Use of SCN features: No

Actual Values

Max learning objects: 5000 objects/class Strategy N° 8

## NL 2020 Selected Samples prediction using all regions training set, Learning with selected samples classes with no low global training instances, with extra regional training categories, No Anthoathecata, Calanoida, Copepoda, Zooplankton classes in learning set

Classification	Report Matrix
max 5000 learning	g objects per class

precision recall f1-score

	Confusion Matrix – In percent of Actual Value													max 5000 learning objects per class																		
	Temora spp. 55% 9% 3% 16% 3% <1% 6% <1% <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1															precision	recall	f1-score														
Temora spp.	55%	9%	3%	16%	3%	<1%	6%	<1%	<1%			<1%	<1%		<19	%	<1%	<1%	1%	<1%	3%	1%	<1%	<1%	<1%	<1%	(11—10103-114111—3000)	0.71	0.55	0.62		
Acartia spp.	23%	47%	<1%	10%	6%	<1%	4%		1%		<1%		<1%		<1%	%		<1%	<1%		3%	1%	<1%	<1%	<1%	<1%			0.47	0.58		
Evadne spp.	<1%	<1%	81%	<1%		6%	<1%	1%	<1%	<1%		3%	<1%			<1%		<1%	<1%	<1%	<1%	5 5%		<1%			Evadne spp. (n=5228-train=5000)	0.07	0.81	0.84		
Pseudocalanus spp.	26%	13%	<1%	44%	7%		6%		<1%				<1% <	<1%			<1%	<1%	<1%		2%	<1%	%	<1%	<1%	<1%		0.24	0.44	0.31		
Centropages spp.	7%	2%		2%	88%								<1%				<1%	<1%									Centropages spp. (n=330-train=3620)	0.10	0.88	0.27		1.0
Podon/Pleopsis spp.							5 2%					<1%					8%		27%		3%	6%		<1%			Podon/Pleopsis spp. (n=253-train=5000)	0.00	0.14	0.10		
									20,			1.0					U-u									.40,	Eurytemora spp. (n=178-train=1818)		0.61	0.10		
Eurytemora spp.	5%	15%			<1%				2%									<1%			6%					<1%	(n=112-train=3272)	0.43	0.60	0.51		
Gastropoda (larvae/Limacina)			<1%			21%		60%		7%		4%							4%		2%	2%					Oithona spp. (n=98-train=5000)	0.10	0.85	0.29		0.8
Oithona spp.		6%							85%				1%		2%	% 2%					2%	2%					Bivalvia (larvae) (n=92-train=3764)		0.92	0.91		
Bivalvia (larvae)								5%		92%		2%															Oikopleura spp. (n=70-train=5000)		0.80	0.76		
Oikopleura spp.					1%						80%			1% 4%	6%	á	7%										Harpacticoida- epibenthic	0.11	0.41	0.21		
Hydrozoa (medusa)	5%		3%									41%		2%	2%	ó		41%	8%								Harpacticoida- epibenthic (n=50-train=555)	0.07	0.32	0.11		0.6
Harpacticoida- epibenthic	6%	18%		32%			8%						32%								2%				2%		Calanus spp. (n=25-train=359) Chaetognatha	0.01	0.84	0.84		
Calanus spp.				8%										84%			8%										(n=15-train=89)	0.01	0.87	0.84		
											70,						O. C										Fritillaria spp. (n=7-train=5000) Echinodermata (larvae)		0.43	0.08		
Chaetognatha				7%							7%			87%	٠.												(n=5-train=3043)  Decapoda-non brachyura (larvae)	0.10	0.20	0.13		0.4
Fritillaria spp.		14%									29%				43%	% 14%											(n=2-train=423)	0.03	0.50	0.05		
Echinodermata (larvae)						20%									20%	% 20%					20%	3 20%	5				Obelia spp. (medusa) (n=1-train=1003)	0.01	1.00	0.02		
Decapoda-non brachyura (larvae)													Ę	50%			50%										Polychaeta (larvae) (n=1-train=1577)	0.00	0.00	0.00		2.2
Obelia spp. (medusa)																		100%									Bryozoa (larvae) (n=0-train=1142)	_	-	-		0.2
Polychaeta (larvae)				100%																							Calanoida (ci-ciii) (n=0-train=5000)	_	-	-		
		Aca	- Char	~ PSel	Cen	Pod	Y Cure	Cas	Oith.	Biva	Oiko	Hyd	Marin	Cala Cho		The Chi	Deca	Obel	Poly	Bryo	Colle	S Cit	in Cop	Mic,	- Cup	Cup.	Cananada (naunlii)	_	-	-		
	2/0	Acartic	Tio SPD.	dro Sp.	idocalanus s	Tropages Sp	Ton Pleopsis	The Mora Spp.	Stropoda (lan	Sona Sp.	Oikople (larvae)	Plydro.	Marpactico (medusa)	Calanus Sp.	Retognatha	ritillaria Sp.	odermata	Obelia Doda non bro	SPD (II)	Shack land	Calande Navae	anoida (ci.	iripedia (lan	Microda (naup	Tocalanus si	Spp. Suphal	Copepoda (nauplii) (n=0-train=5000)  Microcalanus spp. (n=0-train=80)		-	-		0.0
						500 m	Ø.	SPA	? ***	vaelling	<i>پ</i> کړ.	/ ~.	41/20)	Pibenth	Si:		. (1	Janae of	achyura . et	dusal	an s	シ	City C	30 W	Mir) "	<i>30.</i> 16		_	-	-		0.0
										٠,	ina)				C					(ande)							Euphausiacea (larvae) (n=0-train=87)	_	-	-		
													Predict	ed Values	S											trá	raining classes  Euphausiacea (nauplii) (n=0-train=145)	-	-	-		
																											macro avg (corr)	0.36	0.58	0.38		
																											weighted avg	0.70	0.55	0.60		

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample Val Pred 1.0 -0.8 Relative Abundance 0.4 0.2 -0.0 S25 S21 S22 S23 S24 S26 S27 S28 S29 S30

Sample Short ID

