Use of SCN features: No

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

Actual Values

## PA 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

Classification Report Matrix max 20000 learning objects per class

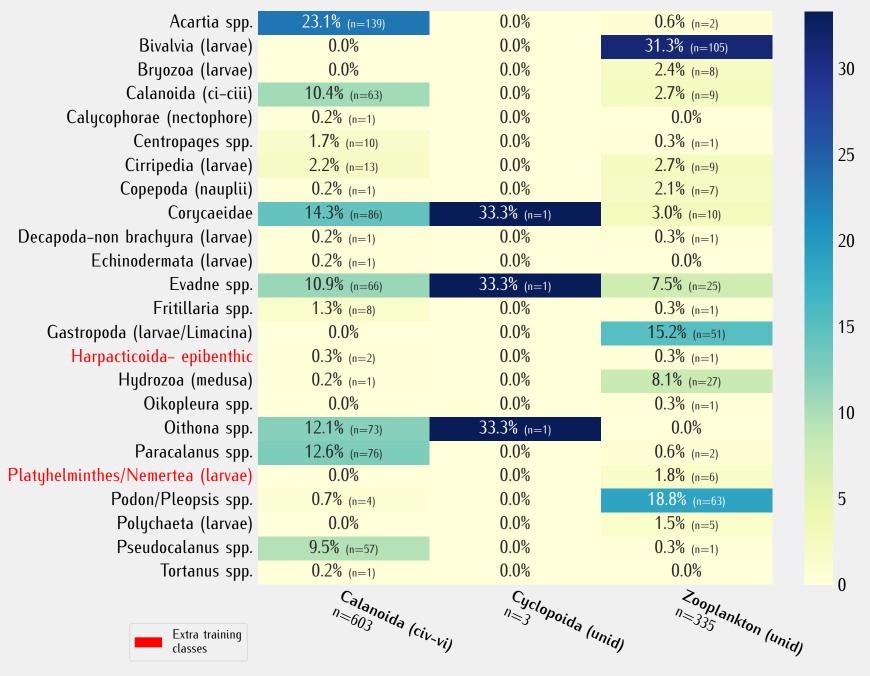
weighted avg 0.77

0.68

precision recall f1-score

	Confusion Matrix – In percent of Actual Value													m	arning obje	ing objects per class																
	Cirripedia (larvae) 73% <1% <1% 11% <1% 7% <1% <1% <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <1%   <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														
										1%	<1						<	1% <1%				<1%		<1%	<1%		<1%	Cirripedia (larvae (n=3231-train=7685		0.73	0.83	
Acartia spp.	<1%	56%	<1%	<1%	<1%	1%	10%	4%	6%			<19	6 <19	ó	<1%	<1%			<1%	<1%	17%	2%				<1%		Acartia spj (n=2290-train=20000	0.89	0.56	0.69	
Oikopleura spp.	<1%	1%	67%	2%	18%	3%	<1%	1%	<1%	<1%	<1	% <19	6 <19	<1%	2%		<	1%	<1%	<1%	<1%	<1%		<1%	<1%	<1%	<1%	<b>Oikopleura sp</b> (n=1773-train=5309	0.90	0.67	0.77	
Podon/Pleopsis spp.	9%	1%	<1%	47%		26%	2%	2%	6%	1%	1%	<19	6 <19	ó	<1%	<1%	<1%				<1%	<1%		<1%	<1%	<1%	<1%	Podon/Pleopsis sp	). 0. 0.38	0.47	0.42	
Fritillaria spp.		1%	21%	<1%	64%	<1%	<1%	<1%	<1%		<1	% 2%		1%						<1%	5%			<1%	<1%	<1%	<1%	Fritillaria sp	0. 0.46	0.64	0.53	
Evadne spp.	4%		<1%	4%		72%	1%	2%	2%	2% 1	%	7%		<1%	<1%		<1%				<1%			<1%	<1%			(n=475-train=6992 Evadne spj	2)	0.72		
Corycaeidae	<1%	16%	1%	2%	<1%	<1%	64%	1%	3%				2%		<1%		<	1%	<1%		2%	3%			<1%	1%		(n=358-train=11064	0.55		0.45	1.0
Calanoida (ci-ciii)	11%	3%	<1%	15%	<1%	14%	12%	18%	4%		1%	i		3%							13%			2%		2%		Corycaeida (n=335-train=1760	0.15	0.64	0.51	
Paracalanus spp.	<1%	9%	<1%	2%		1%		3%	54%				1%									28%						Calanoida (ci-cii (n=150-train=555)		0.18	0.16	
Gastropoda (larvae/Limacina)	3%	2%		16%		13%		2%		54% 6	%						<1%				2%			<1%				Paracalanus sp (n=141-train=1619		0.54	0.35	
Bivalvia (larvae)				6%			1%			5% 82	2%	2%												2%			1%	Gastropoda (larvae/Limacina (n=126-train=3272		0.54	0.52	0.0
Polychaeta (larvae)	15%			14%		15%	3%	2%	2%	3%	319	ó			6%		3	%		2%		3%		2%				Bivalvia (larvae (n=96-train=3764		0.82	0.82	0.8
Hydrozoa (medusa)		2%				5%			2%	2%	159	62%	L		5%	2%	2% 2	%						2%				Polychaeta (larvae (n=65-train=157)	0.22	0.31	0.31	
Centropages spp.		22%			4%								42%					%	6%			16%	8%					Hydrozoa (medusa (n=55-train=4052	0.21	0.62	0.32	
Echinodermata (larvae)				2%	2%	12%						71%			5%		2% 2											Centropages sp (n=50-train=3620	<i>'</i>	0.42	0.37	
Calycophorae (nectophore)		00.				20.		3%			3%	3%			70%	2.40.		1%				3%	00.					Echinodermata (larvae	0.00	0.00	0.00	0.6
Decapoda-brachyura (zoeae)		9%		60/		3%		3%		120	100	200	12%		6%	34%		0,				9%	9%					(n=42-train=3043 Calycophorae (nectophorae	9)	0.70		
Ctenophora (larvae)				6% 4%		13%				13%	199	4%			3%		10% 3						12%					(n=37-train=960 Decapoda-brachyura (zoeae	0.22		0.33	
Decapoda-non brachyura (larvae) Ostracoda				4%		36%	4%			75	3%	4%					77	8%					12%				16%	(n=32-train=628 Ctenophora (larvae	0.51	0.34	0.32	
Tortanus spp.		4%			4%	J070	1/0			20	<b>7</b> 70	170	25%		21%	4%		0/0	33%		4%						10/0	(n=31-train=42	2) 0.55	0.10	0.15	0.4
Ascidiacea (larvae)		1 0	4%		22%								25 (		210	1 0			33 0	74%	1 0							Decapoda-non brachyura (larvae (n=26-train=423	3)	0.77	0.56	
Oithona spp.		41%	6%		18%								6%							7 1 0	29%							Ostracod (n=25-train=25	a 0.29	0.08	0.12	
Pseudocalanus spp.																						100%						Tortanus spj (n=24-train=203		0.33	0.40	
Calanus spp.													17%				5(	)%				33%						Ascidiacea (larvae (n=23-train=86°	0.63	0.74	0.68	
Copepoda (nauplii)				25%				25%																50%				Oithona sp (n=17-train=588	0.01	0.29	0.02	0.2
Euphysa spp. (medusa)															100%													Pseudocalanus sp (n=7-train=4845	). 0.05	1.00	0.10	
Bryozoa (larvae)																												Calanus spj (n=6-train=359	<i>'</i>	0.00	0.00	
			Oito	Dogo	Site	CV CV	~ Cor	, G/2	Para	\( \sigma^{\alpha^2} \) \( \sigma^{\alpha} \)	Pin Po	1, 14	x Cel	ox Ech	. Coll.	Oec.	Chen	Dec Osta	Tory	Tsc:	Oizh	DS.	Cala	Cope Cup	Bryo	Harr	Plaz	(n=6-train=359 Copepoda (naupli	0.05	0.50	0.09	
	×	Acarta (la)	Oito	Podo.	n/p/cop	I Shall	The Spp.	ilcaeidae	noida (c	Calanus Sp.	Rivalvia (lana	Tychaeta (	TO TO A (II)	tropages sedusa)	nodermox	Ophorae	Oda brook	Apoda no	Colla di		of Cod (1)	Pselial Taspo.	ocalan,	Copepode (1, Spp.	Tauplis	Od (lan	acticoid	(n=4-train=11555) Euphysa spp. (medusa	5) 0.05			0.0
		9/	raej	2)	Pritile Pleaps	500	?		7.	Calanus Spp.	(drude)		ande)	"dusa)	nodermate	(lana)	Ctenophology (nectophore)	Decapoda non ita (taka)	brach,	, ,	(6)	Psellar Na Sp. Nae/	<b>'</b> S,	500	Physa Sp. (Pauplii)	medus	Per de	n=3-train=3	3) 0.00	0.00	0.00	
												Macina	,			.6)	nore	(toede)	94	ta (lan						39)		Bryozoa (larvae (n=1-train=114)	2) 0.00	0.00	0.00	
																				de	<i>'</i>						E)	Harpacticoida- epibenthi (n=0-train=55)	<u>c</u> –	-	-	
													Pı	edicte	ed Val	ues												Platyhelminthes/Nemertea (larvae (n=0-train=183		-	-	
																												macro avg (cori	0.35	0.45	0.35	

## Predictions of discarded taxa from training



**Predicted Taxa** 

Actual discarded Taxa

Relative Abundance of Top Taxonomic Instances per Sample

