

Use of SCN features: No
Max learning objects: 20000 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 20000 learning objects per class

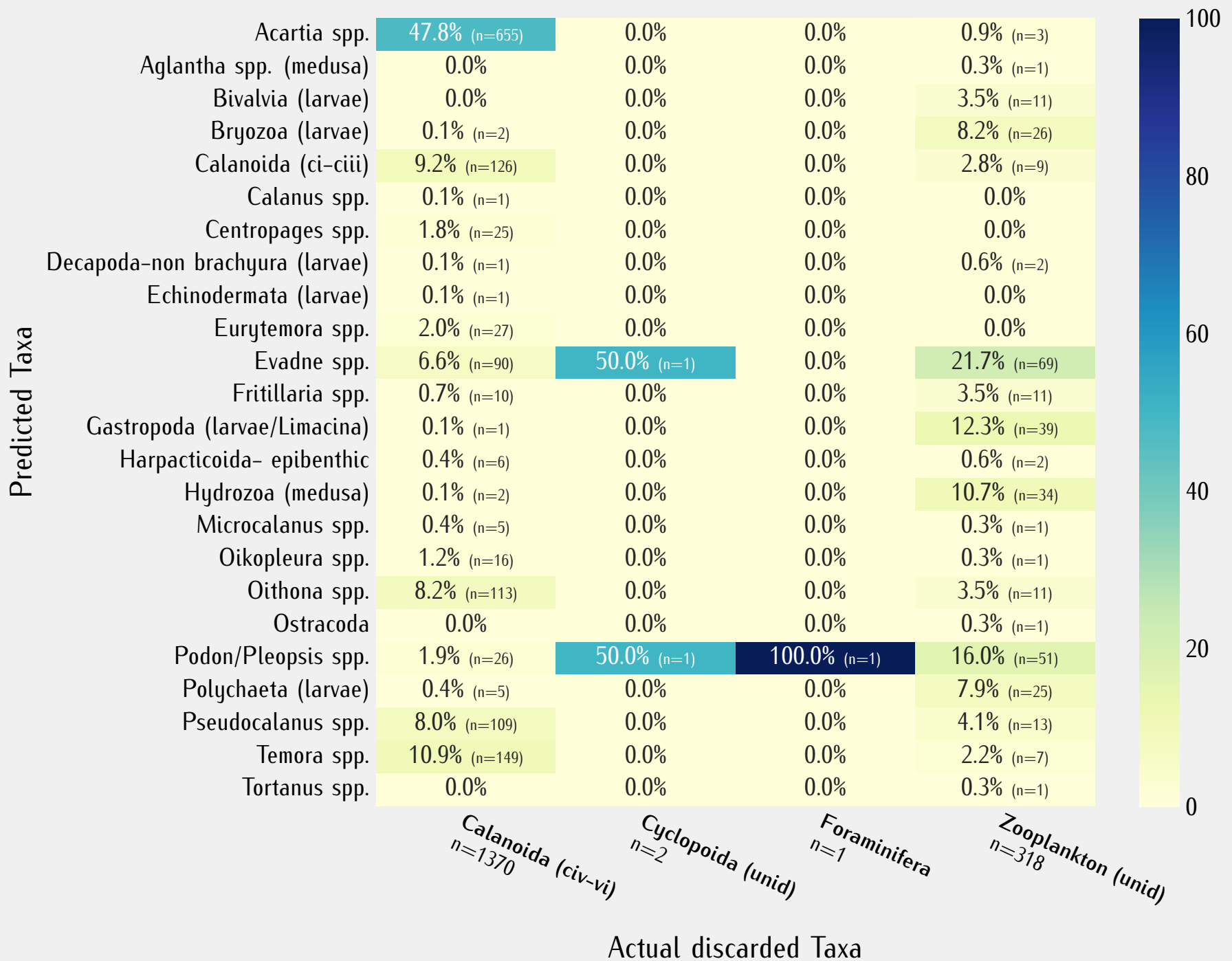
Actual Values

	Confusion Matrix - In percent of Actual Value																											
	precision	recall	f1-score																									
Acartia spp.	80%	<1%	7%	5%	1%			2%	<1%	3%				<1%		<1%	<1%		<1%									
Evadne spp.	<1%	89%	<1%	<1%	<1%	<1%	4%	<1%			<1%	2%	4%	<1%	<1%				<1%									<1%
Temora spp.	19%	2%	57%	7%	2%	<1%	<1%	6%		4%			<1%	<1%		<1%	<1%		2%									
Pseudocalanus spp.	28%		11%	50%				3%		5%				<1%					<1%	3%								<1%
Oithona spp.	14%	<1%	<1%		77%			2%	<1%	1%	<1%				3%					<1%								
Bryozoa (larvae)		25%	<1%		<1%	57%	2%	1%	<1%		2%		10%	<1%	<1%			<1%										
Podon/Pleopsis spp.	1%	13%	26%	2%		<1%	37%	3%	<1%	<1%			<1%					9%		2%								5%
Calanoida (ci-ciü)	18%	12%	16%	3%	4%		13%	22%		4%							4%		2%	<1%								<1%
Oikopleura spp.	<1%		3%	2%	<1%					76%		<1%				9%		2%										6%
Centropages spp.	10%		3%	1%							78%								1%						5%			1%
Echinodermata (larvae)	4%				14%		2%	2%	6%			16%		4%			48%		2%									2%
Gastropoda (larvae/Limacina)		2%					6%						60%	4%		13%			15%									
Hydrozoa (medusa)		2%				6%	6%					2%		47%		17%			6%	2%		6%						4%
Harpacticoida- epibenthic	40%	4%	2%	2%	2%			9%						34%							6%							
Bivalvia (larvae)						7%	9%					5%	2%			73%			5%									
Fritillaria spp.					9%				32%							59%												
Microcalanus spp.	10%	10%	13%	10%			19%	19%								13%			6%									
Chaetognatha									25%								68%	4%	4%									
Polychaeta (larvae)	5%	10%	5%	5%			5%					10%		5%			50%											5%
Calanus spp.				7%						7%								86%										
Eurytemora spp.	40%		10%	20%						20%									10%									
Aglantha spp. (medusa)								11%					22%							56%		11%						
Oncaeidae spp.	50%												50%															
Sarsia spp. (medusa)											50%			25%					25%									
Ostracoda						100%																						
Tortanus spp.	50%																								50%			
Monstrillidae										100%																		
Decapoda-non brachyura (larvae)																			100%									

Predicted Values

	Classification Report Matrix max 20000 learning objects per class			
	precision	recall	f1-score	
Acartia spp. (n=2490-train=20000)	0.75	0.80	0.77	<div></div>
Evadne spp. (n=1931-train=11064)	0.91	0.89	0.90	
Temora spp. (n=1416-train=7347)	0.68	0.57	0.62	
Pseudocalanus spp. (n=1044-train=4845)	0.68	0.50	0.57	
Oithona spp. (n=345-train=5881)	0.77	0.77	0.77	
Bryozoa (larvae) (n=248-train=1142)	0.90	0.57	0.70	
Podon/Pleopsis spp. (n=230-train=7347)	0.41	0.37	0.39	
Calanoida (ci-cüü)	0.13	0.22	0.16	
Oikopleura spp. (n=115-train=5305)	0.74	0.76	0.75	
Centropages spp. (n=88-train=3620)	0.25	0.78	0.38	
Echinodermata (larvae) (n=50-train=3043)	0.42	0.16	0.23	
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.42	0.60	0.49	
Hydrozoa (medusa) (n=47-train=4052)	0.17	0.47	0.25	
Harpacticoida- epibenthic (n=47-train=555)	0.59	0.34	0.43	
Bivalvia (larvae) (n=44-train=3764)	0.80	0.73	0.76	
Fritillaria spp. (n=34-train=6992)	0.22	0.59	0.33	
Microcalanus spp. (n=31-train=80)	0.33	0.13	0.19	
Chaetognatha (n=28-train=89)	0.90	0.68	0.78	
Polychaeta (larvae) (n=20-train=1577)	0.19	0.50	0.27	
Calanus spp. (n=14-train=359)	0.63	0.86	0.73	
Eurytemora spp. (n=10-train=1818)	0.01	0.10	0.02	<div></div>
Aglantha spp. (medusa) (n=9-train=22)	0.62	0.56	0.59	
Oncaeidae spp. (n=6-train=18)	0.00	0.00	0.00	
Sarsia spp. (medusa) (n=4-train=4)	0.50	0.25	0.33	
Ostracoda (n=2-train=25)	0.00	0.00	0.00	
Tortanus spp. (n=2-train=203)	0.20	0.50	0.29	
Monstrillidae (n=1-train=27)	0.00	0.00	0.00	
Decapoda-non brachyura (larvae) (n=1-train=423)	0.00	0.00	0.00	
macro avg	0.44	0.45	0.42	
weighted avg	0.73	0.70	0.71	
	precision	recall	f1-score	

Predictions of discarded taxa from training



Relative Abundance of Top Taxonomic Instances per Sample

