Use of SCN features: Yes

Max learning objects: 20000 objects/class Strategy N° 3

Actual Values

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

Confusion Matrix - In percent of Actual Value

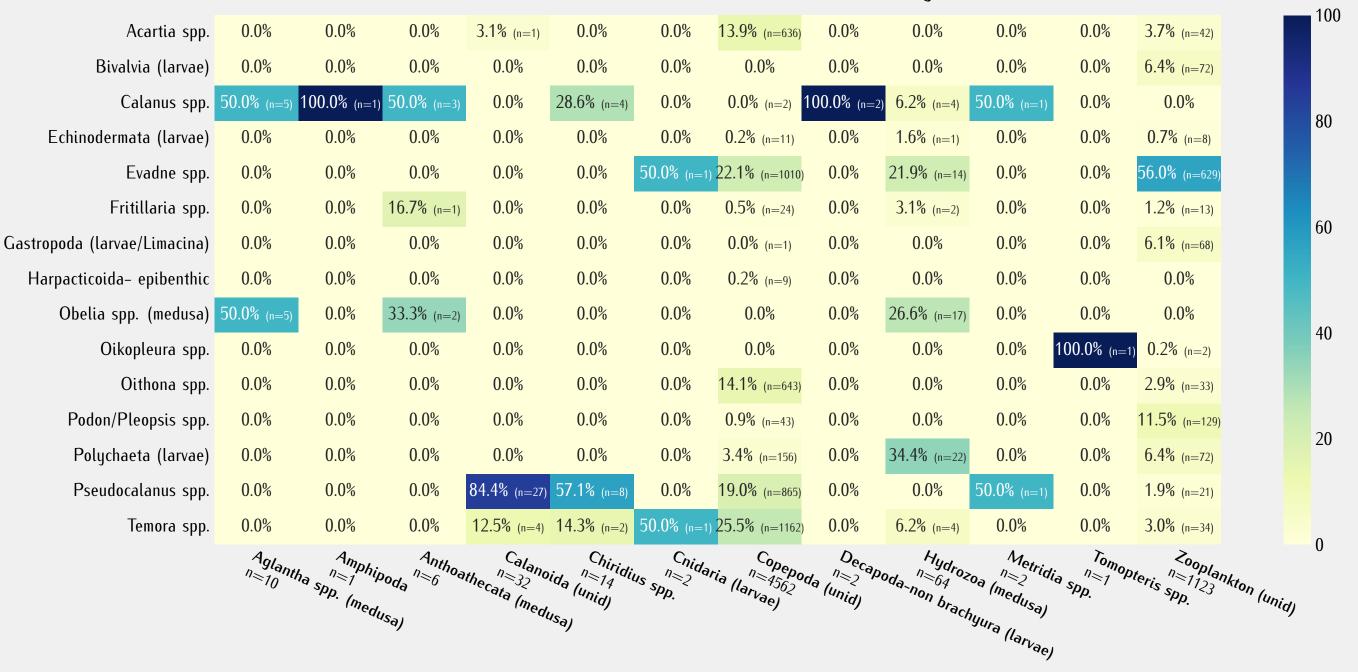
Classification Report Matrix max 20000 learning objects per class

recall f1-score

precision

	Confusion Matrix – In percent of Actual Value														max 20000 tearning objects per cit								
																				precision	recall	f1-score	
Temora spp.	62%	10%	5%	19%		<1%			3%			<1%			<1%	<1%		1%	<b>Temora spp.</b> (n=18103-train=5148)	0.73	0.62	0.67	
Acartia spp.	22%	60%	2%	11%		<1%			3%			<1%			<1%	<1%	<	<1%	<b>Acartia spp.</b> (n=13302-train=5448)	0.76	0.60	0.67	
Evadne spp.	<1%	<1%	96%	<1%		2%		<1%	<1%	<1%						<1%	<	<1%	<b>Evadne spp.</b> (n=5228-train=2845)	0.78	0.96	0.86	
Pseudocalanus spp.	32%	17%	<1%	50%					<1%			<1%			<1%		<	<1%	Pseudocalanus spp. (n=3053-train=4552)	0.23	0.50	0.32	
Centropages spp.	22%	72%		4%	2%														` <i>'</i>				
Podon/Pleopsis spp.	27%	<1%	19%	4%		13%			<1%				<1%			<1%	3	34%	Centropages spp. (n=330-train=40)	1.00	0.02	0.05	
Eurytemora spp.	35%	15%	12%	18%					19%			<1%					<	<1%	Podon/Pleopsis spp. (n=253-train=201)	0.20	0.13	0.16	
Gastropoda (larvae/Limacina)			13%			27%		33%		14%								2%	Eurytemora spp. (n=178-train=88)	0.00	0.00	0.00	
Oithona spp.		5%	4%	1%					87%						3%				Gastropoda (larvae/Limacina) (n=112-train=110)	0.54	0.33	0.41	
Bivalvia (larvae)								17%		83%									Oithona spp. (n=98-train=1409)	0.07	0.87	0.13	
Oikopleura spp.	1%	1%									71%		1%	1%	23%				<b>Bivalvia (larvae)</b> (n=92-train=71)	0.78	0.83	0.80	
Harpacticoida- epibenthic	12%	20%	2%	36%					8%			22%							<b>Oikopleura spp.</b> (n=70-train=761)	0.94	0.71	0.81	
Calanus spp.				16%									84%						·				
Chaetognatha				7%							20%			73%					Harpacticoida- epibenthic (n=50-train=136)	0.23	0.22	0.22	
Fritillaria spp.									14%						86%				Calanus spp. (n=25-train=213)	0.91	0.84	0.87	
Echinodermata (larvae)			20%			20%			20%						40%				<b>Chaetognatha</b> (n=15-train=67)	0.92	0.73	0.81	
Obelia spp. (medusa)																	100%		Fritillaria spp. (n=7-train=3447)	0.05	0.86	0.10	
Polychaeta (larvae)				100%															Echinodermata (larvae) (n=5-train=276)	0.00	0.00	0.00	
	Penora S	Acartia Cop.	Spp. Spp.	Solidor	Centropoly	Podon/A	Cleopsis Spp.	Castropol	Oithona Sallanae/Linae	Birohia Op.	Oikopleh (lanae)	Harpacii,	Calanus Coida Coida Coida Coibenthu	Chaetogh	Patha Pritillaria	Spp Schinoder.	Obelia Spp. (me	Polychaeta (larvae)	<b>Obelia spp. (medusa)</b> (n=1-train=43)	1.00	1.00	1.00	
					<i>SPD</i> .	<i>7</i> 0,	30p.	~⊅i	anae/Linae	in <sub>a)</sub>	**/	λ <u>i</u>	Chibenthic				(large)	dusa) mae,	Polychaeta (larvae) (n=1-train=452)	0.00	0.00	0.00	
									Predicte										macro avg	0.51	0.51	0.44	
																			weighted avg	0.70	0.64	0.65	

## Predictions of discarded taxa from training



Predicted

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

