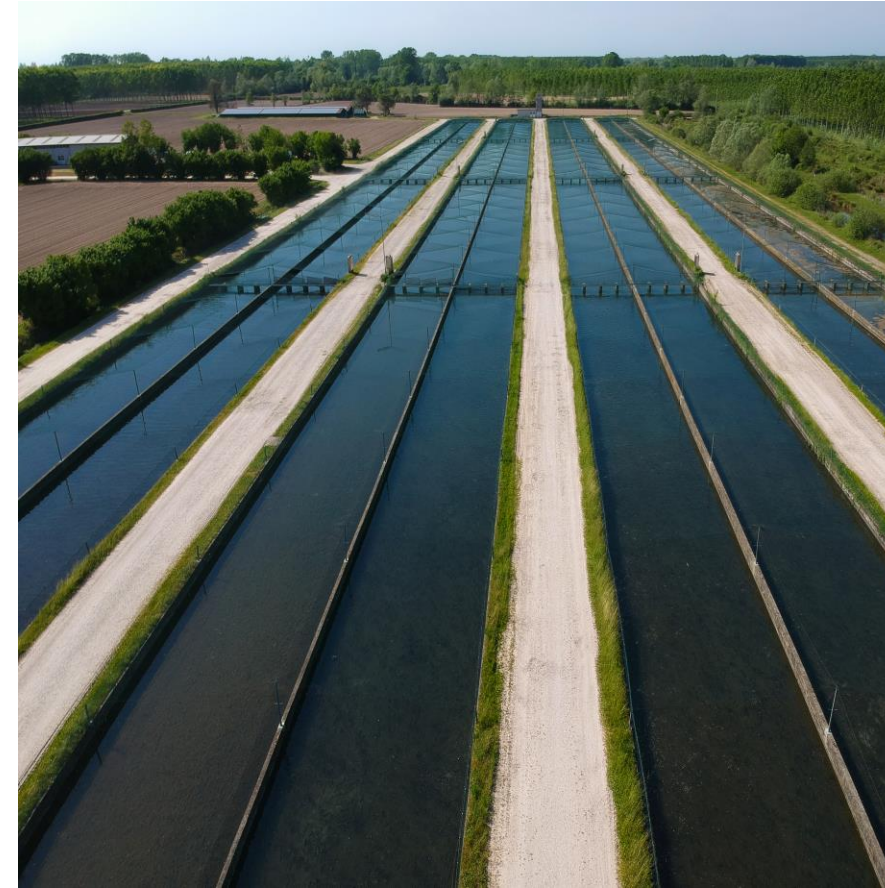


Meeting of the sub-group on animal welfare at the time of killing

Trout



Andrea Fabris



Meeting of the sub-group on animal welfare at the time of killing

Trout Production



Rainbow Trout (large)
Oncorhynchus mykiss



Production (Tons)	Year						
	2014	2015	2016	2017	2018	2019	2020
Norway	74,769	79,557	80,694	61,418	66,337	78,320	90,000
Finland	12,448	12,500	13,127	12,314	12,835	13,116	12,358
France	12,000	12,766	13,000	13,064	14,295	14,500	17,655
Denmark	11,115	11,115	13,500	13,500	11,599	9,188	9,188
Sweden	6,951	7,048	9,123	8,504	8,504	9,000	9,000
Turkey	4,812	5,450	5,000	7,000	11,000	8,000	7,500
United Kingdom	4,000	4,500	5,500	3,500	4,000	5,800	5,800
Spain	2,600	2,678	3,900	5,025	5,185	5,250	7,500
Italy	2,000	1,000	2,500	1,800	2,500	4,000	2,100
Germany	1,471	1,506	1,506	1,506	1,537	1,627	1,627
Iceland	603	728	4,000	4,628	295	299	490
Ireland	400	500	500	500	557	500	600
Poland	-	-	-	-	-	8,400	12,000
Switzerland	-	-	-	-	-	340	340
Grand total	133,169	139,348	152,350	132,759	138,644	158,340	176,158

Meeting of the sub-group on animal welfare at the time of killing

Trout Production



Rainbow Trout (portion)
Oncorhynchus mykiss



Production (Tons)	Year						
	2014	2015	2016	2017	2018	2019	2020
Turkey	107,533	101,550	100,300	100,500	110,000	95,000	95,000
Italy	36,800	37,000	33,800	33,300	35,000	32,800	32,700
Denmark	26,925	26,925	21,022	19,404	25,086	25,086	25,086
France	22,000	23,947	24,200	24,506	26,814	26,000	21,945
Poland	17,500	19,000	18,000	19,000	20,500	15,600	14,725
Spain	13,000	13,260	13,260	12,922	13,671	13,680	11,900
United Kingdom	11,000	10,500	11,500	11,000	11,000	7,750	7,750
Germany	8,466	7,642	7,642	7,642	6,315	6,315	6,315
Greece	1,611	1,611	1,611	1,611	1,000	-	-
Austria	1,277	1,277	1,277	1,277	1,277	1,277	1,277
Ireland	1,000	500	500	500	500	-	-
Portugal	788	890	676	665	655	939	660
Czech Republic	426	368	367	509	784	649	699
Croatia	378	679	467	395	370	300	300
Belgium	150	150	150	150	150	150	200
Hungary	61	42	67	54	99	76	76
Switzerland	-	-	-	-	1,213	1,224	1,219
Netherlands	-	-	-	-	40	-	40
Grand total	248,915	245,341	234,839	233,435	254,474	235,835	228,881

Meeting of the sub-group on animal welfare at the time of killing

Trout Farming

- **Different farming systems:**

- flow through raceways / tanks;
- cages (fresh water & open sea)
- RAS

- **Very different business size and applied technologies:**

- 75% micro and small enterprises
- wide variety of markets
- high degree of transformation of the product
- three types of size (white, pink trout & large trout)

Meeting of the sub-group on animal welfare at the time of killing

Trout stunning & killing

Main stunning systems applied:

- Electro stunning
- Knocking
- ice-slurry (small scale/ in the past)
- CO₂ (in the past)

Stunning and slaughtering can take place on-farm or in specialized slaughterhouses with very variable sizes



Questions?

Thank you!

