Use of SCN features: No

Actual Values

Max learning objects: 5000 objects/class Strategy N° 7

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

Confusion Matrix - In percent of Actual Value

		ation Repor	
m	ax 5000 lea precision	recall	f1-score
Temora spp. (n=18103-train=5000)	0.70	0.58	0.64
Acartia spp. (n=13302-train=5000)	0.74	0.49	0.59
Evadne spp. (n=5228-train=5000)	0.85	0.84	0.85
Pseudocalanus spp. (n=3053-train=4845)	0.24	0.45	0.31
Centropages spp. (n=330-train=3620)	0.17	0.88	0.28
Podon/Pleopsis spp. (n=253-train=5000)	0.07	0.18	0.10
Eurytemora spp. (n=178-train=1818)	0.06	0.62	0.11
Gastropoda (larvae/Limacina) (n=112-train=3272)	0.43	0.61	0.51
Oithona spp. (n=98-train=5000)	0.16	0.87	0.27
Bivalvia (larvae) (n=92-train=3764)	0.91	0.95	0.93
Oikopleura spp. (n=70-train=5000)	0.67	0.79	0.72
Hydrozoa (medusa) (n=64-train=4052)	0.15	0.38	0.21
Harpacticoida- epibenthic (n=50-train=555)	0.07	0.40	0.12
Calanus spp. (n=25-train=359)	0.86	0.76	0.81
Chaetognatha (n=15-train=89)	0.81	0.87	0.84
Fritillaria spp. (n=7-train=5000)	0.05	0.71	0.10
Echinodermata (larvae) (n=5-train=3043)	0.04	0.20	0.07
Decapoda-non brachyura (larvae) (n=2-train=423)	0.06	1.00	0.11
Obelia spp. (medusa) (n=1-train=1003)	0.01	1.00	0.01
Polychaeta (larvae) (n=1-train=1577)	0.00	0.00	0.00
macro avg	0.35	0.63	0.38

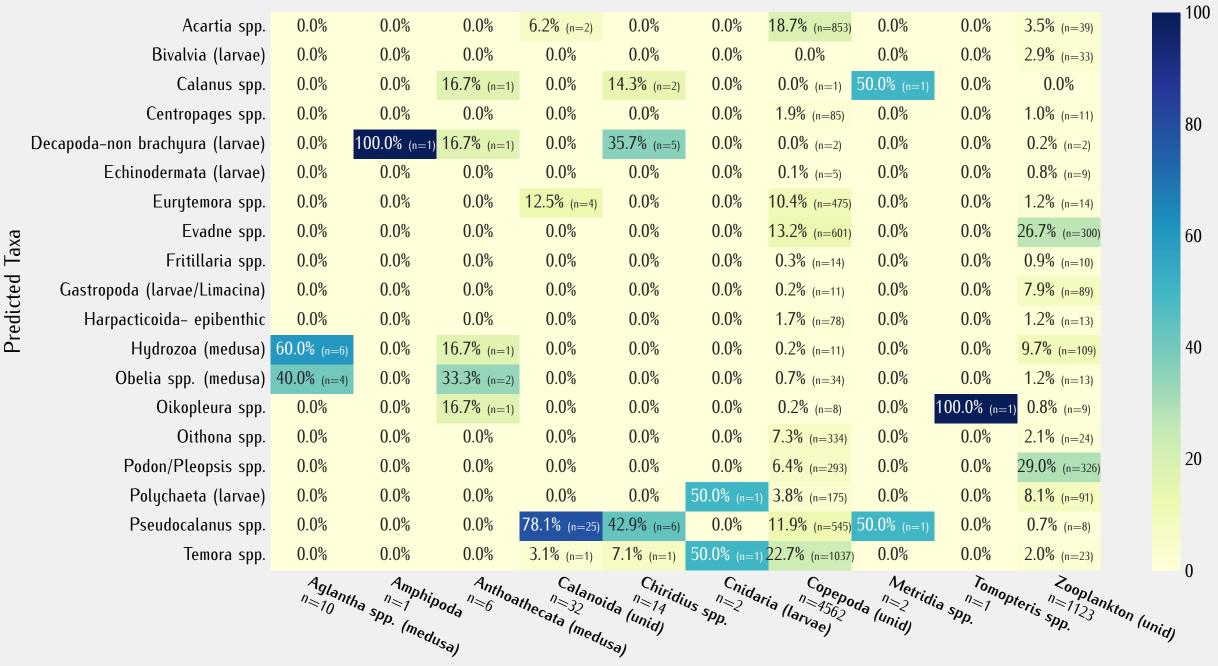
weighted avg 0.69

precision

recall f1-score

Confusion Matrix – In percent of Actual Value																				
Temora spp.	58%	10%	3%	16%	3%	<1%	6%	<1%	<1%		<1%	<1%	<1%			<1%		<1%	<1%	1%
Acartia spp.	25%	49%	1%	10%	5%	<1%	4%		2%		<1%		<1%			<1%			<1%	<1%
Evadne spp.	2%	<1%	84%	<1%		7%	<1%	1%	<1%	<1%		2%	<1%				<1%		<1%	<1%
Pseudocalanus spp.	27%	13%	<1%	45%	7%	<1%	6%		<1%				<1%	<1%				<1%	<1%	<1%
Centropages spp.	8%	2%		2%	88%								<1%					<1%		
Podon/Pleopsis spp.	30%	<1%	6%	4%		18%	2%						<1%					7%	3%	30%
Eurytemora spp.	9%	15%	4%	3%	<1%	1%	62%		3%				2%							
Gastropoda (larvae/Limacina)			2%			23%		61%		7%		3%								4%
Oithona spp.		6%	1%						87%				2%			2%	2%			
Bivalvia (larvae)								3%		95%		2%								
Oikopleura spp.					1%						79%			1%	4%	6%		9%		
Hydrozoa (medusa)	5%		3%			2%						38%		2%		2%			44%	6%
Harpacticoida- epibenthic	6%	22%		24%	2%		6%						40%							
Calanus spp.				12%										76%				12%		
Chaetognatha				7%							7%				87%					
Fritillaria spp.											14%					71%	14%			
Echinodermata (larvae)						20%			20%		40%						20%			
Decapoda-non brachyura (larvae)																		100%		
Obelia spp. (medusa)																			100%	
Polychaeta (larvae)	>	1		100%								4.	<i>k.</i>				_		0	8
	Temora	Acartia Spp.	Spp.	, Sp.	Centrop Calanus Spp.	Podon/	Eurytell Deopsis Spp.	Tora Spp.	Oithona Poda (lanae/li	Spp.	Oikoples (larvae)	Tydroxo	Harpach (medusa)	colonus coida coibel	Chaetay SDD.	Pritillal	Spp.	Decapole Port of Carac	So non brachy,	Polychaeta (lar. (medysa) (ta (larvae)
										'Ua)					·					(lande)
		Predicted Values																		

Predictions of discarded taxa from training



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

