

Use of SCN features: Yes  
Max learning objects: 200 objects/class  
Strategy N° 5

NL 2021 Selected Samples prediction using all regions training set,  
Learning with all classes present in the selected samples, no extra training categories,  
No Calanoida (ci-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix - In percent of Actual Value

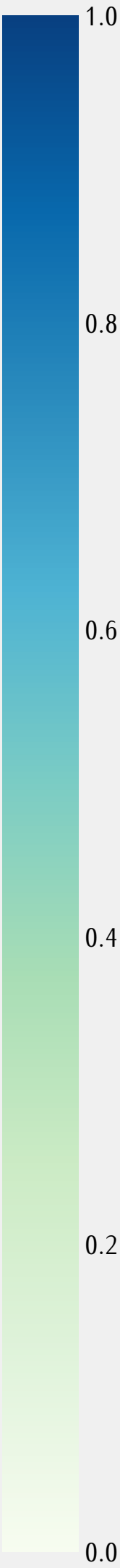
Classification Report Matrix  
max 200 learning objects per class

Actual Values

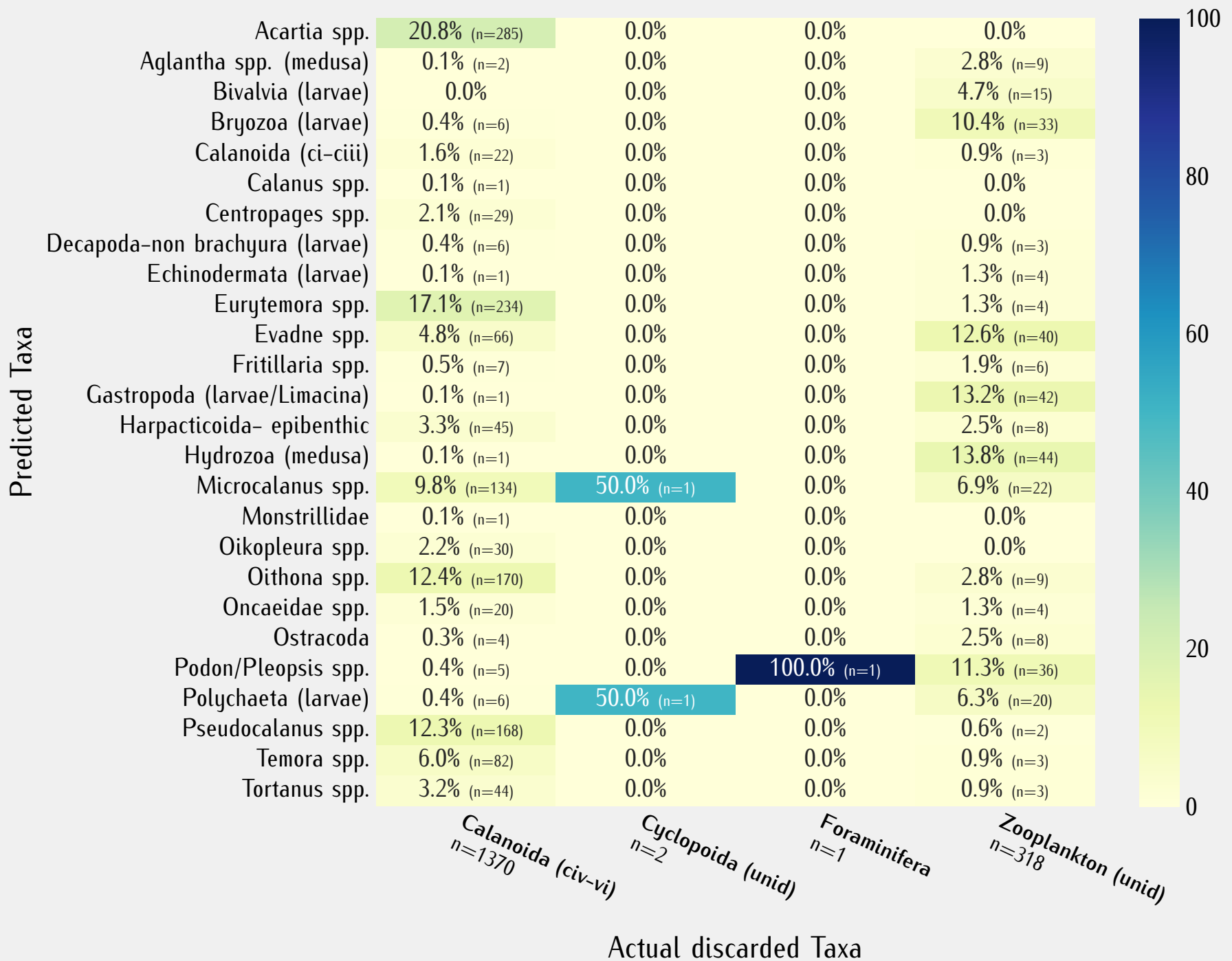
	Confusion Matrix - In percent of Actual Value																							
	precision	recall	f1-score																					
Acartia spp.	42%	<1%	4%	17%	2%			<1%	<1%	8%				3%		<1%	3%		<1%			7%	<1%	
Evadne spp.		78%	<1%	<1%	<1%	2%	4%	<1%			<1%	1%	11%	<1%		<1%	2%		<1%		<1%	<1%		<1%
Temora spp.	11%	2%	35%	11%	5%	<1%	<1%	1%		7%				1%		5%		<1%		17%	<1%	<1%	<1%	4%
Pseudocalanus spp.	19%		7%	44%	<1%			<1%		10%				1%		5%		<1%	<1%	10%	<1%			1%
Oithona spp.	13%	<1%	<1%	<1%	72%				<1%	1%	<1%			1%		<1%				4%		<1%		3%
Bryozoa (larvae)		20%				52%	2%	<1%			4%	<1%	8%	9%		<1%	<1%		<1%		<1%			
Podon/Pleopsis spp.		10%	13%	2%	<1%	<1%	5%		<1%	<1%		<1%	<1%	1%		32%		14%		6%	3%			<1%
Calanoida (ci-ciü)	11%	16%	5%	4%	6%	2%	5%	<1%		3%				5%		26%		2%	<1%	8%			2%	2%
Oikopleura spp.			2%	<1%	3%					37%		<1%				6%		37%		2%			2%	2%
Centropages spp.	6%		2%	1%						74%									1%			12%		3%
Echinodermata (larvae)	4%	2%			24%		2%		4%		14%					34%		2%				12%		2%
Gastropoda (larvae/Limacina)						2%					66%	11%		9%		6%		6%						
Hydrozoa (medusa)		2%	11%			6%					2%		23%		13%	9%		2%		19%			2%	2%
Harpacticoida- epibenthic	4%		6%	19%	2%								49%							15%		4%		
Bivalvia (larvae)					11%	2%					7%	11%		68%										
Fritillaria spp.	3%				15%				38%		6%				38%									
Microcalanus spp.		10%		3%			3%						3%		58%		3%		13%			6%		
Chaetognatha									11%							82%		4%			4%			
Polychaeta (larvae)	5%	15%			10%						10%				10%		15%		10%	5%		5%	10%	5%
Calanus spp.																93%					7%			
Eurytemora spp.				30%						40%			10%						10%			10%		
Aglantha spp. (medusa)																			89%					11%
Oncaeidae spp.	17%			33%									33%								17%			
Sarsia spp. (medusa)																			50%					50%
Ostracoda						100%																		
Tortanus spp.																		50%				50%		
Monstrillidae																							100%	
Decapoda-non brachyura (larvae)																								

Predicted Values

	Classification Report Matrix		
	precision	recall	f1-score
Acartia spp. (n=2490-train=200)	0.71	0.42	0.53
Evadne spp. (n=1931-train=200)	0.92	0.78	0.84
Temora spp. (n=1416-train=200)	0.70	0.35	0.47
Pseudocalanus spp. (n=1044-train=200)	0.43	0.44	0.44
Oithona spp. (n=345-train=200)	0.60	0.72	0.65
Bryozoa (larvae) (n=248-train=200)	0.73	0.52	0.61
Podon/Pleopsis spp. (n=230-train=200)	0.10	0.05	0.07
Calanoida (ci-ciü) (n=130-train=200)	0.03	0.01	0.01
Oikopleura spp. (n=115-train=200)	0.62	0.37	0.46
Centropages spp. (n=88-train=200)	0.13	0.74	0.22
Echinodermata (larvae) (n=50-train=200)	0.24	0.14	0.18
Gastropoda (larvae/Limacina) (n=47-train=200)	0.52	0.66	0.58
Hydrozoa (medusa) (n=47-train=200)	0.04	0.23	0.07
Harpacticoida- epibenthic (n=47-train=200)	0.12	0.49	0.20
Bivalvia (larvae) (n=44-train=200)	0.88	0.68	0.77
Fritillaria spp. (n=34-train=200)	0.25	0.38	0.30
Microcalanus spp. (n=31-train=80)	0.05	0.58	0.09
Chaetognatha (n=28-train=89)	0.35	0.82	0.49
Polychaeta (larvae) (n=20-train=200)	0.05	0.15	0.08
Calanus spp. (n=14-train=200)	0.59	0.93	0.72
Eurytemora spp. (n=10-train=200)	0.00	0.10	0.00
Aglantha spp. (medusa) (n=9-train=22)	0.24	0.89	0.38
Oncaeidae spp. (n=6-train=18)	0.05	0.17	0.08
Sarsia spp. (medusa) (n=4-train=4)	0.00	0.00	0.00
Ostracoda (n=2-train=25)	0.00	0.00	0.00
Tortanus spp. (n=2-train=200)	0.00	0.50	0.01
Monstrillidae (n=1-train=27)	0.11	1.00	0.20
Decapoda-non brachyura (larvae) (n=1-train=200)	0.00	0.00	0.00
macro avg	0.30	0.43	0.30
weighted avg	0.66	0.50	0.55
	precision	recall	f1-score



# Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

