Use of SCN features: Yes

Actual Values

Max learning objects: 20000 objects/class Strategy N° 4

## PA Selected Samples prediction using PA training set, Learning with selected samples classes with no low regional training instances, with extra 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

										Jonnas		iatitx		perce	111 01 7	Tetad	t vate									precision	recall	f1-score	
Cirripedia (larvae)	76%	1%	<1%	15%	<1%	1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%		<1%	1%	1%	<1	%			<1%	<1%	<1%	Cirripedia (larvae) (n=3231-train=6358)	0.92	0.76	0.84	
Acartia spp.	1%	80%	<1%	<1%	<1%	<1%	6%	<1%	9%					<1%		<1%	<1%	<1	%	<	<1% <1%				Acartia spp. (n=2290-train=4410)	0.88	0.80	0.84	
Oikopleura spp.	2%	2%	82%	3%	2%	1%	<1%	<1%	1%		<1%	<1%	<1%	<1%	2%	3%	<1%	<1	% <	<1%	<1%	<1%		<1%	Oikopleura spp. (n=1773-train=4507)	0.82	0.82	0.82	
Podon/Pleopsis spp.	9%	2%	<1%	57%	<1%	11%	<1%	<1%	10%	<1%		2%	3%			<1%	2%					1%			Podon/Pleopsis spp. (n=607-train=3605)	0.33	0.57	0.42	
Fritillaria spp.	<1%	8%	52%	<1%	32%	2%	<1%		<1%			<1%	<1%		4%	<1%									Fritillaria spp. (n=475-train=844)	0.80	0.32	0.46	
Evadne spp.	8%	2%	<1%	11%		66%	<1%	<1%	4%		<1%	<1%	5%		<1%	<1%						<1%		<1%	Evadne spp.	0.55	0.66	0.60	
Corycaeidae	<1%	14%	2%	1%		1%	71%	<1%	5%					<1%		1%	<1%	<1% <1	%		<1%			<1%	(n=358-train=981) <b>Corycaeidae</b> (n=335-train=1760)		0.71	0.64	
Calanoida (ci-ciii)	17%	17%	<1%	14%		4%	10%	11%	9%			3%			10%							3%		<1%	(n=335-train=1760)  Calanoida (ci-ciii)				
Paracalanus spp.	<1%	7%	<1%	1%		2%	<1%		82%					<1%		<1%	<1%				3%				(n=150-train=313)	0.55	0.11	0.16	
Gastropoda (larvae/Limacina)	6%	5%		50%		4%		2%	3%	20%	7%	2%	<1%		<1%							<1%			Paracalanus spp. (n=141-train=1525)	0.24	0.82	0.37	
Bivalvia (larvae)				14%			1%				76%											1%		8%	Gastropoda (larvae/Limacina) (n=126-train=291)		0.20	0.32	
Polychaeta (larvae)	25%	6%		17%		5%	3%		6%			23%	5%		2%	2%	3%	5%							Bivalvia (larvae) (n=96-train=119)	0.83	0.76	0.79	
Hydrozoa (medusa)			2%	2%		4%			2%				84%			5%	2%								Polychaeta (larvae) (n=65-train=661)		0.23	0.25	
Centropages spp.		26%	2%				2%		2%			2%		20%		2%	8%	16% 16	%		4%				Hydrozoa (medusa) (n=55-train=301)	0.38	0.84	0.53	
Echinodermata (larvae)	2%			17%	2%	50%						2%	14%			10%						2%			Centropages spp. (n=50-train=119)	0.26	0.20	0.23	
Calycophorae (nectophore)								3%					8%			78%	5%	5%							Echinodermata (larvae)	0.00	0.00	0.00	
Decapoda-brachyura (zoeae)				3%					6%					3%		6%	72%	9%							(n=42-train=2649)  Calycophorae (nectophore)	0.10	0.78	0.31	
Decapoda-non brachyura (larvae)		4%				4%							12%				12%	69%							(n=37-train=966)  Decapoda-brachyura (zoeae)				
Tortanus spp.	4%	4%												8%		25%	12%	12% 33	%						(n=32-train=343)	0.23	0.72	0.35	
Ascidiacea (larvae)			61%																36	19%					<b>Decapoda-non brachyura (larvae)</b> (n=26-train=219)	0.44	0.69	0.54	
Oithona spp.		65%	6%		12%									12%				6%							Tortanus spp. (n=24-train=88)	0.27	0.33	0.30	
Pseudocalanus spp.									43%							14%		14%			29%				Ascidiacea (larvae) (n=23-train=54)	0.90	0.39	0.55	
Copepoda (nauplii)	25%			50%				25%																	Oithona spp. (n=17-train=44)	0.00	0.00	0.00	
Bryozoa (larvae)																									Pseudocalanus spp. (n=7-train=65)	0.12	0.29	0.17	
	Cirripe	Acar	Tio Spp.	Pley, Podo	Printe	Mari Chal	The Soly	. Cala	Project	Cala Cast	Bivali	Polye	han Hydr	Centre	Chino	Callico Callico	Decap	Decapor	Tanus	Ascidiac	Oithong School	Coper	Bryotos	Harpacti Platy	Copepoda (nauplii) (n=4-train=233)		0.00	0.00	
Bryozoa (larvae)													0.00	0.00	0.00														
						<i>√</i> 0.						Limac	in.	y	9		Vaey	Ophore)	Toode,	1941 (L			~ <i>9</i>		(n=1-train=50)  Harpacticoida- epibenthic (n=0-train=47)		_		
													ソ						7	4/	naej			E	xtra aining  Platyhelminthes/Nemertea (larvae)		_	_	
												Pı	redicte	ed Valu	ıes										asses Platynetmintnes/Nemertea (larvae) (n=0-train=145)	_	-	-	
																									macro avg (corr)	0.42	0.46	0.39	
																									weighted avg	0.78	0.71	0.73	

## Predictions of discarded taxa from training





