Use of SCN features: No

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

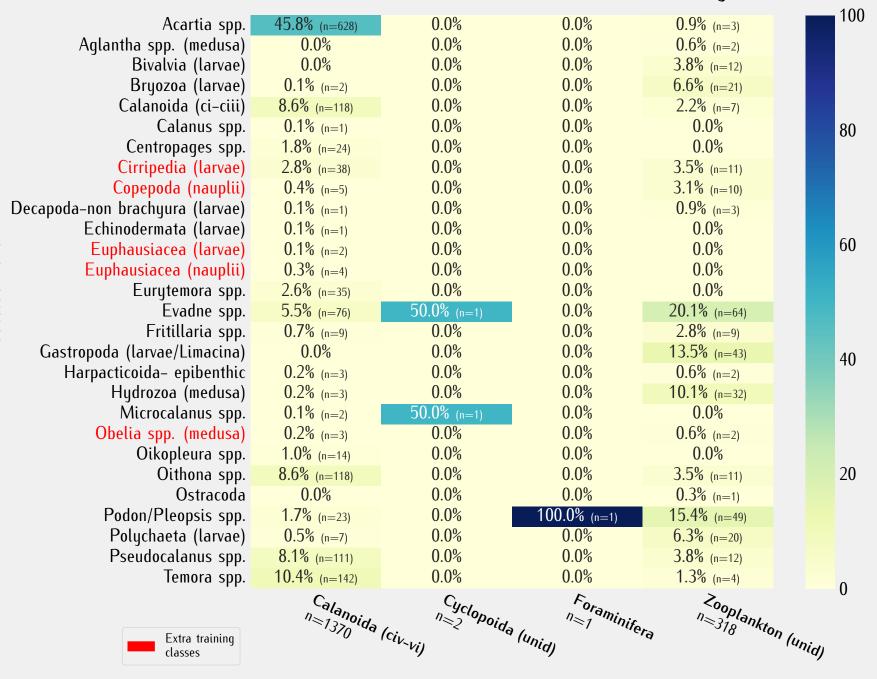
Confusion Matrix - In percent of Actual Value

Classification Report Matrix max 20000 learning objects per class													
	precision	recall	f1-score										
spp. 000)	0.75	0.79	0.77										

Confusion Matrix – In percent of Actual Value																															
Acartia spp.	79%	<1%	6%	5%	1%			2%	<1%	3%			<1%		<1%	<1%		<1%	<	<1%					<1%		<1%	<1%		A (n=2490-tr	cartia spp rain=20000
Evadne spp.	<1%	88%	<1%	<1%	<1%	K <1%	4%	<1%			<1% 2%	4%	<1%	<1%				<1%							2%	<1%	<1%		_	`	vadne spp
Temora spp.	18%	2%	56%	7%	1%		<1%	6%		5%			<1%					<1%		3%					2%	<1%	<1%	<1% <1%		,	emora spp
Pseudocalanus spp.	29%		10%	49%				3%		5%									<1%	3%				<19	á		<1%			Pseudoca	
Oithona spp.	14%	<1%	<1%		77%	5		1%	<1%	<1%	<1%				3%				<	<1%					<1%				_	Oi	ithona spp train=5881
Bryozoa (larvae)		23%	<1%		<1%	6 55%	2%	1%	<1%		<1%	10%	<1%		<1%			<1%							4%	2%				Bryozo	oa (larvae train=1142
Podon/Pleopsis spp.	1%	11%	22%	2%		<1%	29%	3%	<1%	<1%		<1%						11%		1%				4%	11%	<1%	1%			Podon/Ple	
Calanoida (ci-ciii)	19%	10%	13%	5%	4%		10%	22%		3%						3%		2%	<1%					<19	5%	3%			_	Calanoi	ida (ci-ciii
Oikopleura spp.	<1%		3%	2%	2%				74%						8%		3%							6%			2%	<1%	_	Oikop	train=5557 pleura spp
Centropages spp.	10%		5%	1%						77%									1%				5%	1%						Centro	train=5305
Echinodermata (larvae)	2%				16%	í	2%	2%	6%		14%				46%			2%						2%	4%		2%	2%		Echinoderma	
Gastropoda (larvae/Limacina)		2%					4%				66%	4%		13%				11%												Gastropoda (larvae,	
Hydrozoa (medusa)		2%				2%	6%					30%			4%						6%			2%	13%		34%			Hydrozoa	train=3272 a (medusa
Harpacticoida- epibenthic	36%	2%	4%	4%	2%			2%					36%						1	11%						2%				Harpacticoida-	
Bivalvia (larvae)						5%	5%				5%	7%		70%												9%				Bivalv	'-train=555 via (larvae
Fritillaria spp.	3%				9%				29%						59%															Friti	train=3764
Microcalanus spp.	10%	6%	6%	13%			13%	23%								13%		6%		6%					3%					Microca	train=6992 alanus spp
Chaetognatha									25%								68%	4%						4%						Cha	1-train=80 aetognath
Polychaeta (larvae)				5%			5%				10%		5%					40%						5%	30%					Polychae	28-train=89 eta (larvae
Calanus spp.				7%						7%									79%					7%						Ca	train=1577 alanus spp
Eurytemora spp.	40%		20%	10%						20%									1	10%										`	-train=359 emora sp p
Aglantha spp. (medusa)									11%			44%									22% 11%						11%				train=1818
Oncaeidae spp.	50%												50%																	(n=9	:9-train=22 neidae spp
Sarsia spp. (medusa)																					25%						75%				6-train=18
Ostracoda						50%							50%																	(n=	=4-train=4 Ostracod
Tortanus spp.	50%																						50%							(n=2)	2-train=25
Monstrillidae										100%																			_		rtanus spp -train=203 onstrillida
Decapoda-non brachyura (larvae)																			100%											(n=1)	1-train=27
	Acar	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	in Teme	De Sell	Oit,	hon Bryo	Pool	on Cola	Oikol	Centr	Chin Casi	1/1/1/	Harp.	Sival	ritil	Micro	Chael	Poly	Calan	Curyto	Aglanzi Oncap Sarsi	OSTrate SPD	Tortan	Tons De	Oir Cirry	Cope	Obelia (naufallara)	Cuph Cupi	5 2	Decapoda-non brachyu (n=1-	-train=423
		16 Spp.	(S)	PSell	10CS/9/	Thong Spp.	00/10/	on/pleop	oida (c	Centro Cility Sp.	Chinoderma Dages Spp.	Dolla (Harpe (ne lande)	Cticoid	Chibelle Conference of the Con		Chael Calanus	Ognathe	Chacta land	<i>Sp</i>	Aglantha Sp. (meduse		Portanus Pedusa)	Jonstrillide	NO MAIN	edia (la	Obelia nauf	Suphousiace office (medusa)	Rausiacea (nauplii)	(n=0-	lia (larvae train=7685
						3/10		*0)	3/2		? <i>V</i> p.	"Mary	3/20/1/		Pibel	e) Pri		<i>70.</i>	7)	(de)	P. Medus		Collisa)			brachy	W.	Vii) "Couse	(larvae) hauplii)	(n=0-tr	la (nauplii rain=11555
														id cinal		nic					,	ン					Ta lan			(n=0-1)	train=1003
																											V		xtra raining	·	0-train=87
														F	Predic	cted \	Value	S											lasses	Euphausiace (n=0-	e <mark>a (nauplii</mark> 1-train=145
																														macro a	va (corr

rain=200 vadne spp. 0.88 0.90 0.92 rain=11064) **emora spp.** train=7347) 0.62 alanus spp. -train=4845) 0.67 0.49 ithona spp. train=5881) 0.78 0.77 0.77 zoa (larvae) 0.93 0.55 0.69 train=1142) eopsis spp. -train=7347) 0.29 0.33 ida (ci-ciii) -train=5557) 0.13 0.22 0.16 **pleura spp.** -train=5305) 0.75 0.74 0.74 pages spp. -train=3620) 0.24 0.77 0.37 ita (larvae) 0.64 0.14 0.23 train=3043) /Limacina) 0.45 0.66 0.53 -train=32**7**2) (medusa) 0.12 0.30 0.17 train=4052) epibenthic 0.55 0.36 0.44 -train=555) via (larvae) 0.79 0.70 0.75 train=3764) tillaria spp. -train=6992) 0.24 0.59 0.34 lanus spp. 0.40 0.13 0.20 1-train=80) etognatha 0.68 0.76 28-train=89) eta (larvae) 0.40 0.23 train=1577) 0.4 ılanus spp. 0.79 0.73 -train=359) emora spp. train=1818) (medusa) 0.40 0.29 0.22 9-train=22) aeidae spp. =6-train=18) 0.00 0.00 (medusa) 0.50 0.33 0.25 =4-train=4) Ostracoda 0.00 0.00 0.00 =2-train=25) rtanus spp. 2-train=203) 0.20 0.50 0.29 onstrillidae 0.00 0.00 1-train=27) ıra (larvae) 0.00 0.00 -train=423) dia (larvae) train=7685) 0.0 da (nauplii) train=11555) (medusa) train=1003) c**ea (larvae)** =0-train=87) ea (nauplii) D-train=145) 0.42 0.40 0.44 macro avg (corr) 0.74 0.69 0.70 weighted avg precision f1-score recall

Predictions of discarded taxa from training



Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

