Use of SCN features: Yes

Max learning objects: 20000 objects/class Strategy N° 6

Actual Values

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

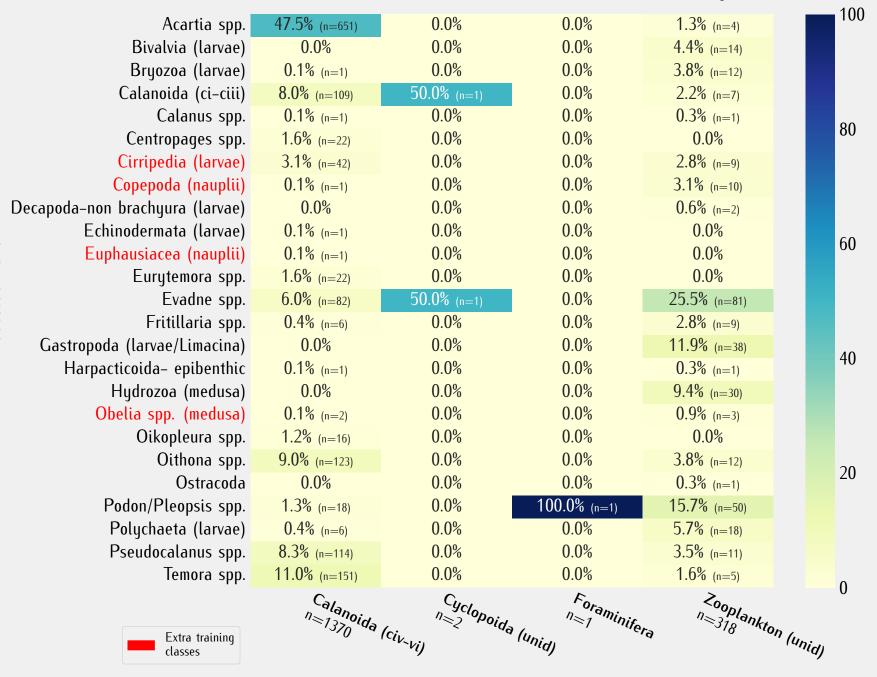
Confusion Matrix – In percent of Actual Value

	Classification Report Matrix
max	20000 learning objects per class

precision recall f1-score

												Cui	iiuSto	11 171	- אווג	iii þe	Hem	t OI /	Actual V	atue										precisio	,	f1-score	
Acartia spp). 81	1% <	1%	6%	5%	1%		<1%	2% <1	% 3%	í			<1%	<1	% <1%	ó		<19	%			<1%		<1%	<	<1%	<1%	Acartia spp	0.72	0.81	0.77	
Evadne spp												1%	4%					<1%								<1% <			(n=2490-train=20000 Evadne spp	0.00	0.88	0.89	
Temora spp										4%				•				<1%	2%						<1%		<1%	<1%	(n=1931-train=11064 Temora_spp	0.60	0.58	0.63	
Pseudocalanus spp				13%			•		3%	4%						<1%			<1% 2%						<1%		•		(n=1416-train=/34/ Pseudocalanus spp	0.67	0.47	0.55	
Oithona spp						73%			<1% <1			ó			3%				<19						<1%				(n=1044-train=4845 Oithona spp	0.76	0.73	0.74	
Bryozoa (larvae				<1%		<1%	48%				<1%		7%	<1%	<15			1%							4%	2%			(n=345-train=5881 Bryozoa (larvae (n=248-train=1142	0.70	0.73	0.74	
Podon/Pleopsis spp						·			4% <1	% <1			1%	•				9%	1%	5				4%			<1%		(n=248-train=1142 Podon/Pleopsis spp		0.40	0.04	
Calanoida (ci-ciii						4%		12%		2%								<1%							7%			<1%	(n=230-train=7347	0.51			
Oikopleura spp					2%					% <1°					12%	ó	2%							7%					(n=130-train=5557 Oikopleura spp	0.13	0.20	0.16	
Centropages spp				3%						789	%												5%	2%					(n=115-train=5305 Centropages spp	0.7 1	0.70	0.72	0.8
Echinodermata (larvae						18%		2%	2% 2%		12%				50%	ó		2%						2%	6%		2%		(n=88-train=3620 Echinodermata (larvae	0.27	0.78	0.40	
Gastropoda (larvae/Limacina			2%					2%				68%	4%		15%			9%											(n=50-train=3043) Gastropoda (larvae/Limacina	0.00	0.12	0.20	
Hydrozoa (medusa							2%	9%			2%		28%		6%					2%				4%	9%		38%		(n=47-train=3272 Hydrozoa (medusa	0.55	0.68	0.61	
Harpacticoida- epibenthio		7% 2	2%	6%	9%	4%			4%					21%					4%							2%			(n=47-train=4052 Harpacticoida- epibenthi	0.11	0.28	0.16	
Bivalvia (larvae						-	5%	5%				5%	7%		70%											9%			(n=47-train=555	0.02	0.21	0.32	0.6
Fritillaria spp						9%			299	%					629	<u>б</u>													Bivalvia (larvae (n=44-train=3764	0.70	0.70	0.74	0.0
Microcalanus spp		% 1	6%	10%				13%								6%									3%				Fritillaria spp (n=34-train=6992	0.23	0.62	0.35	
Chaetognatha									399) ₆							54%	4%	4%										Microcalanus spp (n=31-train=80	0.10	0.06	0.11	
Polychaeta (larvae		3%			5%	5%		15%					5%					30%						5%	25%				Chaetognatha (n=28-train=89	0.00	0.54	0.67	
Calanus spp					14%					7%	ó								79%										Polychaeta (larvae (n=20-train=1577	0.13	0.30	0.20	
Eurytemora spp		0%		20%						30%																			Calanus spp (n=14-train=359	0.03	0.79	0.73	0.4
Aglantha spp. (medusa													33%							44%				11%			11%		Eurytemora spp (n=10-train=1818	0.00	0.00	0.00	
Oncaeidae spp		0%												50%															Aglantha spp. (medusa (n=9-train=22	0.07	0.44	0.53	
Sarsia spp. (medusa															25%	ó				25%						Ţ	50%		Oncaeidae spp (n=6-train=18	0.00	0.00	0.00	
Ostracoda							100%																						Sarsia spp. (medusa (n=4-train=4	0.00	0.00	0.00	
Tortanus spp										509	%												50%						Ostracoda (n=2-train=25	0.00	0.00	0.00	0.2
Monstrillidae		0%																											Tortanus spp (n=2-train=203	0.17	0.50	0.25	
Decapoda–non brachyura (larvae																			100%										Monstrillida (n=1-train=27	0.00	0.00	0.00	
I J (1 _{Co} <	SV2	Ten.	SSS	O _{izi}	Bry	Por	Car 01	; C		. Co.	Hyd	4	Bir S	ix. Mi	Cha			12 19/	On	Son Or	Porx	10. Dec	Cirr	Con	06 64	Cyn.	Decapoda-non brachyura (larvae (n=1-train=423	0.00	0.00	0.00	
		Acarria S	"Une	Spp.	Sellor Spp.	ocalar	Bryoto Spp.	Da (lan	Calanoida Pleopsis Sp	Oplanta	Ontropages Spp.	Toderm	opodo.	Day (p	Bivalvia (la	tillaria St.	Chael Op.	Tognatha	Calanus Sp.	Tytemora	Oncacida Spp. (m		Tortant	Monstrillidge	Doda D	dia (1	To Sp.	Mausiace	Cirripedia (larvae (n=0-train=7685	_	-	-	
			•	•	•	1145	Bryozo	1/4	Calanoida Pleopsis Sp.	ci. Ciii)		Spp. di	Alarae	vae/	Bivalvia (la la l	Nacy M	Ö 3	500	Calanus Sp. (lange)	<i>y</i>	Oncocido Spp. (m.	Satsia Spp. (1. Section)	meduse.	, <i>Y</i> , 46	10/1	brach	Obelia Sp. Re (nauplii)	Medus	(n=1-train=423 Cirripedia (larvae (n=0-train=7685 Copepoda (nauplii (n=0-train=11555 Ohelia spp. (medusa		-	-	0.0
													9e)	(III)	Bivalvia (la chila	nthic						Ta)	ソ			YUE	Obelia Sp. Rauplii)	9)	Obelia spp. (medusa (n=0-train=1003		-	_	
																											de		xtra Euphausiacea (larvae		-	-	
															Pred	icted	Value	25											aining asses Euphausiacea (nauplii (n=0-train=145)		_	_	
																													macro avg (corr		0.40	0.38	
																													weighted avo	0.73	0.69	0.70	

Predictions of discarded taxa from training



Actual discarded Taxa

