

DTU



Morten Schiøtt

Surveillance and diagnostics of crustacean diseases in Europe 2022

Disease situation in EU for crustaceans

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

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2020/689

Approved disease free

Eradication/control program

Farm under surveillance but not in eradication program

Not approved disease free and not under eradication/control program

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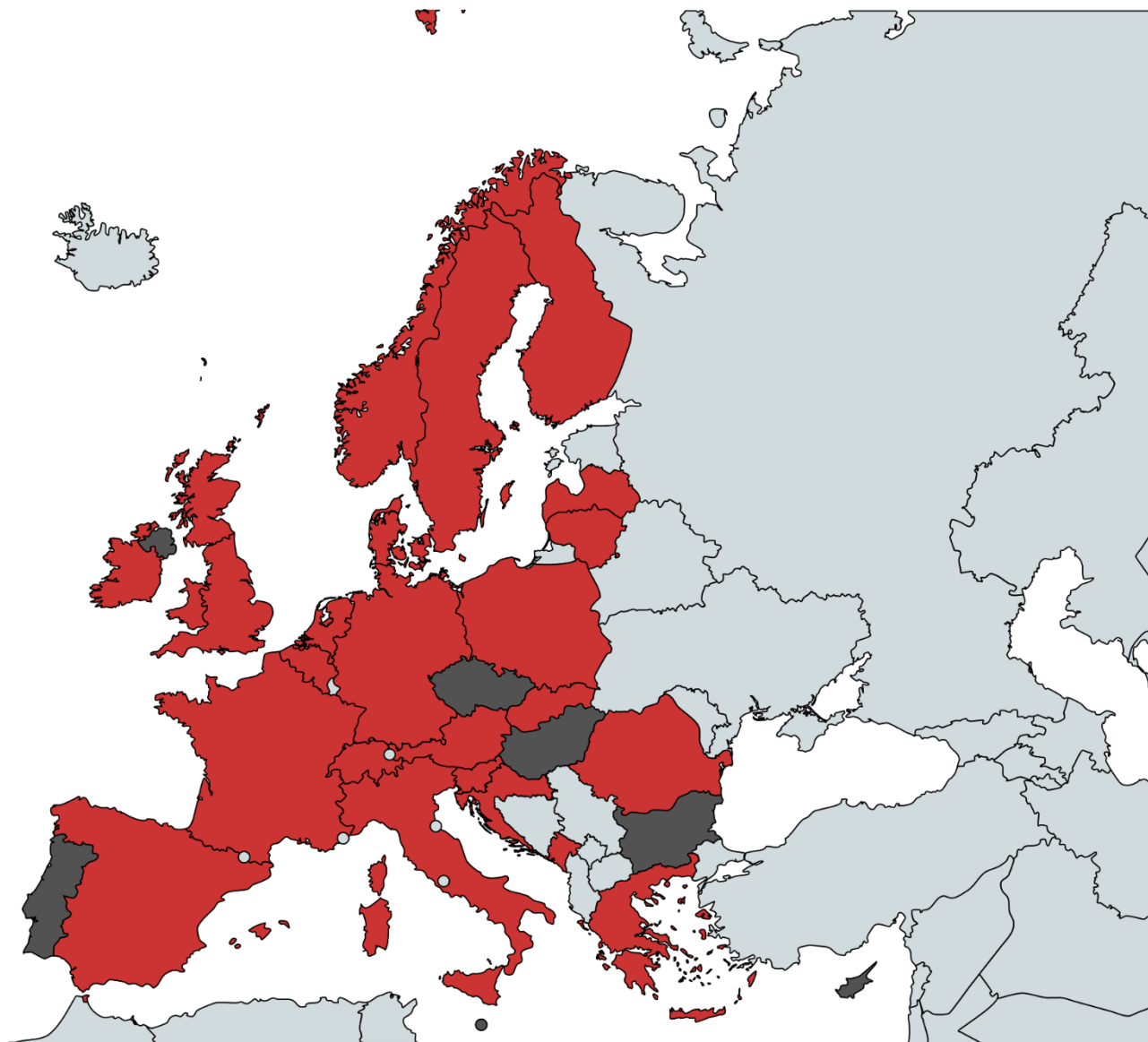
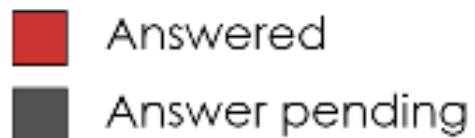
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- 3) Report the number of samples tested for OIE listed crustacean diseases and how many of these gave a positive result.
- 4) Describe the current status of crustacean aquaculture in the country, as well as the strategy used for surveillance of crustacean diseases.

Thanks to all NRLs that answered the survey!

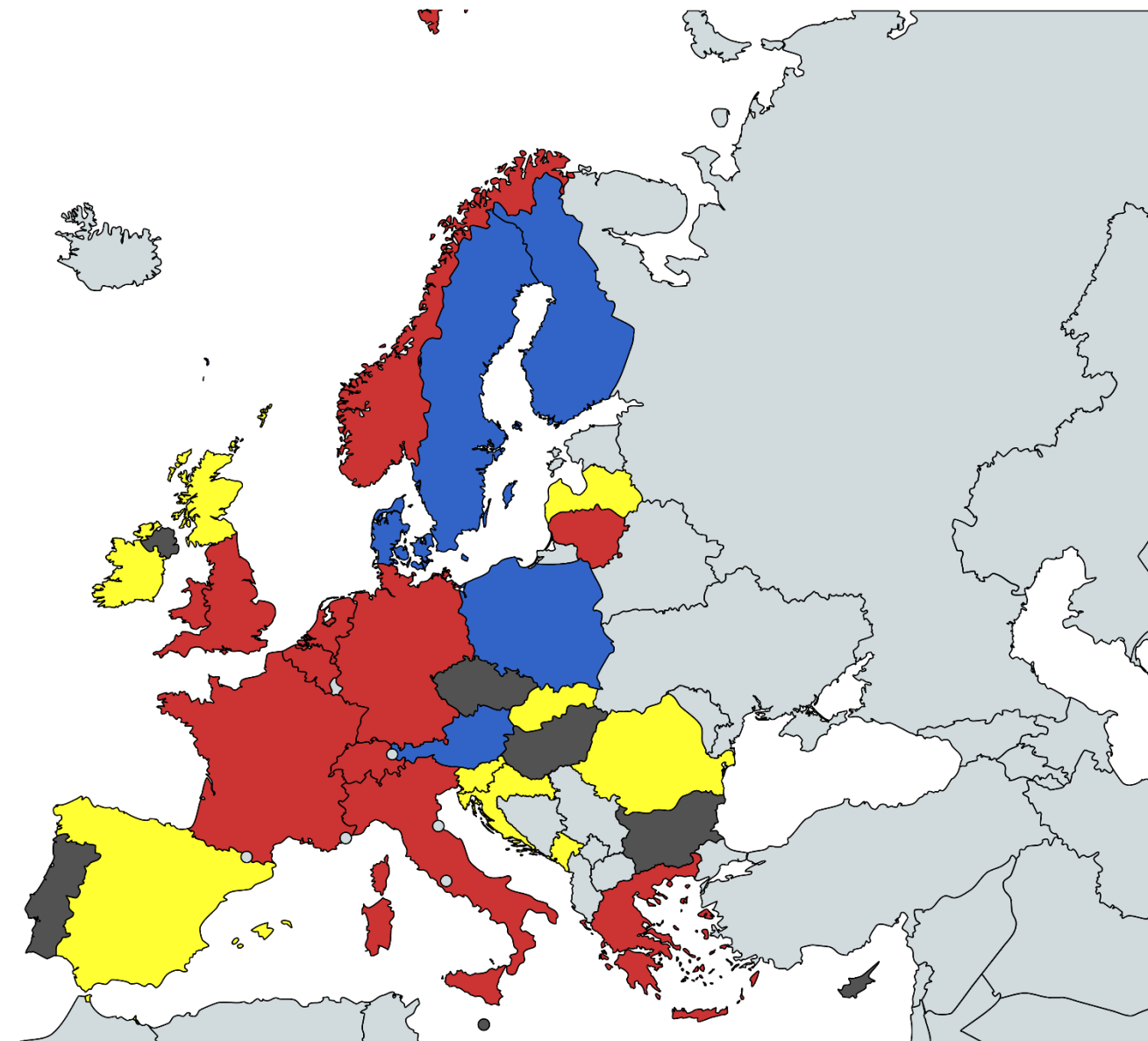
24 countries have currently answered



Created with mapchart.net

10 countries with shrimp farms

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



Created with mapchart.net

Crustacean farms in Europe

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

*from 2020 only active farms are included; **2021 data from some regions pending; ***data from many regions pending

Country	Shrimp				Crayfish				Lobsters			
	2022	2021	2020	2019	2022	2021	2020	2019	2022	2021	2020	2019
Spain	0***	1**	9*	30-36	0***	2		4	0***			
Germany	8	6**	11?	8	40	38	<42	33	4	5	1	4
France	10	8										
Belgium	2	2	2		2	2	3					
Switzerland	4	4	3	3	1	1						
Italy	5	5	8	11	16	15	15	23	1	1	1	
UK - England/Wales	3	4	4	2	2	1			8	5	3	2
Lithuania	2	2	2	2	1	1	1					
Norway	2	2	1		2	2	1		1	1	1	
Netherlands	1	1	1	1								
Greece	1											
Poland					9	10	10	10				
Finland					8	5	5	5 – 28				
Denmark					≥3	≥3	≥3	≥3				
Sweden					≥11				2			
Austria					1							
UK – Scotland			1	1								≥1

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Countries with surveillance and diagnostics in 2022

Country	Diagnostics	Diagnostic Samples	Positive tests	Positive Samples
Austria	Aphanomyces	1	Aphanomyces	1
Croatia	Aphanomyces	3	Aphanomyces (wild)	3
Finland	Aphanomyces WSSV	21 3	Aphanomyces (wild)	6
Germany	WSSV TSV YHV Aphanomyces Vibriosis	7 6 6 87 ≥1	Aphanomyces (wild) Vibriosis	16 ≥1
Ireland	WSSV Aphanomyces	7 7		
Italy	WSSV Aphanomyces Thelohania contejeani/ Vairimorpha austropotamobii	1 1099 28	Aphanomyces Thelohania contejeani/ Vairimorpha austropotamobii	35 22
Montenegro	Aphanomyces	30		
Netherlands	WSSV	75		
Poland	WSSV Aphanomyces Hepatospora eriocheir	1 1 ≥1	Hepatospora eriocheir	≥1
Switzerland	Aphanomyces	24	Aphanomyces	3
Sweden	Aphanomyces WSSV Thelohania contejeani	90 71 90	Aphanomyces Thelohania contejeani	26 3
UK - England	Oomycete	≥1	Oomycete	≥1

Conclusions

- Production of farmed crustaceans in Europe is still very low
- Number of shrimp farms relatively stable
- One German and one Greek farm “Approved disease-free” all others in “Not approved disease free and not under eradication/control program”
- Apart from crayfish plague and various microsporidia, disease incidents are very low

Questions or comments?