Use of SCN features: No

Max learning objects: 5000 objects/class

Pseudocalanus spp. 20%

Bryozoa (larvae)

Oikopleura spp. <1%

Centropages spp. 9%

Echinodermata (larvae) 2%

Hydrozoa (medusa)

Bivalvia (larvae)

Aglantha spp. (medusa)

Sarsia spp. (medusa)

Decapoda-non brachyura (larvae)

Eurytemora spp. 30%

Oncaeidae spp. 17%

Polychaeta (larvae) 5% 10% 5% 5%

Microcalanus spp.

Harpacticoida- epibenthic 15% 2% 9%

Gastropoda (larvae/Limacina)

Actual Values

Podon/Pleopsis spp. <1% 13% 26% 2%

Calanoida (ci-ciii) 12% 10% 15% 5% 5%

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

														<b>T</b>				, ,								
										Cor	าfusio	on Ma	atrix	– In	perce	nt of	Actu	al Vá	alue							
Acartia spp.	65%	<1%	8%	9%	1%		<1%	3%	<1%	7%				<1%		<1%	<1%		<1%		3%				<1%	
Evadne spp.		87%	<1%	<1%	<1%	<1%	4%	<1%	<1%		<1%	2%	5%	<1%	<1%				<1%							
Temora spp.	13%	2%	54%	9%	2%	<1%	<1%	7%		8%			<1%	<1%					<1%		4%				<1%	
udocalanus spp.	20%		9%	54%				3%		8%				<1%			<1%			<1%	5%					<1
Oithona spp.	12%	<1%	<1%		78%			2%	<1%	2%	<1%					3%					<1%				<1%	
Bryozoa (larvae)		17%	<1%		<1%	64%	3%	<1%			2%		10%	<1%		<1%			<1%							
n/Pleopsis spp.	<1%	13%	26%	2%		2%	29%	4%	<1%	<1%			1%	<1%			<1%		12%		2%					5%
lanoida (ci-ciii)	12%	10%	15%	5%	5%		12%	27%		5%							3%		3%	<1%	2%					<1
Oikopleura spp.	<1%		3%	2%	<1%				76%		<1%					6%		3%								8%
entropages spp.	9%		2%	1%						81%										1%					5%	1%
ermata (larvae)	2%				16%		2%	2%	8%		16%		4%			46%			2%							2%
arvae/Limacina)		2%					4%					64%	4%		13%				13%							
rozoa (medusa)		2%				9%	4%				2%		47%			17%			4%	2%		6%				6%
ida- epibenthic	15%	2%	9%	6%	2%			2%						51%							13%					
Bivalvia (larvae)						5%	7%					5%	7%		70%				7%							
Fritillaria spp.					9%				32%							59%										
crocalanus spp.		6%	10%	10%			19%	19%						3%			16%		6%		10%					
Chaetognatha									29%									64%	4%	4%						
chaeta (larvae)	5%	10%	5%	5%			5%					10%		5%					45%						5%	5%
Calanus spp.				7%						7%										71%						149
Eurytemora spp.	30%		10%	30%						20%											10%					
spp. (medusa)													22%									56%	1	1%		119
Oncaeidae spp.	17%													50%							33%					
spp. (medusa)													50%			25%							2	5%		
Ostracoda						50%								50%												
Tortanus spp.										50%															50%	
Monstrillidae										100%																
chyura (larvae)																				100%						
	Acart	Spp.	Temole Spp.	Sella Spp.	Oitho	Bryon Spp.	Podol	Calan	Oitop	Centro	Chin	Castro	Hydr	Harp.	Bivall	Pitil	Micro	Char	Polyc	Calani hacta (la	Cury	Aglanza	Oncaei	Sarsia Osti	Tortan,	Monstrillida
		500.	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	<i>S</i> 2/2.	Oithon Oithon	Bryon	a land	Deopsis	Oikop.	Centrol Seura Spp.	Odges Sp	Castro Odermoto	Poda (la	Harpe med	Bivall School of the State of t	" (larva	Microsop.	Planus	Polyci Tognatha	acta (lar		Aglanth Emora Spp.	Oncacidal Sp. (med	Sarsia Spp. (I.		Monstrillida
						20.	)		<i>S</i> 20.			Ģ,	(ande)	Vac/limo		Pibenth	<i>,</i> ·	•	<b>%</b>	2	de)		"ned	(usa)	"Ousa)	
														V	Cinal	10	C									Monstrillida
													D	م طا: عا	۱ ـ / / لہ											
													۲r	edicte	a vali	ues										

**Predicted Values** 

## Classification Report Matrix max 5000 learning objects per class

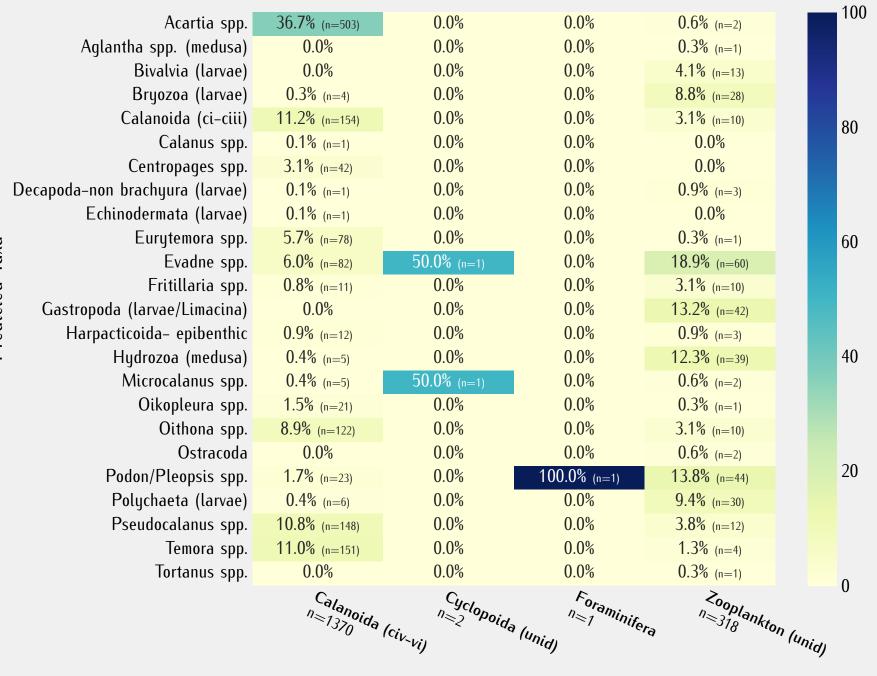
ma	ax 5000 lea	arnıng obje	ects per cla
	precision	recall	f1-score
Acartia spp. (n=2490-train=5000)	0.77	0.65	0.71
<b>Evadne spp.</b> (n=1931-train=5000)	0.92	0.87	0.90
<b>Temora spp.</b> (n=1416-train=5000)	0.66	0.54	0.60
Pseudocalanus spp. (n=1044-train=4845)	0.60	0.54	0.57
<b>Oithona spp.</b> (n=345-train=5000)	0.75	0.78	0.76
Bryozoa (larvae) (n=248-train=1142)	0.87	0.64	0.74
Podon/Pleopsis spp. (n=230-train=5000)	0.37	0.29	0.33
Calanoida (ci-ciii) (n=130-train=5000)	0.13	0.27	0.18
Oikopleura spp. (n=115-train=5000)	0.71	0.76	0.73
Centropages spp. (n=88-train=3620)	0.16	0.81	0.26
Echinodermata (larvae) (n=50-train=3043)	0.42	0.16	0.23
Gastropoda (larvae/Limacina) (n=47-train=3272)	0.38	0.64	0.48
Hydrozoa (medusa) (n=47-train=4052)	0.14	0.47	0.22
Harpacticoida- epibenthic (n=47-train=555)	0.41	0.51	0.45
Bivalvia (larvae) (n=44-train=3764)	0.79	0.70	0.75
Fritillaria spp. (n=34-train=5000)	0.23	0.59	0.33
Microcalanus spp. (n=31-train=80)	0.38	0.16	0.23
Chaetognatha (n=28-train=89)	0.82	0.64	0.72
Polychaeta (larvae) (n=20-train=1577)	0.14	0.45	0.21
Calanus spp. (n=14-train=359)	0.59	0.71	0.65
Eurytemora spp. (n=10-train=1818)	0.00	0.10	0.01
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)	0.08	0.50	0.13
Monstrillidae (n=1-train=27)	0.00	0.00	0.00
apoda-non brachyura (larvae) (n=1-train=423)	0.00	0.00	0.00
macro avg	0.41	0.45	0.40
weighted avg	0.72	0.65	0.68

precision

recall f1-score

0.0

## Predictions of discarded taxa from training



Actual discarded Taxa

