

DTU



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Surveillance and diagnostics of crustacean diseases in Europe 2020



Disease situation in EU for crustaceans

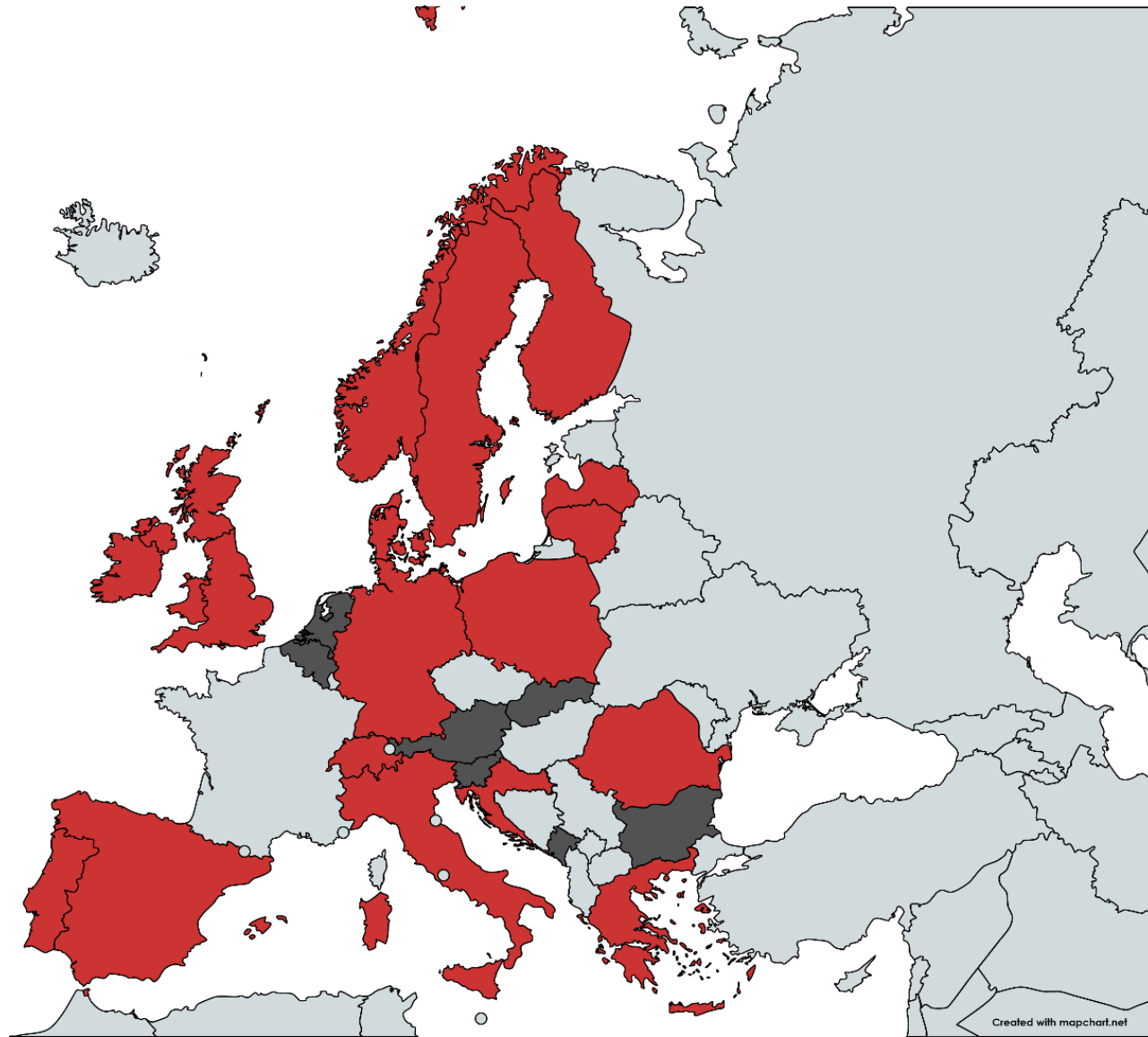
All NRLs were asked to answer the following questions for their country:

- 1) Report the number of farms belonging to each health status category listed in council directive 2006/88.
- 2) Report any outbreaks in the country of EU listed crustacean diseases, as well as health problems related to other crustacean diseases.
- 3) Report the number of samples tested for OIE listed crustacean diseases and how many of these gave a positive result.
- 4) Describe the current status of crustacean aquaculture in the country, as well as the strategy used for surveillance of crustacean diseases.

Thanks to all NRLs that answered the survey!

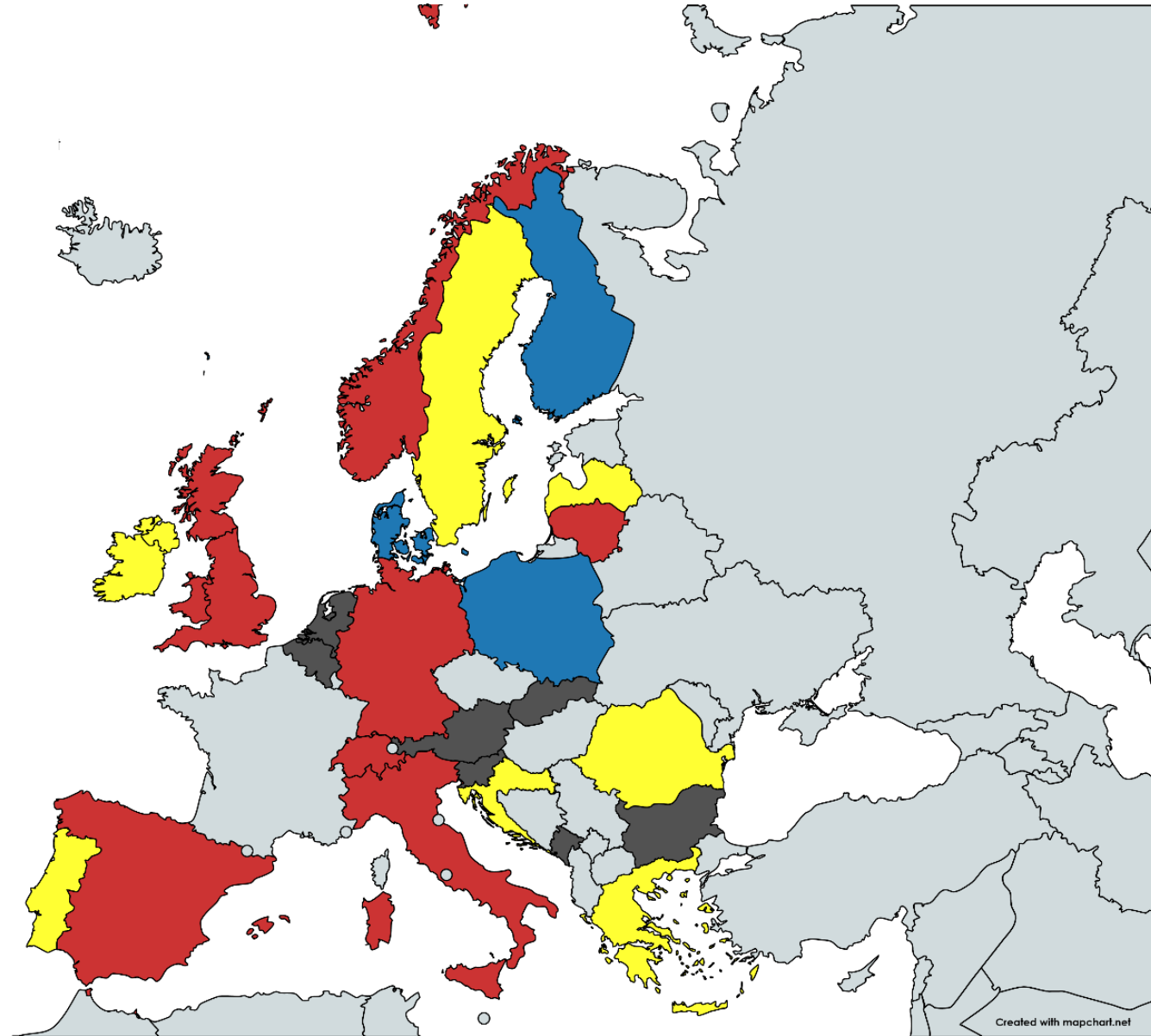
19 countries have currently answered

-  Answered
-  Answer pending



8 countries with shrimp farms

- Shrimp farms
- Only crayfish farms
- No crustacean farms/data not available
- Answer pending



Crustacean farms in Europe

(Some farms may not currently be active, many lobster and crayfish farms produce animals for restocking of wild populations)

Country	Shrimp		Crayfish		Lobsters	
	2020	2019	2020	2019	2020	2019
Spain	9*	30 - 36		4		
Germany	11?	8	<42	33	1	4
Switzerland	3	3				
Italy	8	11	15	23	1	
UK - England/Wales	4	2			3	2
Lithuania	2	2	1			
UK – Scotland	1	1				≥1
Norway	1		1		1	
Poland			10	10		
Finland			5	5 – 28		
Denmark			≥3	≥3		

*Spain: in 2020 only active farms are included

Countries with surveillance and diagnostics in 2020

Country	Diagnostics	Positive tests
Finland	Aphanomyces	Aphanomyces (wild)
Germany	WSSV Aphanomyces	Aphanomyces (wild) Vibrio
Ireland	WSSV Aphanomyces	Aphanomyces (wild)
Italy	WSSV Aphanomyces	Aphanomyces (wild)
Norway	Aphanomyces	Aphanomyces (wild)
Spain	WSSV	
Switzerland	Aphanomyces	Aphanomyces (wild) <i>Branchiobdella astaci</i> <i>Telohania contejani</i>
UK - England	WSSV Aphanomyces IHHNV	Aphanomyces (wild) IHHNV (recurrent)

Euroshrimp network

Shrimp production in land-based aquaculture systems in Europe (not pond farms)

24 farms

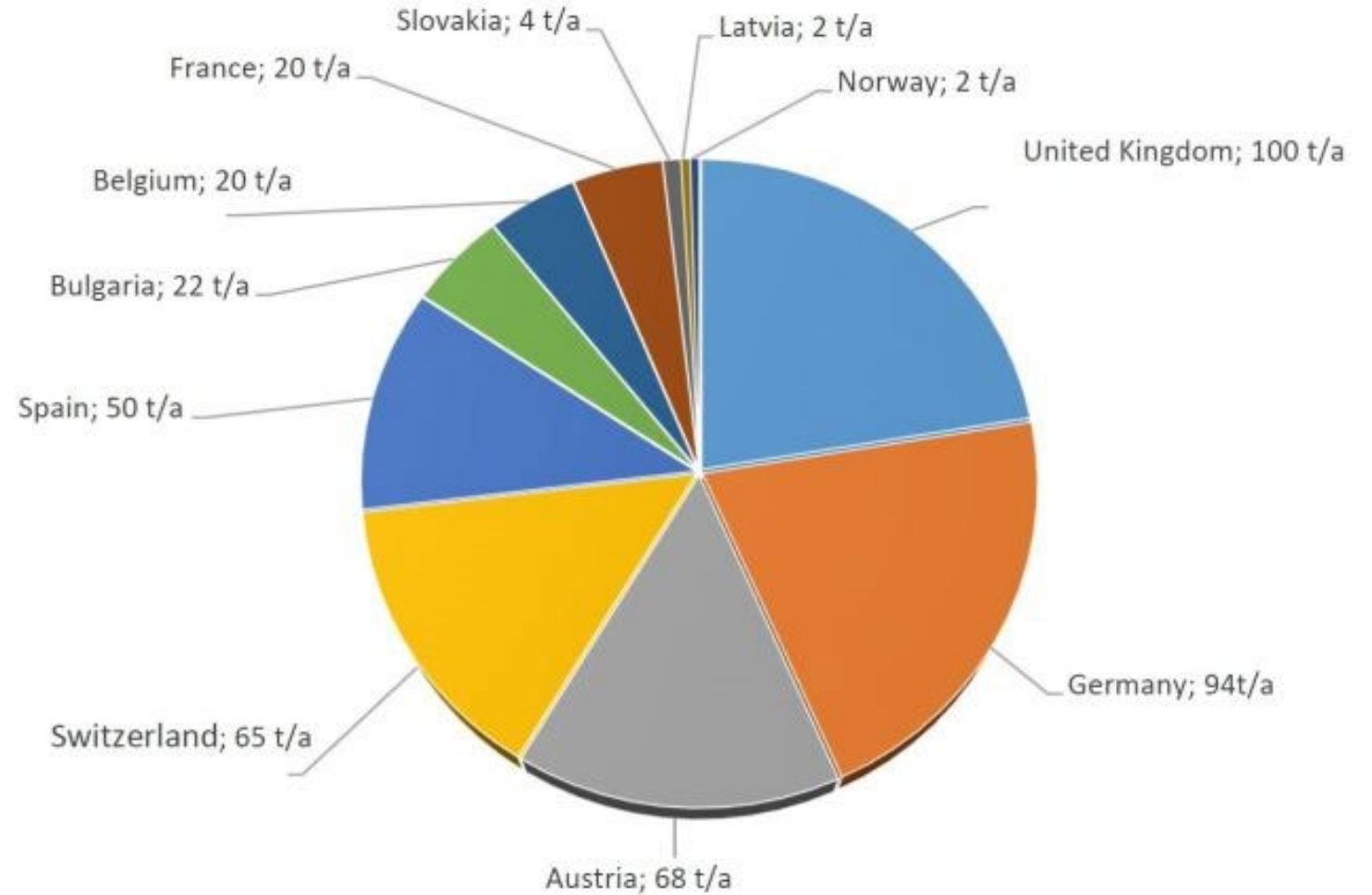
In 13 countries

447 tons shrimp per year

White Tiger Shrimp (*L. vannamei*)

Blue Shrimp (*L. stylirostris*)

Kuruma Shrimp (*M. japonicus*)



Conclusions

- Production of farmed crustaceans in Europe is still very low
- Number of shrimp farms slowly increasing
- No crustacean farms in regular surveillance programs for WSSV
- Apart from crayfish plague, disease incidents are very low

Questions or comments?