Use of SCN features: Yes

Max learning objects: Maximum objects/class Strategy N° 5

Actual Values

## 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 (civ-vi), Cyclopoida, Zooplankton classes in learning set

Confusion Matrix In novement of Actual Value

										Col	HUSTO	n IVI	atrix	- IN	oercer	nt of	Actu	dl Vd	tue							
Acartia spp.	97%	<1%	1%	<1%	<1%		<1%	<1%	<1%	<1%						<1%										
Evadne spp.	<1%	89%	<1%	<1%	<1%	<1%	4%	<1%			<1%	<1%	4%	<1%	<1%				<1%							
Temora spp.	40%	3%	48%	4%	1%		<1%	3%		2%									<1%		<1%					
Pseudocalanus spp.	53%		9%	36%				<1%		1%										<1%	<1%					
Oithona spp.	29%	<1%	<1%		67%			<1%			<1%					2%										
Bryozoa (larvae)		34%	<1%		<1%	52%	1%	1%			1%		6%	<1%		<1%			2%							
Podon/Pleopsis spp.	12%	15%	23%	2%			33%	<1%	<1%	<1%			<1%						8%							5%
Calanoida (ci-ciii)	35%	20%	10%	2%	4%		14%	10%		2%									<1%	<1%						<1%
Oikopleura spp.	2%		3%	2%	<1%				73%							13%		2%								5%
Centropages spp.	19%		3%	1%						69%															5%	2%
Echinodermata (larvae)	14%	2%			10%		2%		2%		14%					52%			2%							2%
Gastropoda (larvae/Limacina)		2%					6%					64%	4%		15%				9%							
Hydrozoa (medusa)	4%	2%	4%			6%	6%				2%		49%			13%						6%				6%
Harpacticoida- epibenthic	89%	2%	2%		4%																2%					
Bivalvia (larvae)						7%	7%					5%	7%		70%				5%							
Fritillaria spp.	6%				6%				26%		3%					59%										
Microcalanus spp.	19%	19%	13%	13%			16%	13%				3%					3%									
Chaetognatha									43%									50%	4%	4%						
Polychaeta (larvae)	10%	15%		5%	5%		10%					5%	5%						40%							5%
Calanus spp.				14%						7%										71%						7%
Eurytemora spp.	70%		10%	20%																						
Aglantha spp. (medusa)													33%									56%				11%
Oncaeidae spp.	100%																									
Sarsia spp. (medusa)			25%										25%						25%			25%				
Ostracoda						100%																				
Tortanus spp.	50%																								50%	
Monstrillidae	100%																									
capoda–non brachyura (larvae)																				100%						
	Acart	Cradi,	Temo,	PSelle Post Pp.	Oithor docalanus	Bryos No SPD. SPD.	Podol larva	Calan Pleopsis	Oikopi Spp.	Centro Cura Spp.	Chino Chino	Castro Odermete	Hydro (larae)	Harpa (medi	Bivalvicoida Cina)	Fritille (lange)	Micro	Chaelanus S	Polych Pp.	Calant Backa (la)	Curyre ys Spp.	Aglani, Spp.	Oncaeidae Spp. (medi	Strict Str. (S. Str. (S. Str.)	Portanus Redusa)	Monstrillidge

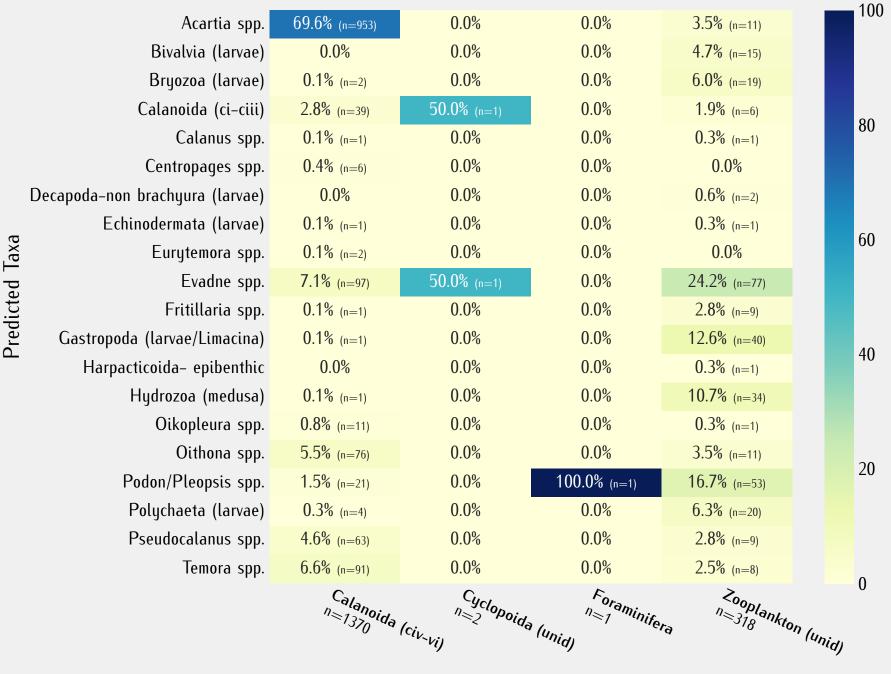
Predicted Values

## Classification Report Matrix max available learning objects per class

max	available	learning ol	ojects per c	ts per class				
	precision	recall	f1-score					
<b>Acartia spp.</b> (n=2490-train=111319)	0.63	0.97	0.77					
Evadne spp. (n=1931-train=11064)	0.89	0.89	0.89					
<b>Temora spp.</b> (n=1416-train=7347)	0.76	0.48	0.59					
Pseudocalanus spp. (n=1044-train=4845)	0.83	0.36	0.50					
Oithona spp. (n=345-train=5881)	0.83	0.67	0.74					
Bryozoa (larvae) (n=248-train=1142)	0.91	0.52	0.66					
Podon/Pleopsis spp. (n=230-train=7347)	0.39	0.33	0.36					
Calanoida (ci-ciii) (n=130-train=5557)	0.16	0.10	0.12					
<b>Oikopleura spp.</b> (n=115-train=5305)	0.78	0.73	0.75					
Centropages spp. (n=88-train=3620)	0.55	0.69	0.61					
Echinodermata (larvae) (n=50-train=3043)	0.41	0.14	0.21					
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.58	0.64	0.61					
<b>Hydrozoa (medusa)</b> (n=47-train=4052)	0.18	0.49	0.26					
Harpacticoida- epibenthic (n=47-train=555)	0.00	0.00	0.00					
Bivalvia (larvae) (n=44-train=3764)	0.79	0.70	0.75					
Fritillaria spp. (n=34-train=6992)	0.26	0.59	0.36					
Microcalanus spp. (n=31-train=80)	1.00	0.03	0.06					
Chaetognatha (n=28-train=89)	0.88	0.50	0.64					
Polychaeta (larvae) (n=20-train=1577)	0.19	0.40	0.26					
Calanus spp. (n=14-train=359)	0.67	0.71	0.69					
Eurytemora spp. (n=10-train=1818)	0.00	0.00	0.00					
<b>Aglantha spp. (medusa)</b> (n=9-train=22)	0.56	0.56	0.56					
Oncaeidae spp. (n=6-train=18)	0.00	0.00	0.00					
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=203)	0.20	0.50	0.29					
<b>Monstrillidae</b> (n=1-train=27)	0.00	0.00	0.00					
ecapoda-non brachyura (larvae) (n=1-train=423)	0.00	0.00	0.00					
macro avg	0.44	0.39	0.38					
weighted avg	0.73	0.70	0.69					

precision recall f1-score

## Predictions of discarded taxa from training



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

