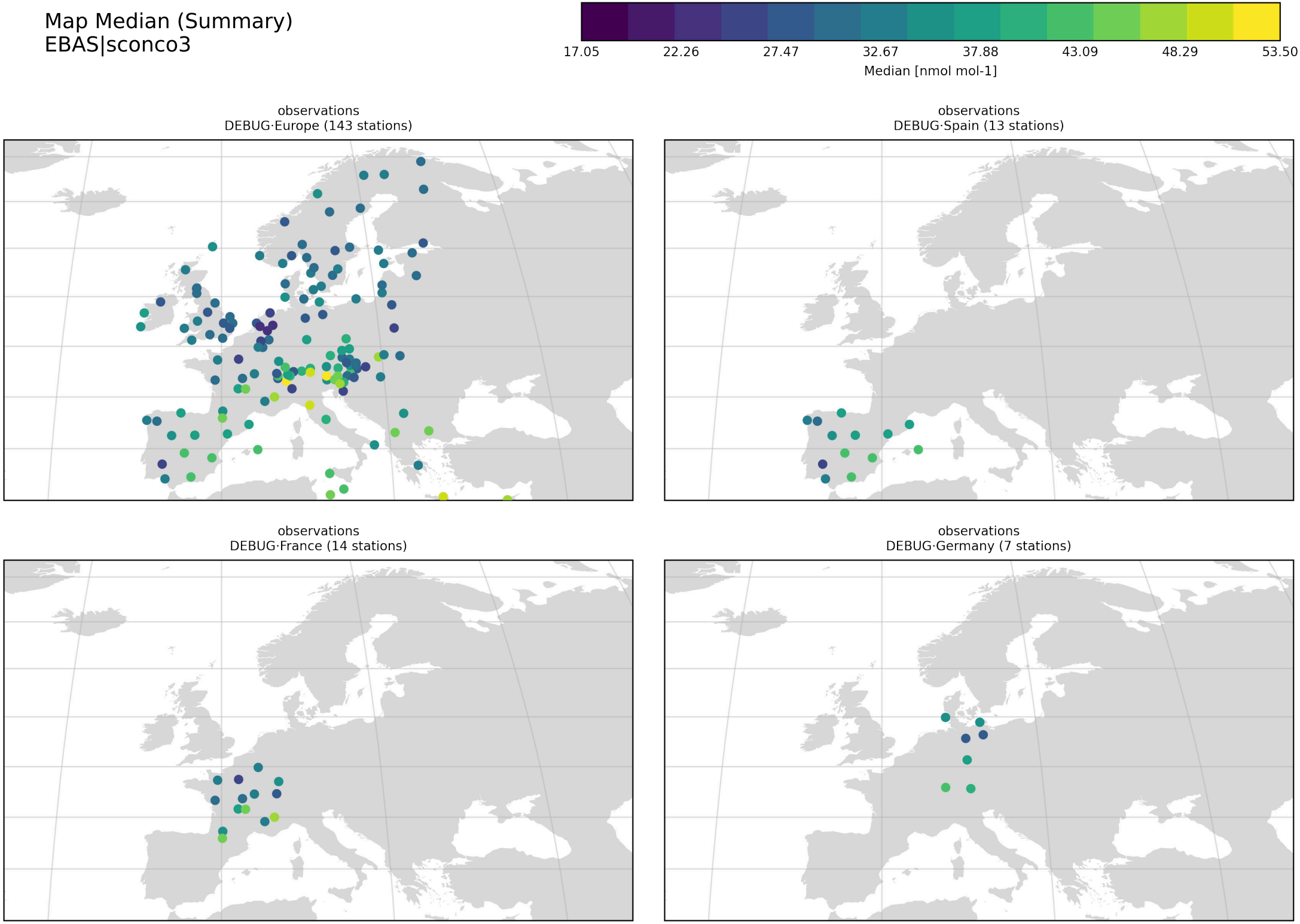
Providentia Report

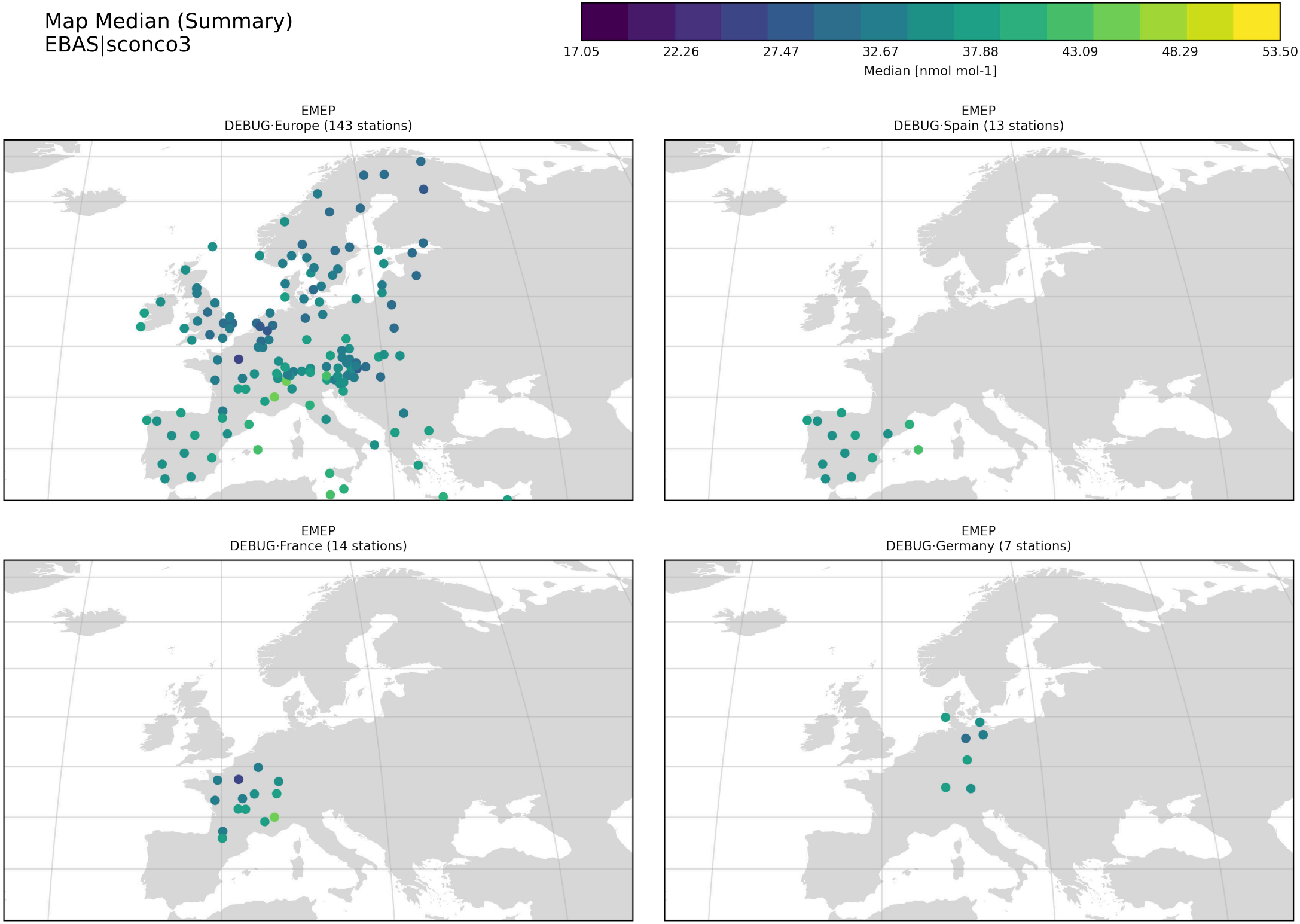
Network : ['EBAS']
Species : ['sconco3' 'sconcno2']
Temporal Resolution : hourly
Date Range : 20180101 - 20190101
Experiments : ['EMEP', 'MONARCH', 'SILAM']
Temporal Colocation : True
Spatial Colocation : False
Subsections : ['DEBUG·Europe', 'DEBUG·Spain', 'DEBUG·France', 'DEBUG·Germany']

StatSummary (Summary)
multispecies

observations
EMEP
MONARCH
SILAM

			Mean	StdDev	p5	Median	p95
sconco3	Europe	observations	32.91	11.84	13.30	32.80	54.46
		EMEP	33.96	8.47	18.77	34.14	47.72
		MONARCH	27.88	10.57	12.19	27.44	47.20
		SILAM	27.41	10.55	11.02	27.29	47.37
	Spain	observations	37.14	10.24	22.13	37.14	55.03
		EMEP	36.30	6.98	24.61	36.43	48.10
		MONARCH	34.56	8.88	21.43	33.95	51.45
		SILAM	33.64	9.58	18.37	33.25	49.69
	France	observations	34.26	11.73	13.85	34.00	57.00
		EMEP	35.80	7.98	20.88	35.86	47.50
		MONARCH	29.35	10.81	11.47	28.21	46.12
		SILAM	29.33	10.80	11.36	28.76	47.61
	Germany	observations	33.67	14.89	11.24	34.90	58.30
		EMEP	34.52	10.08	17.47	35.58	48.92
		MONARCH	26.74	12.56	6.73	27.10	47.00
		SILAM	28.81	11.95	8.92	29.04	48.23
sconcno2	Europe	observations	2.52	2.30	0.58	1.86	7.24
		EMEP	1.76	1.48	0.41	1.39	4.76
		MONARCH	3.15	2.50	0.48	2.45	8.13
		SILAM	3.35	3.12	0.37	2.31	9.48
	Spain	observations	1.28	1.06	0.27	0.94	3.47
		EMEP	0.75	0.49	0.22	0.64	1.64
		MONARCH	1.21	1.10	0.24	1.04	3.26
		SILAM	1.17	1.04	0.20	0.87	3.23
	France	observations	6.63	6.80	0.58	4.23	20.39
		EMEP	6.35	3.95	2.14	5.20	14.77
		MONARCH	7.58	5.41	1.32	6.21	18.07
		SILAM	8.46	6.91	1.31	6.23	22.29
	Germany	observations	2.65	2.36	0.44	1.97	7.28
		EMEP	2.00	1.62	0.44	1.56	4.97
		MONARCH	4.02	3.18	0.47	3.16	10.18
		SILAM	3.61	3.24	0.45	2.66	10.18


Map Median (Summary)
EBAS|sconco3
17.05
22.26
27.47
32.67
37.88
43.09
48.29
53.50
Median [nmol mol-1]
observations
DEBUG·Europe (143 stations)
observations
DEBUG·Spain (13 stations)
observations
DEBUG·France (14 stations)
observations
DEBUG·Germany (7 stations)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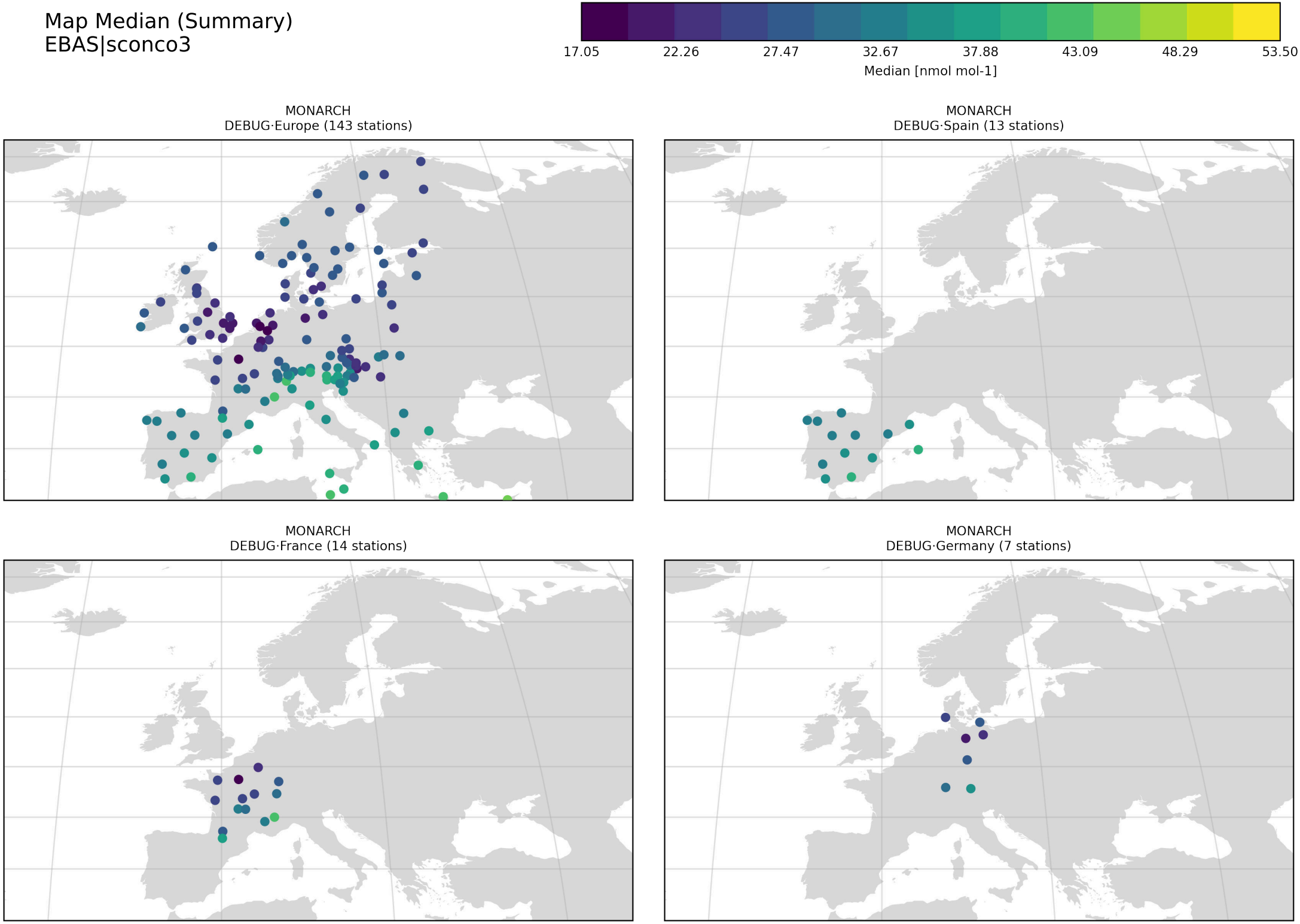
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Median [nmol mol-1]
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MONARCH
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MONARCH
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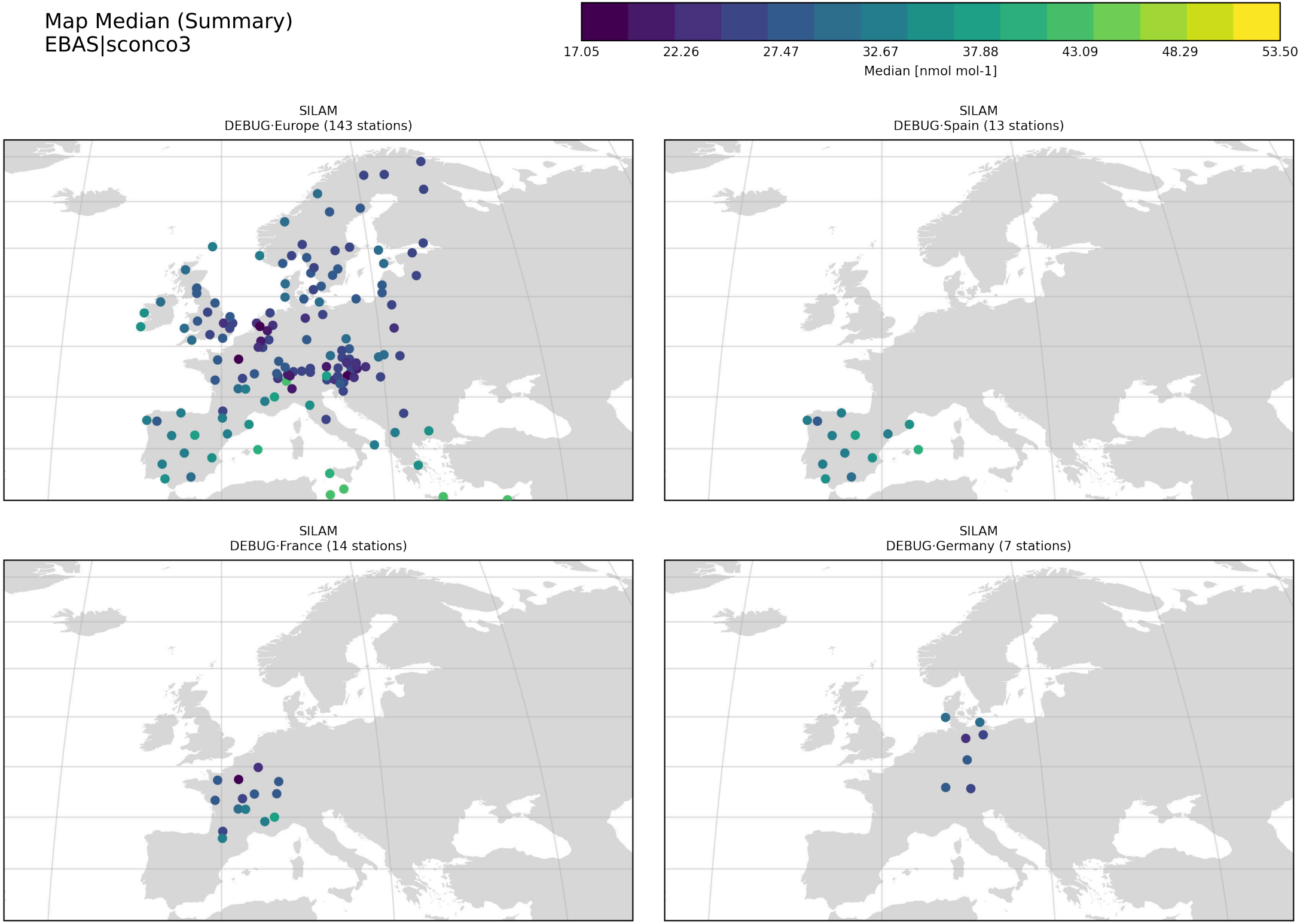
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Median [nmol mol-1]
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DEBUG·Europe (143 stations)
SILAM
DEBUG·Spain (13 stations)
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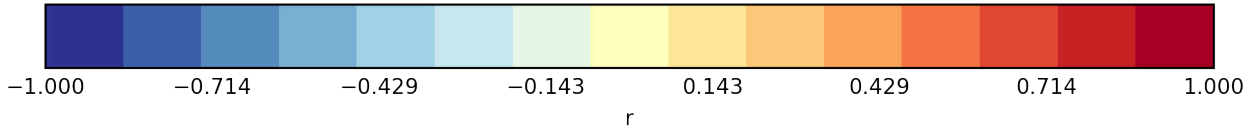
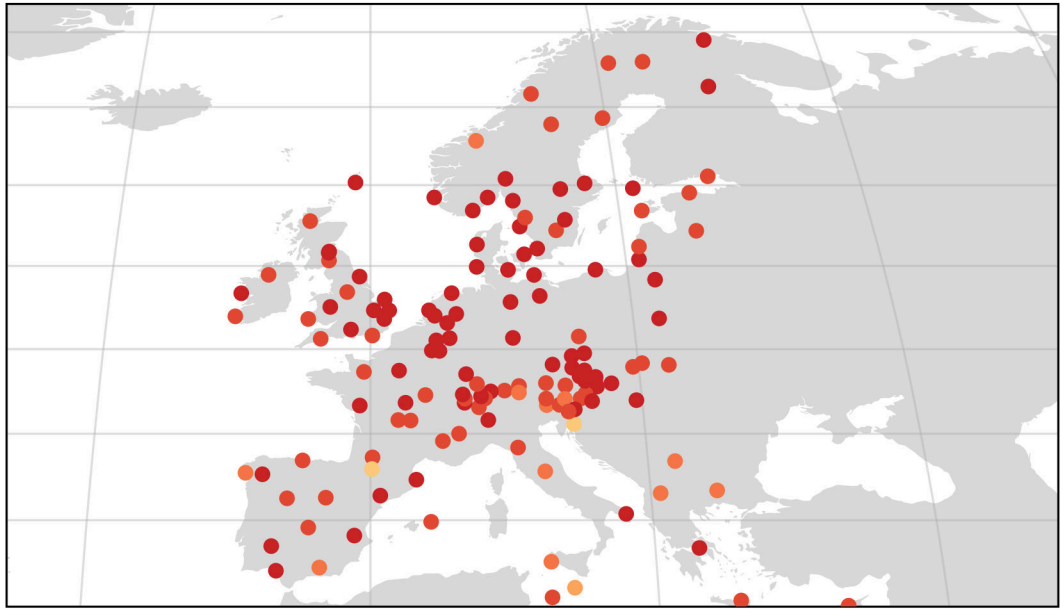
DEBUG·France (14 stations)
SILAM
DEBUG·Germany (7 stations)

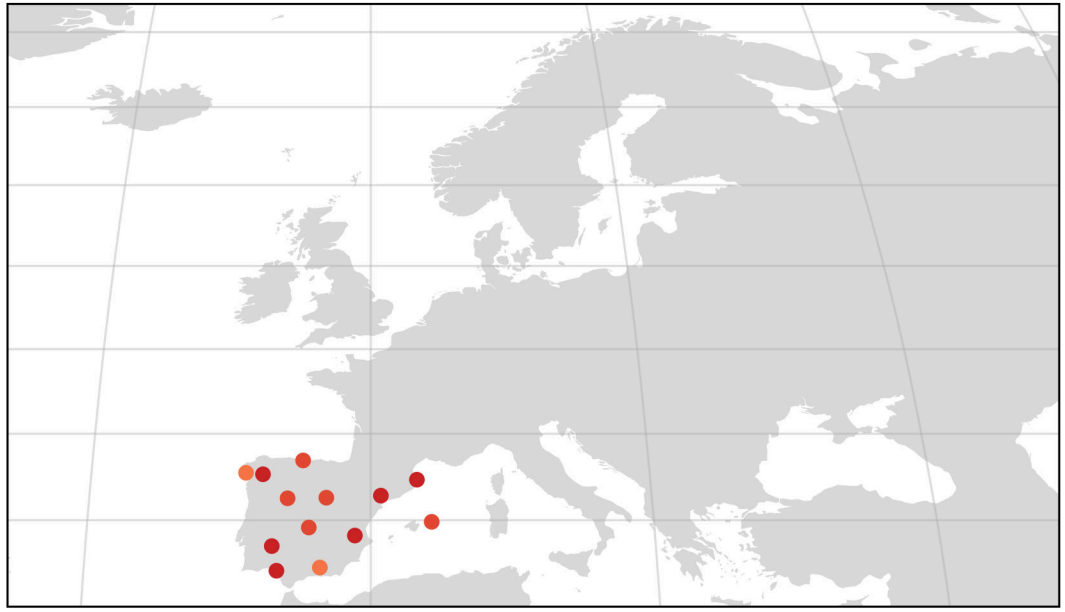
Map r (Summary)
EBAS|sconco3



EMEP
DEBUG·Europe (143 stations)



EMEP
DEBUG·Spain (13 stations)



EMEP
DEBUG·France (14 stations)

EMEP
DEBUG·Germany (7 stations)

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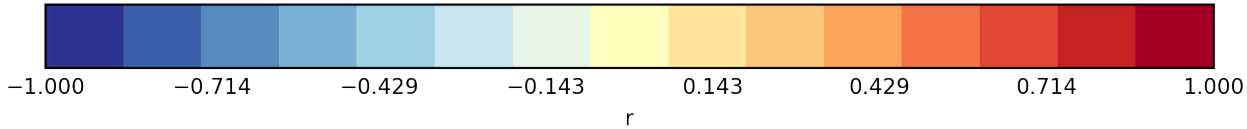
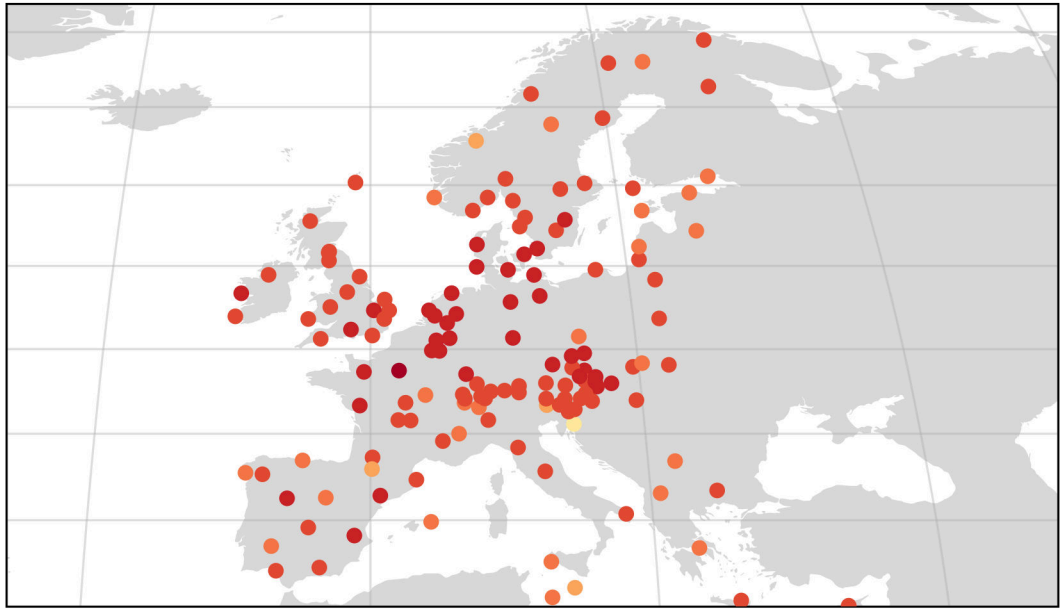
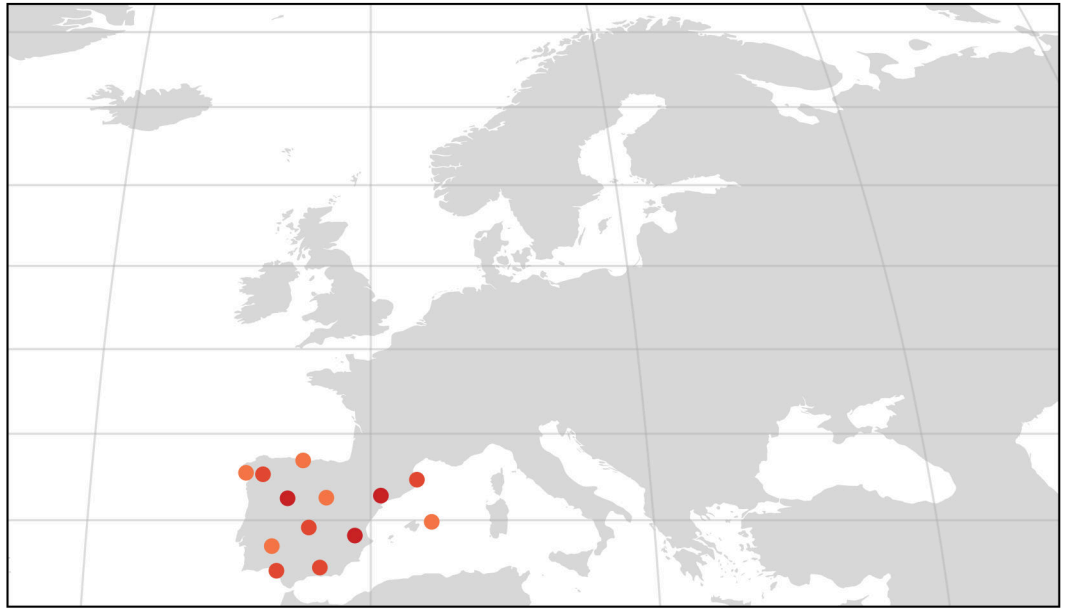
EBAS|sconco3



MONARCH
DEBUG·Europe (143 stations)



MONARCH
DEBUG·Spain (13 stations)



MONARCH
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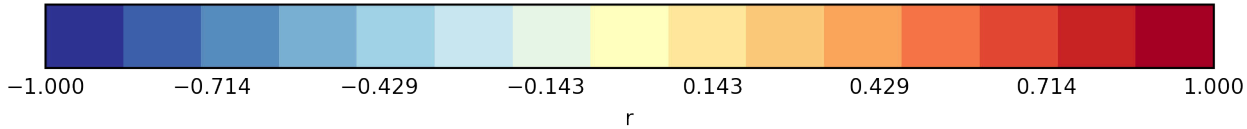
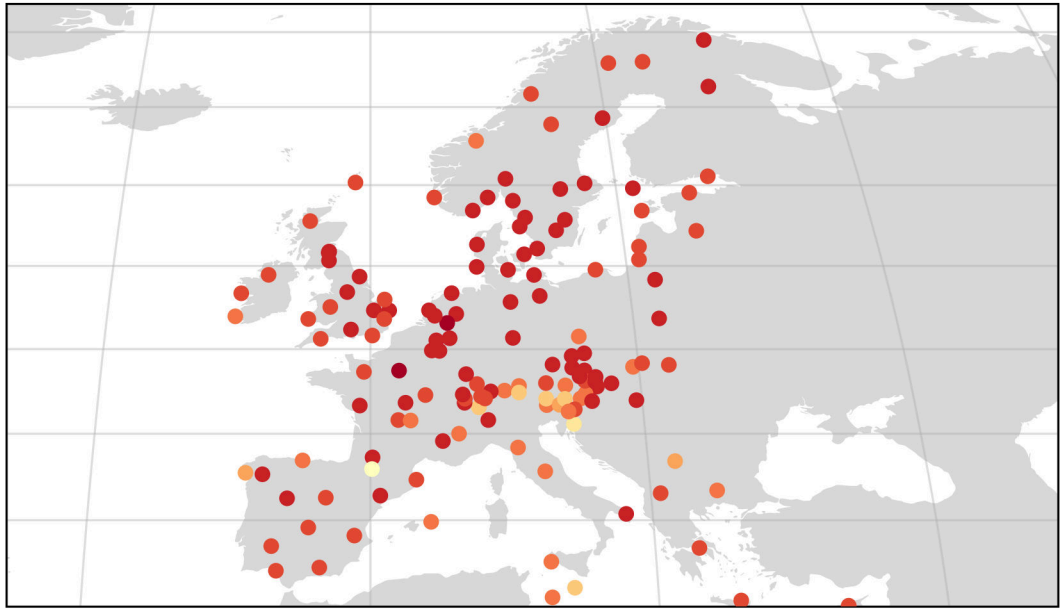
MONARCH
DEBUG·Germany (7 stations)

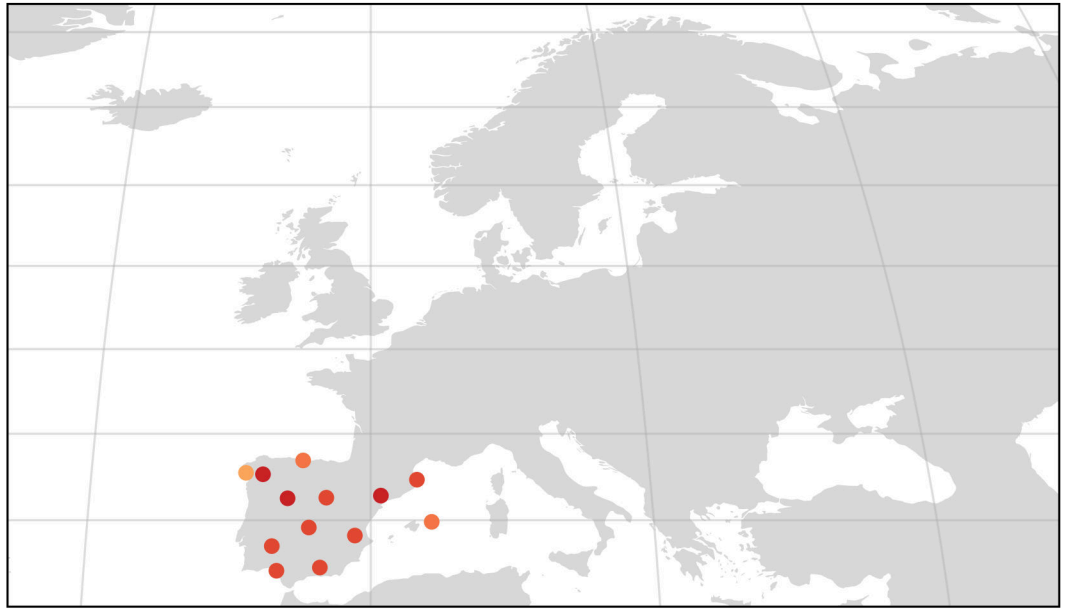
Map r (Summary)
EBAS|sconco3



SILAM
DEBUG·Europe (143 stations)



SILAM
DEBUG·Spain (13 stations)

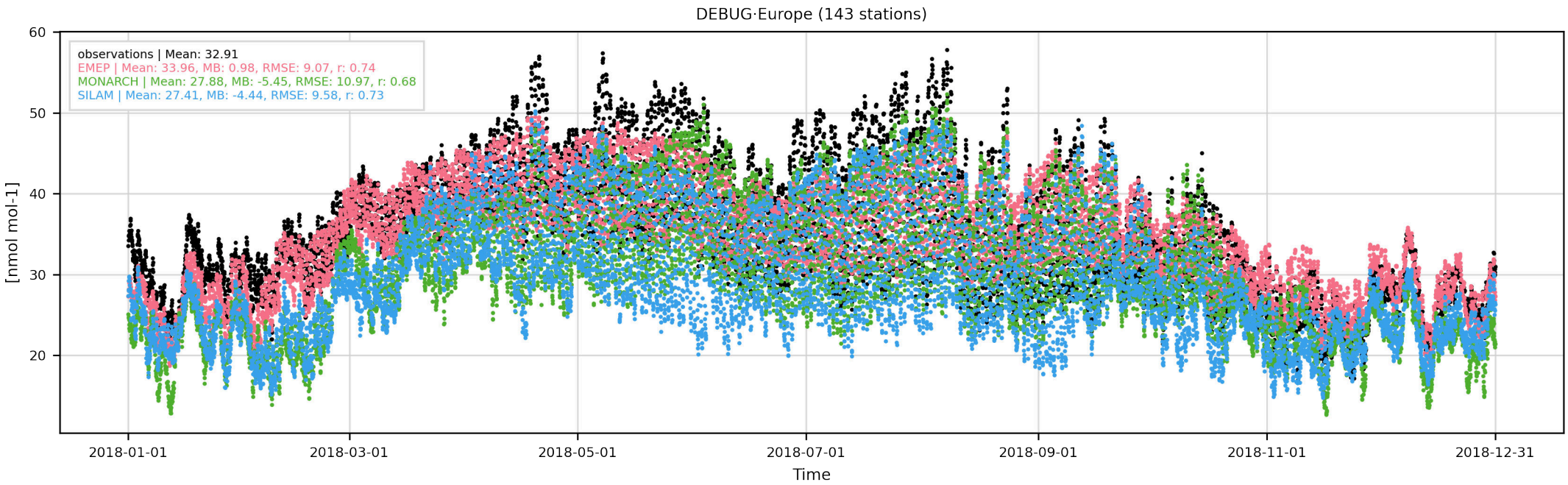


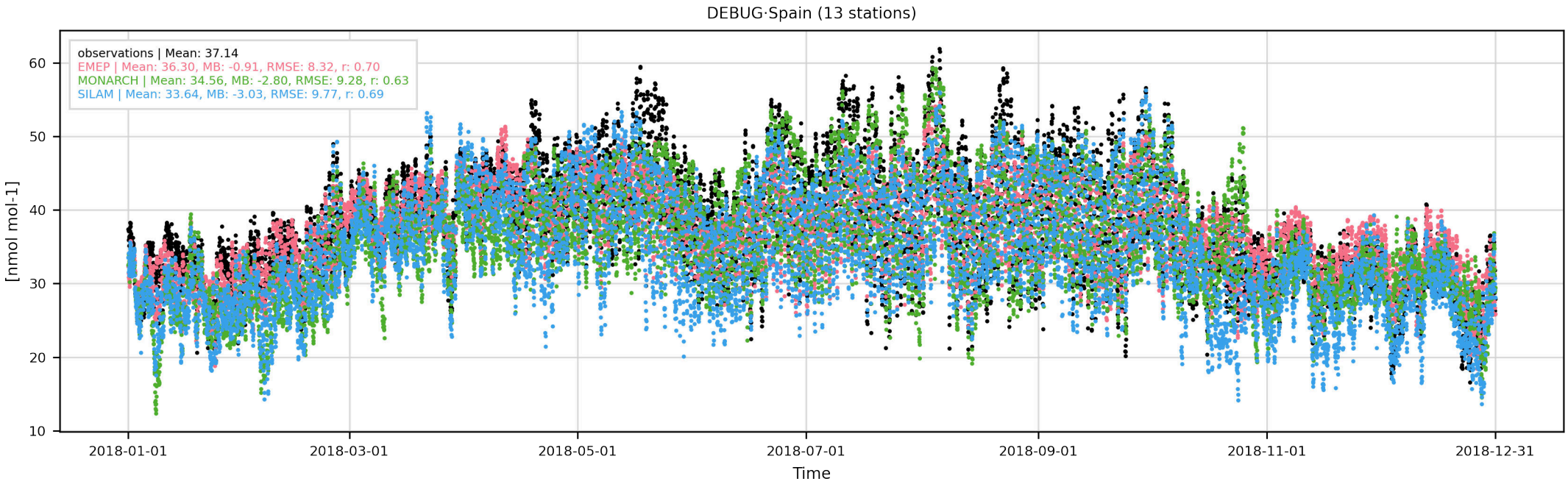
SILAM
DEBUG·France (14 stations)

SILAM
DEBUG·Germany (7 stations)

Timeseries (Summary)
EBAS|sconco3

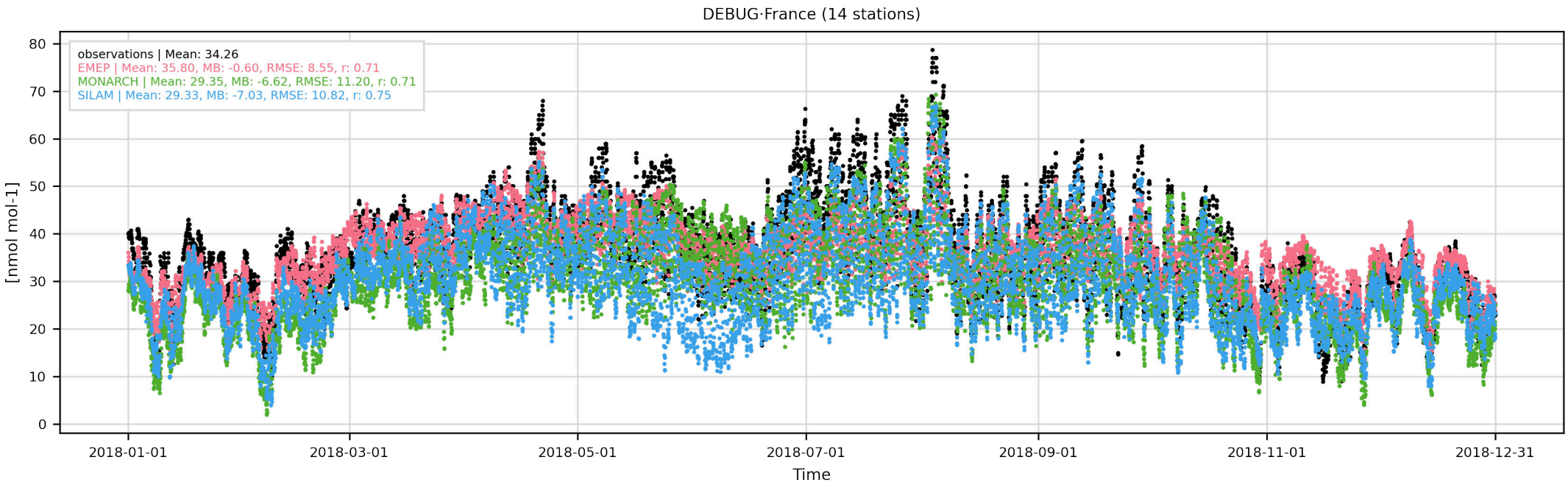
observations EMEP MONARCH SILAM

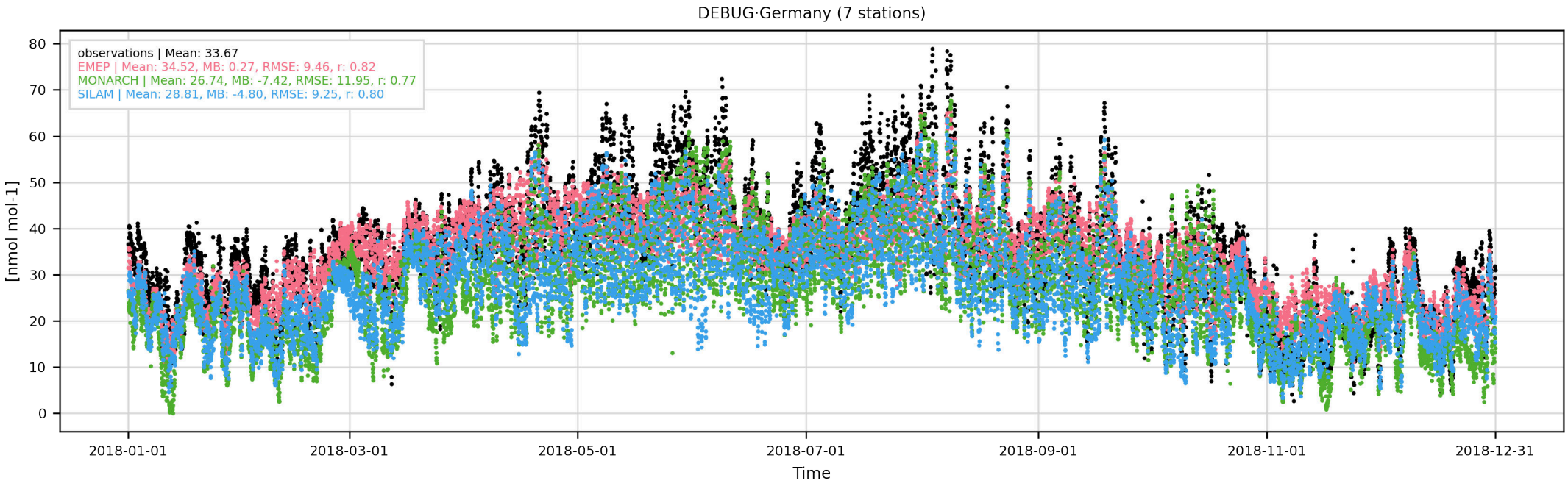




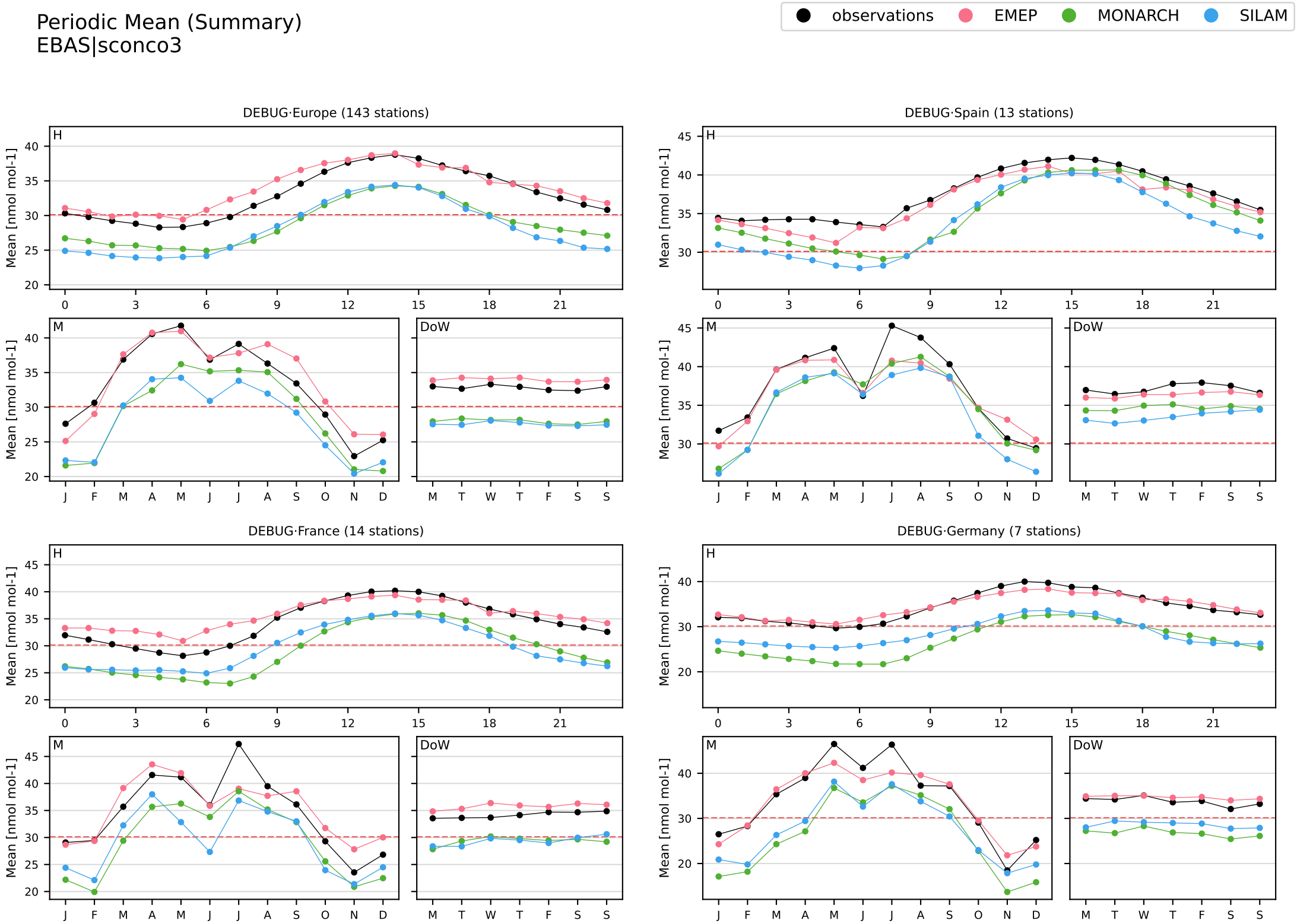
Timeseries (Summary)
EBAS|sconco3

observations EMEP MONARCH SILAM



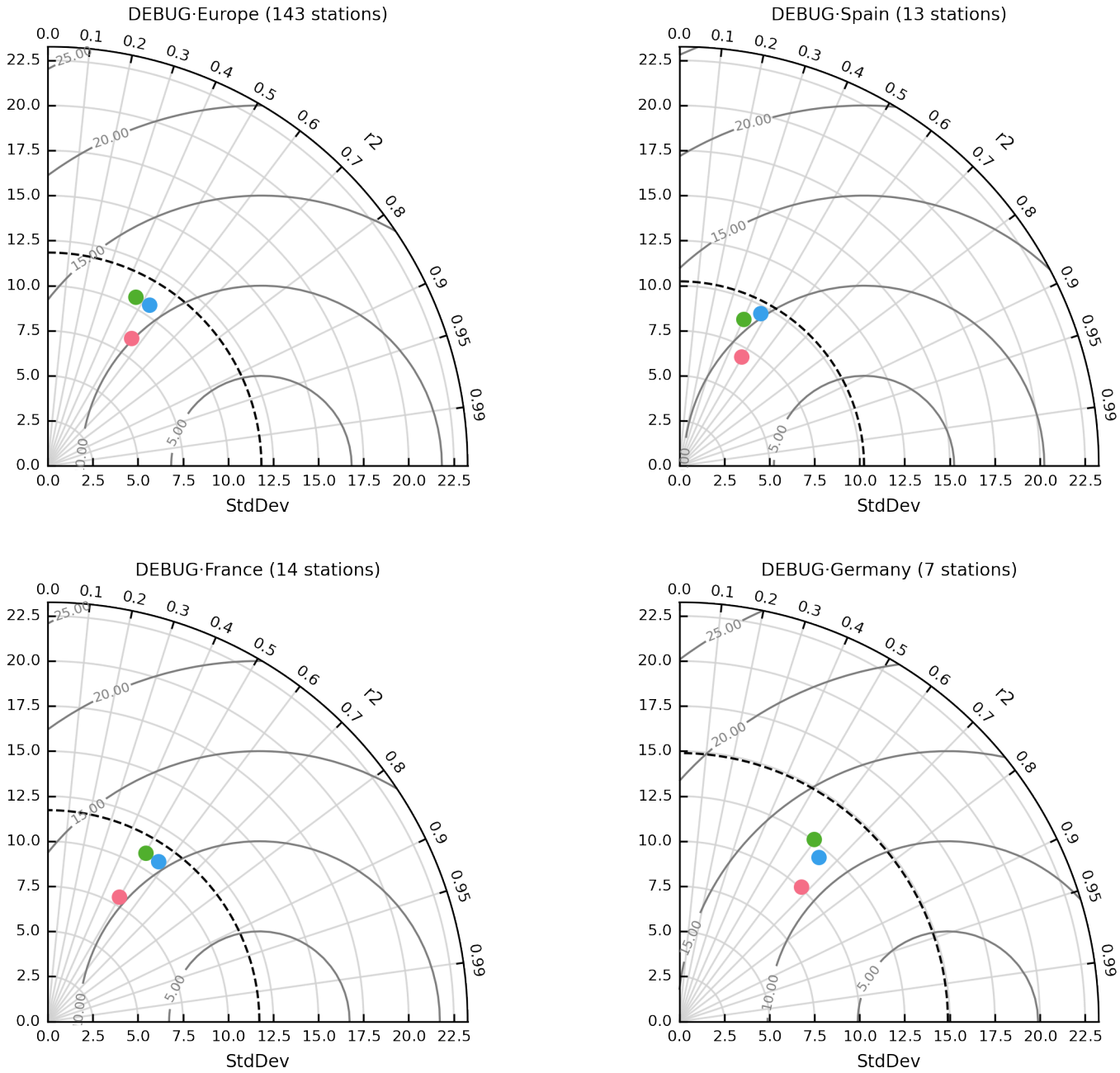


Periodic Mean (Summary)
EBAS|sconco3



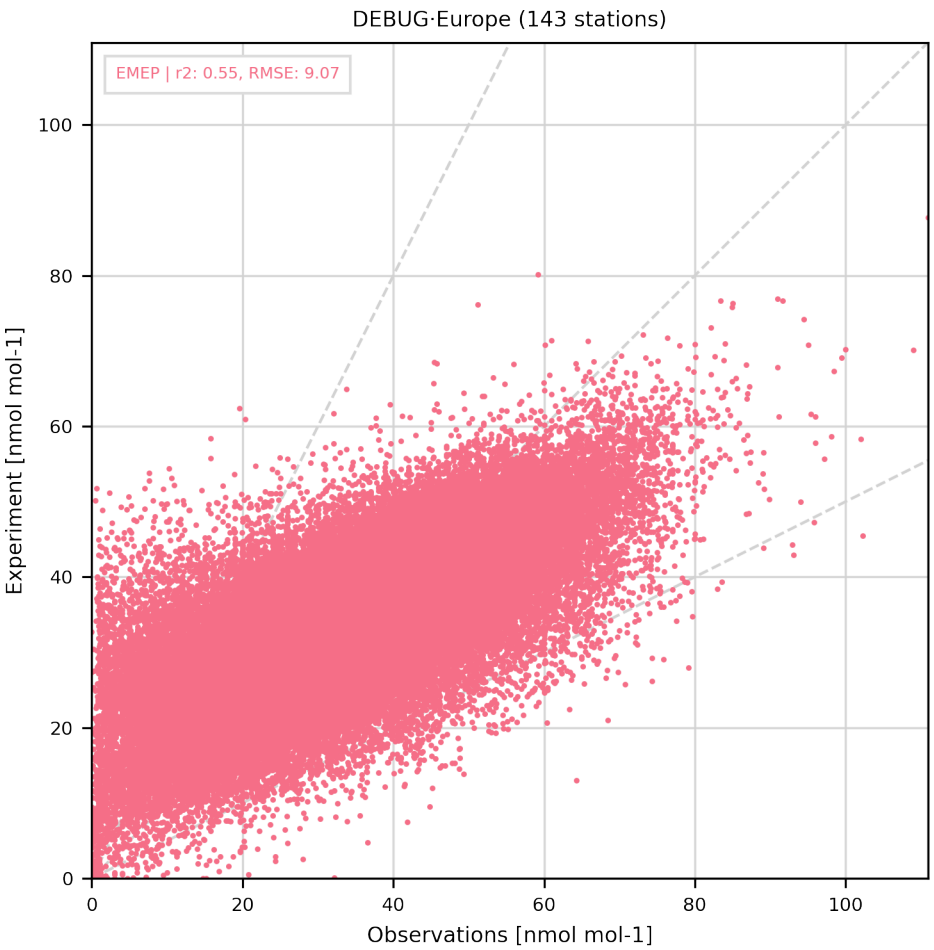
Taylor diagram r^2 (Summary)
EBAS|sconco3

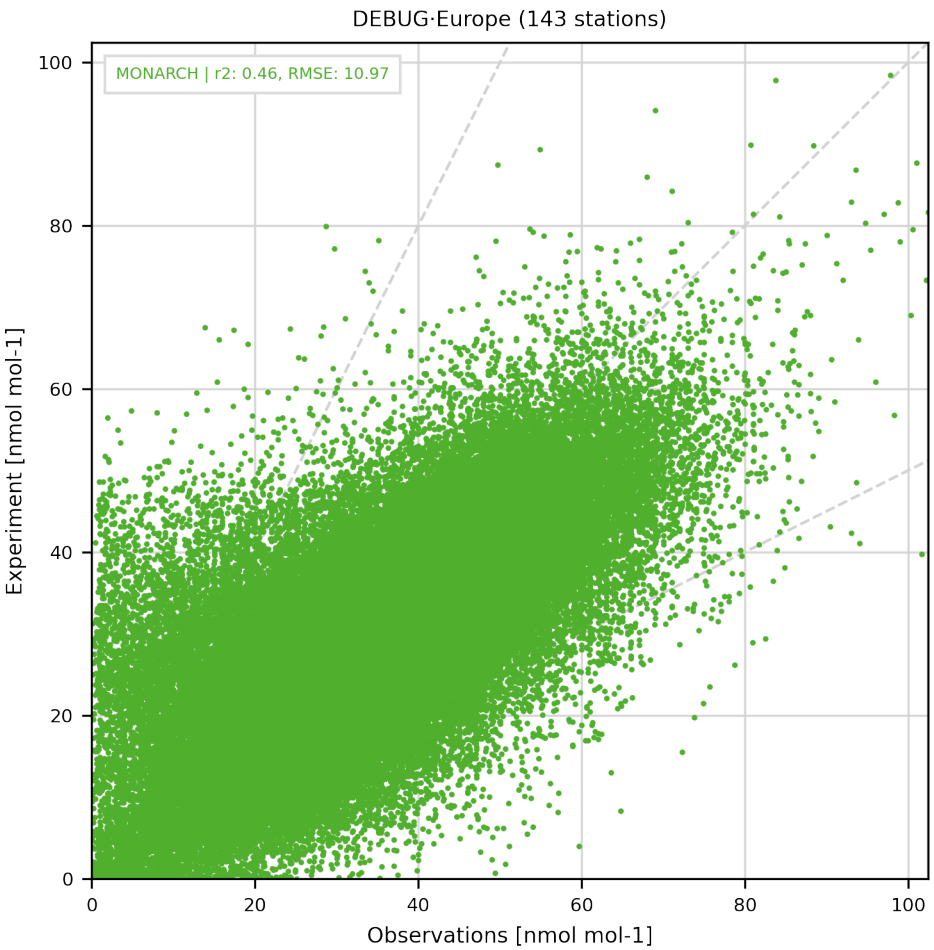
EMEP MONARCH SILAM



Scatter (Summary)
EBAS|sconco3

EMEP
MONARCH
SILAM





Scatter (Summary)
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EMEP
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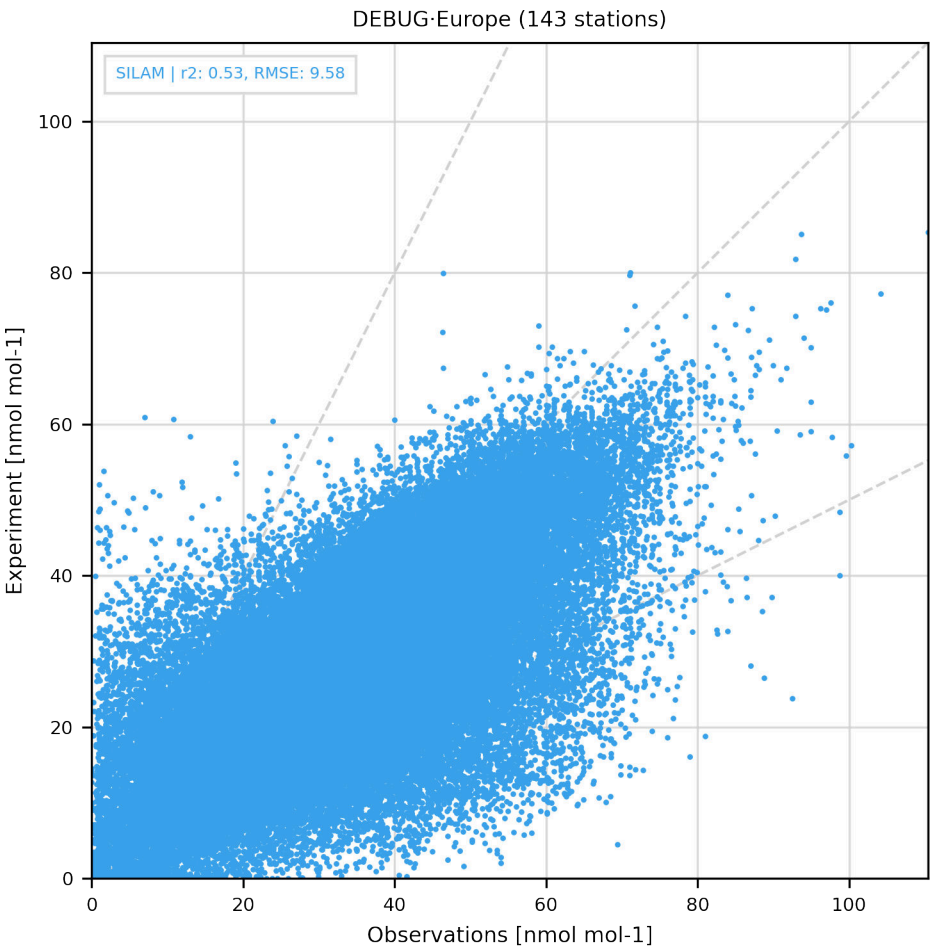
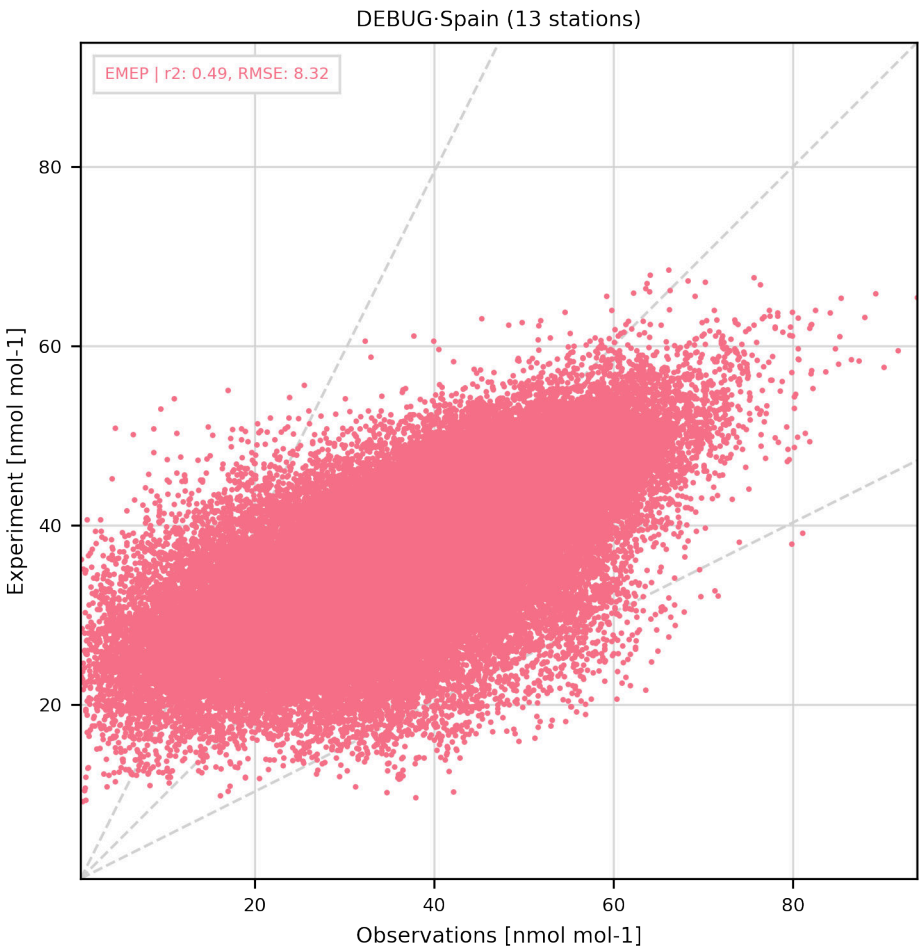
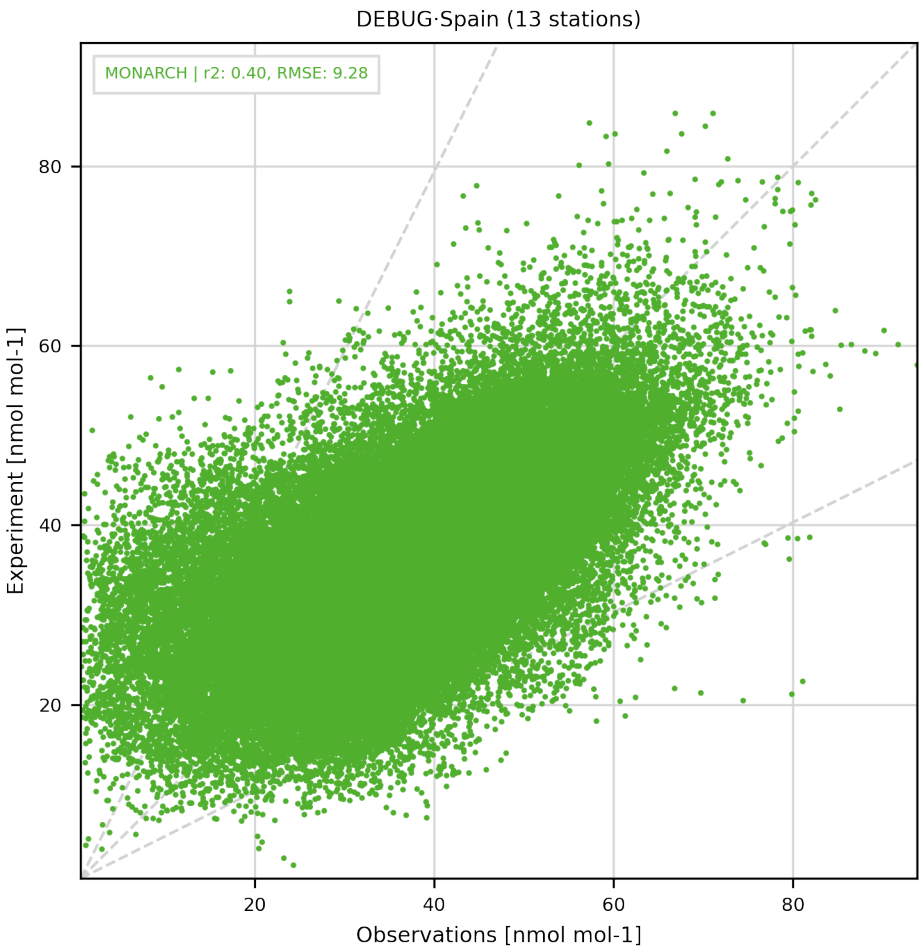
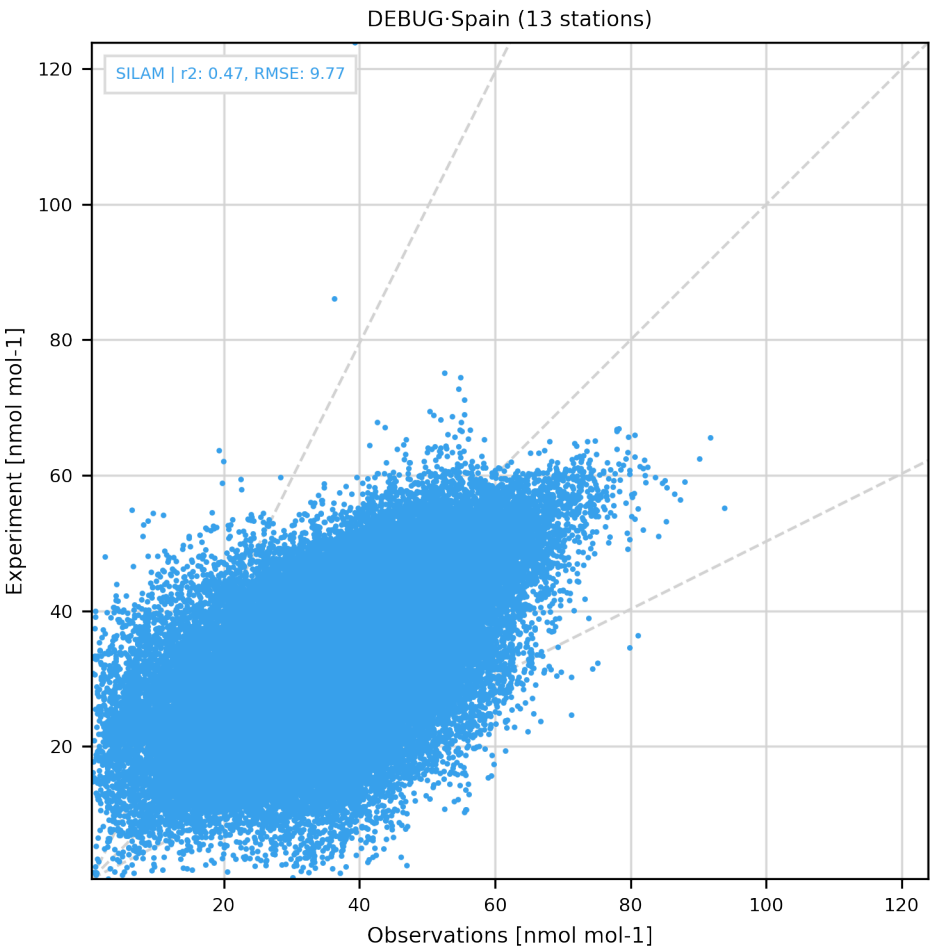




Scatter (Summary)
EBAS|sconco3

EMEP
MONARCH
SILAM





Scatter (Summary)
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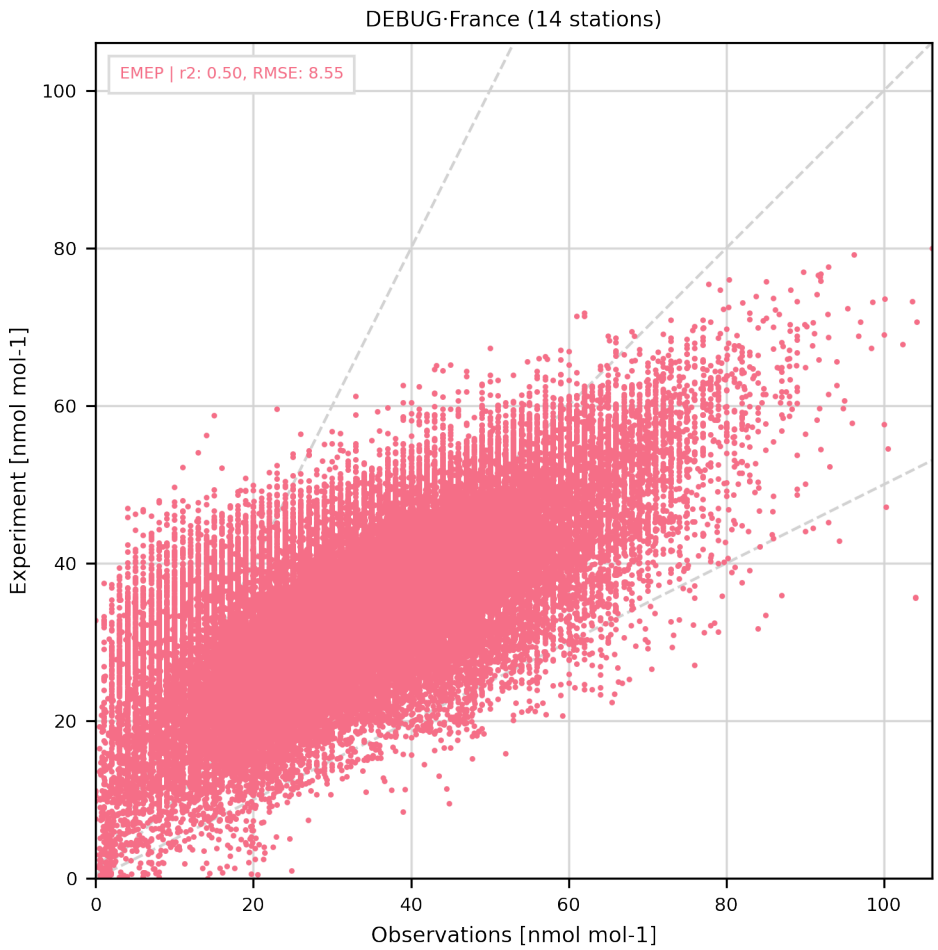

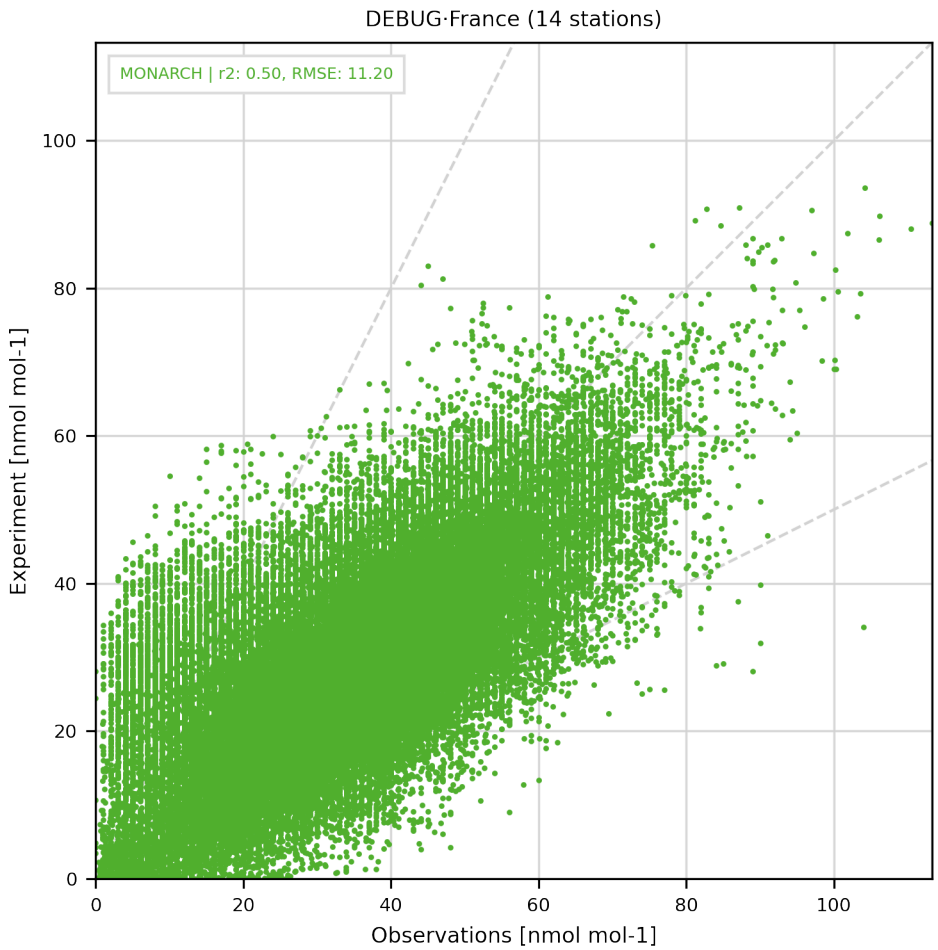

Scatter (Summary)
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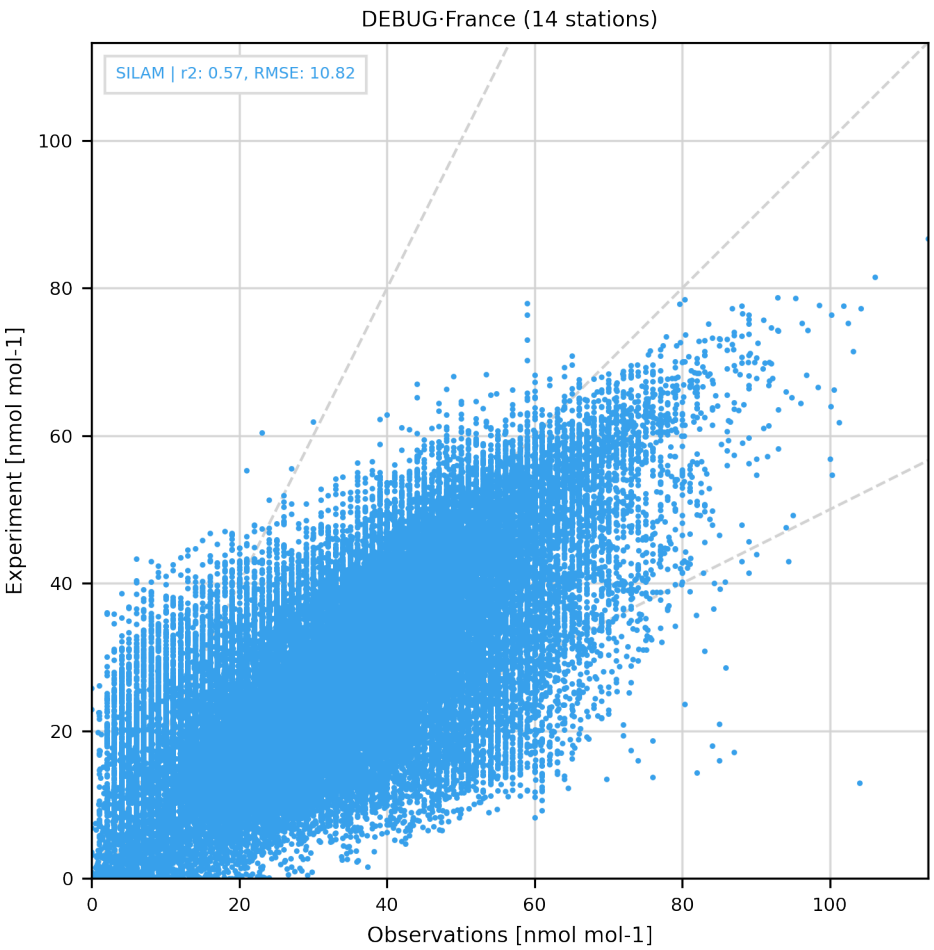

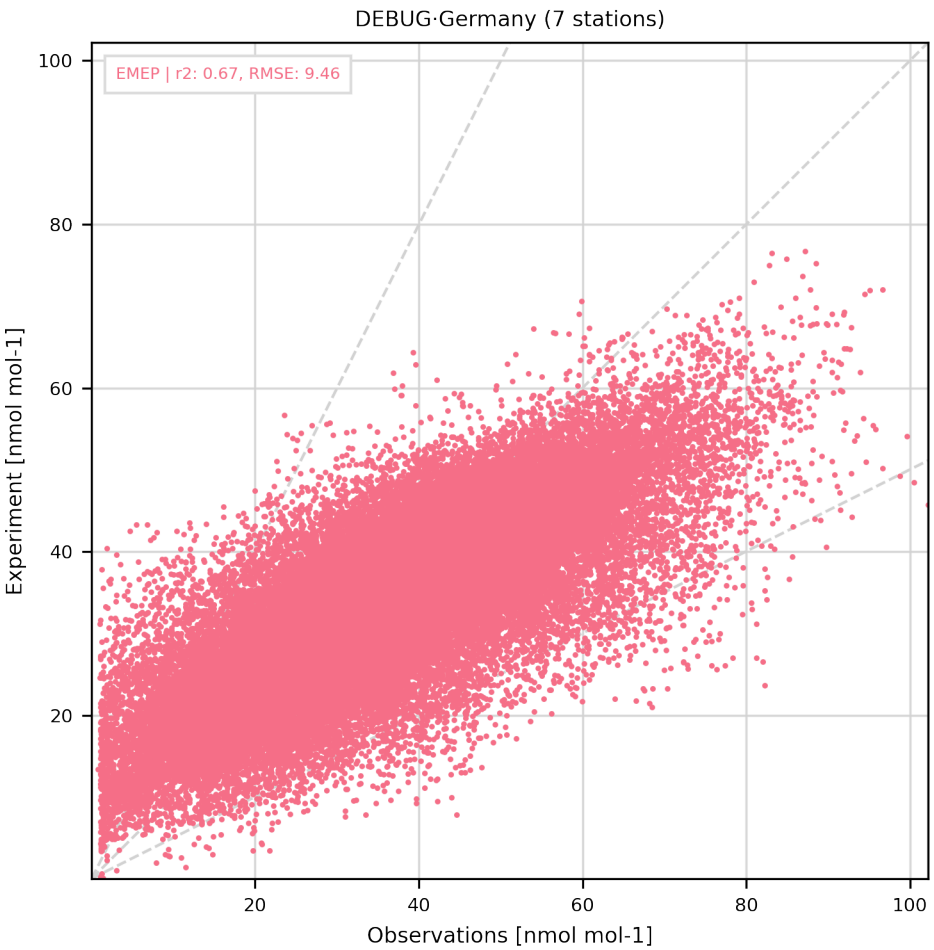

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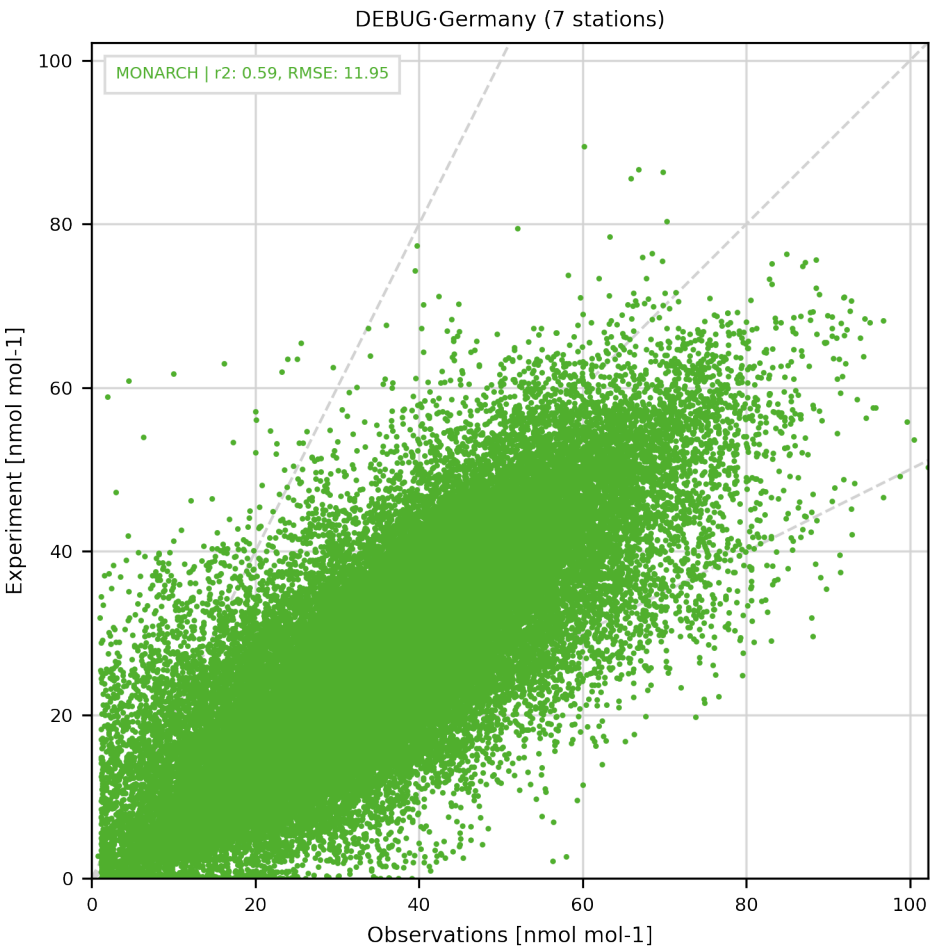

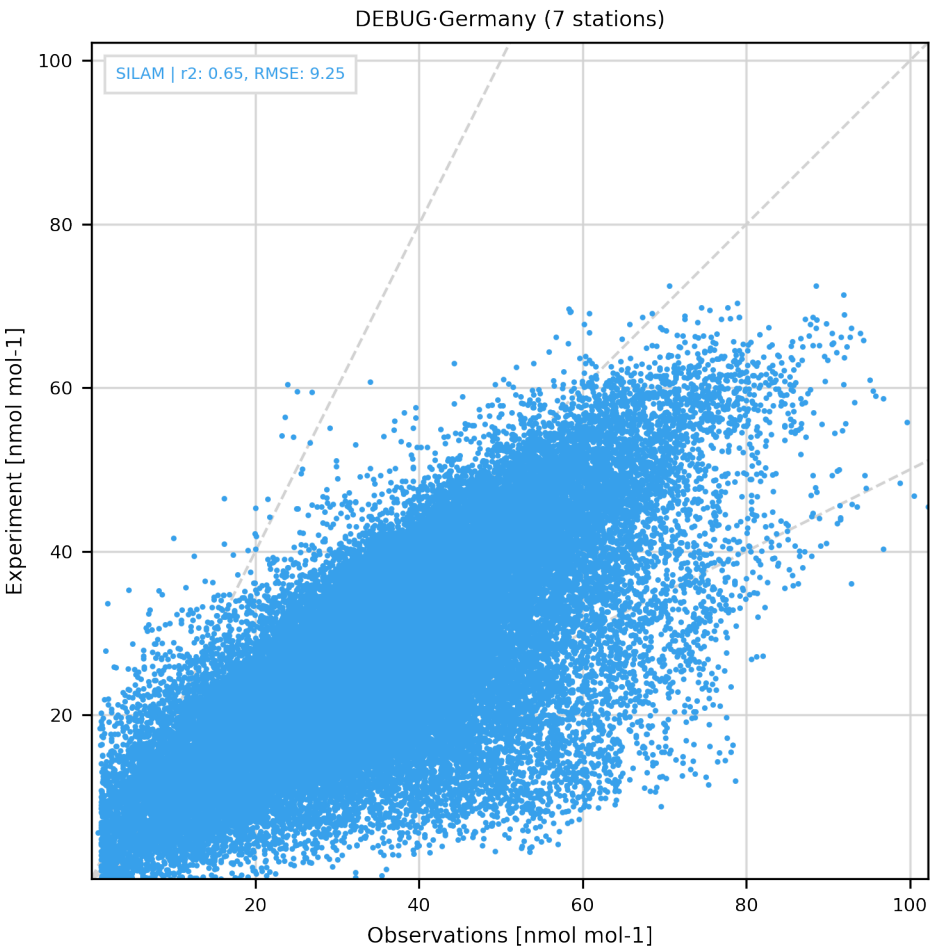

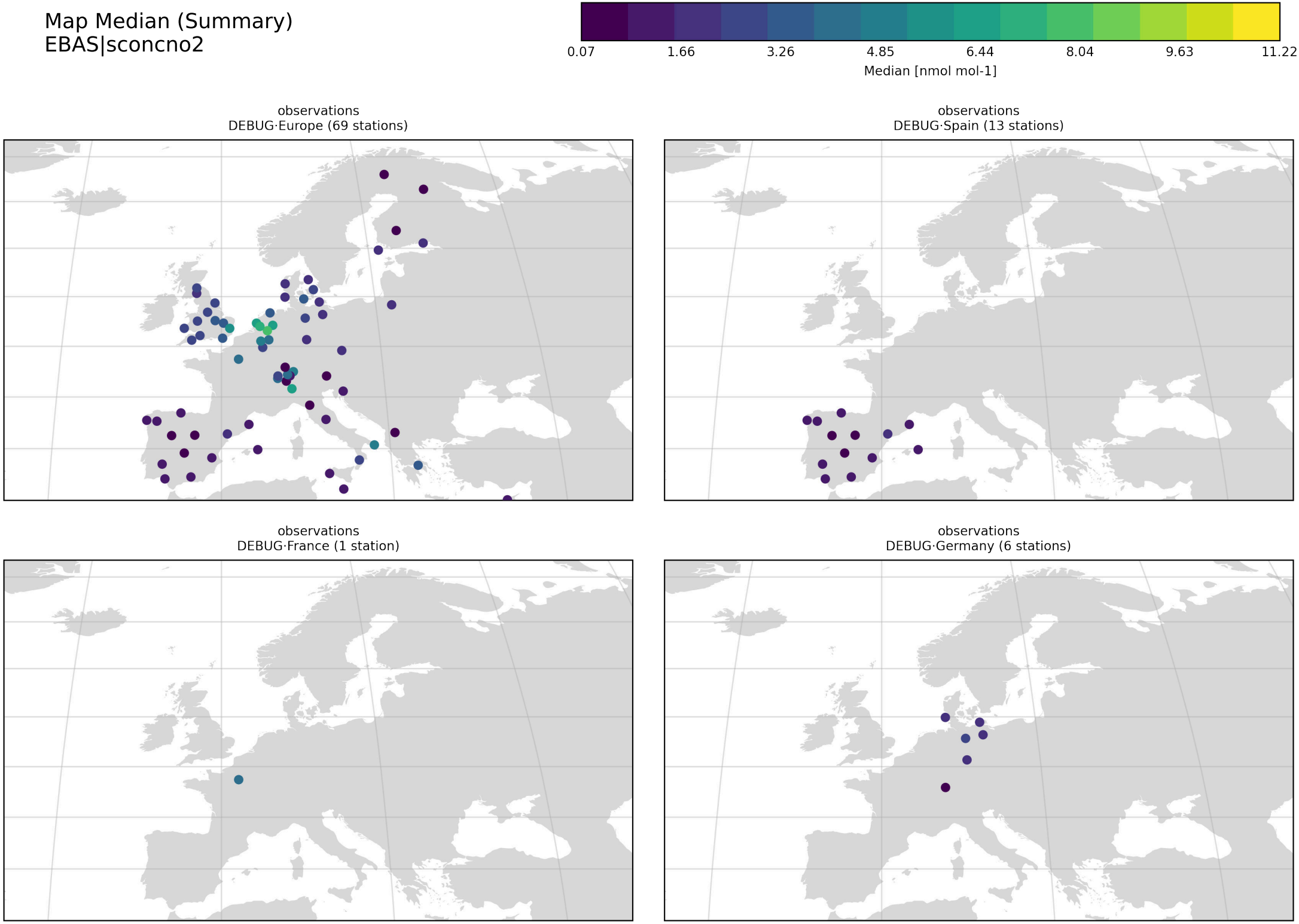
Map Median (Summary)
EBAS|sconcno2
0.07
1.66
3.26
4.85
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9.63
11.22
Median [nmol mol-1]
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DEBUG·Europe (69 stations)
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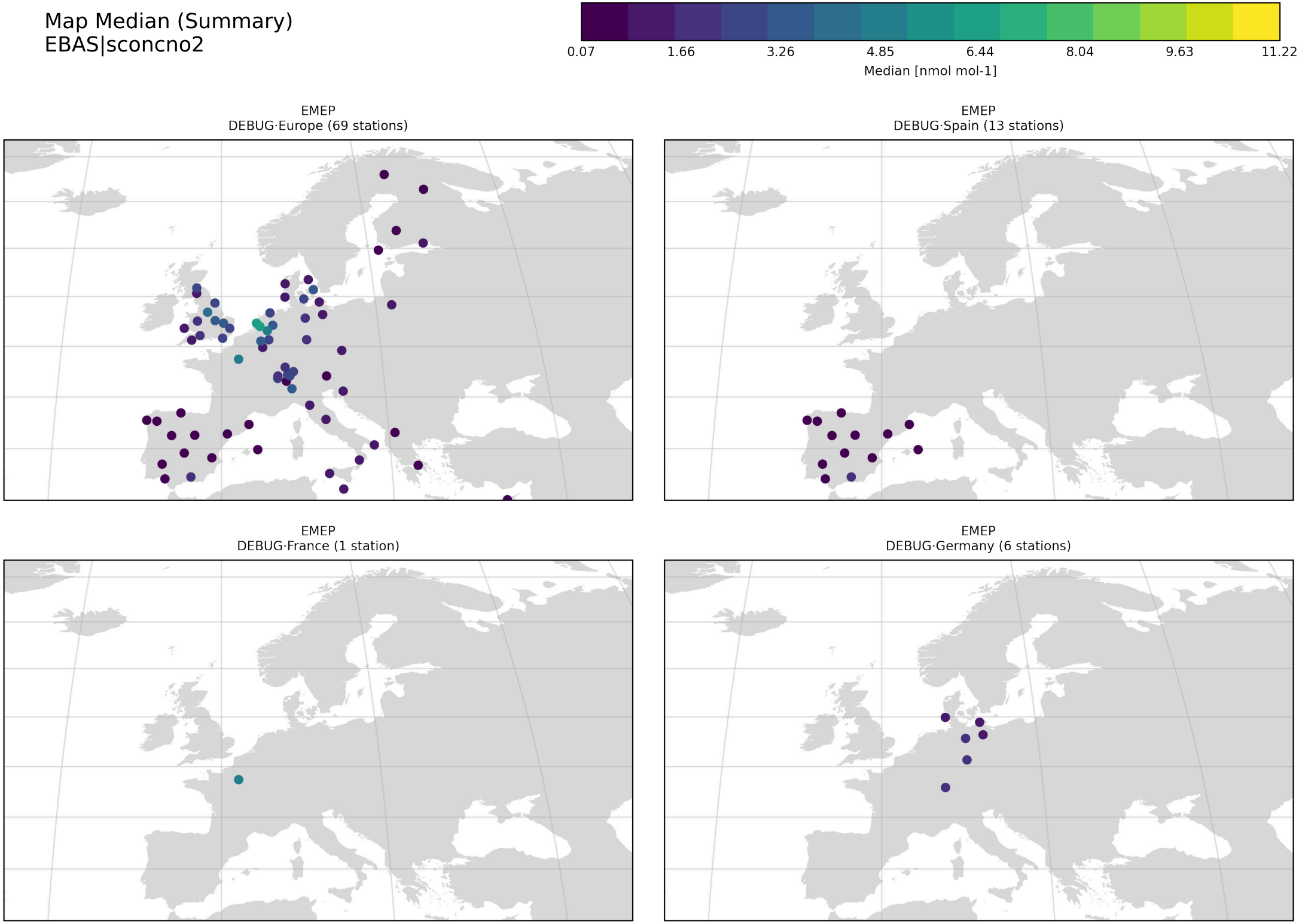
DEBUG·Spain (13 stations)
observations
DEBUG·France (1 station)
observations
DEBUG·Germany (6 stations)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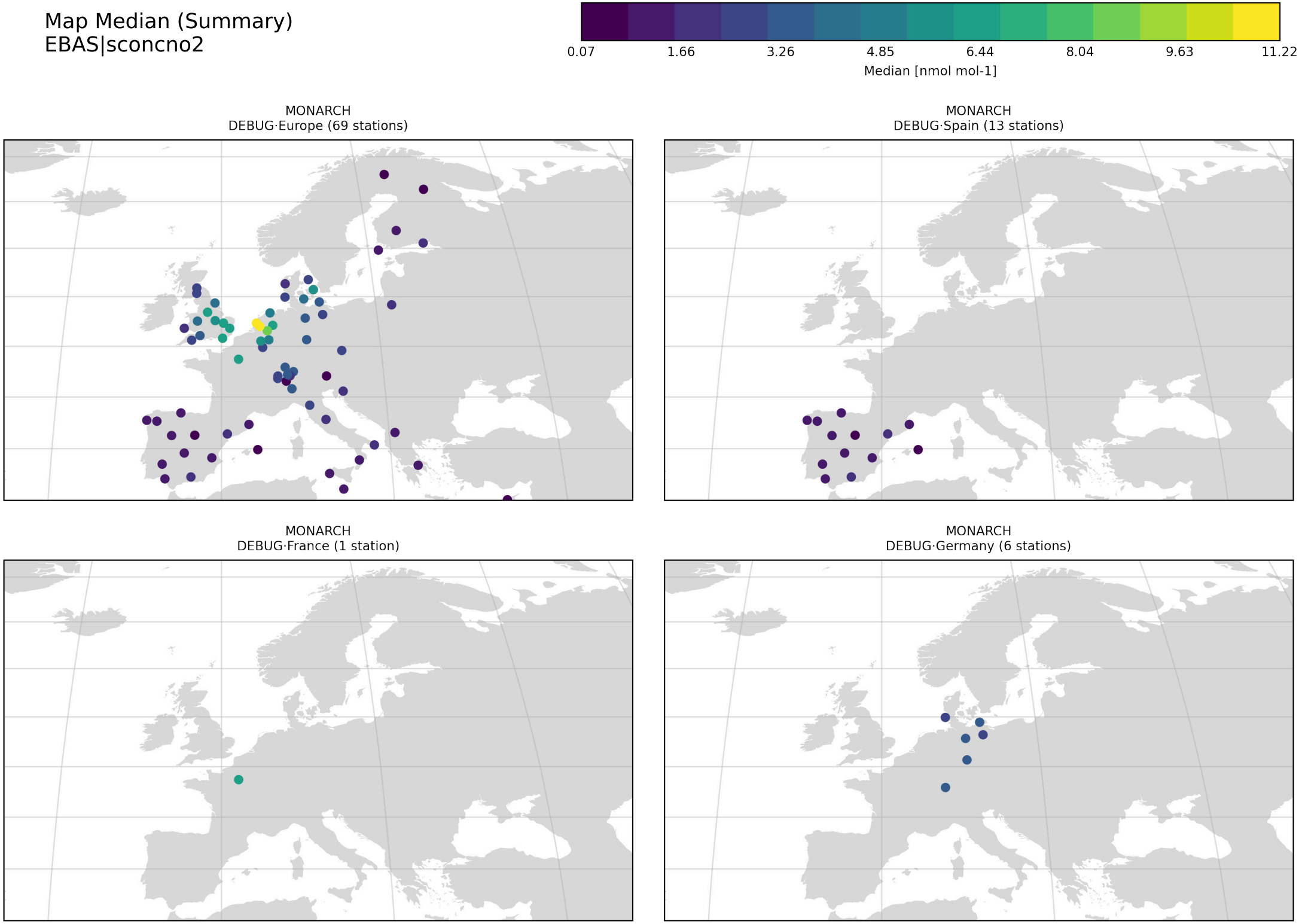
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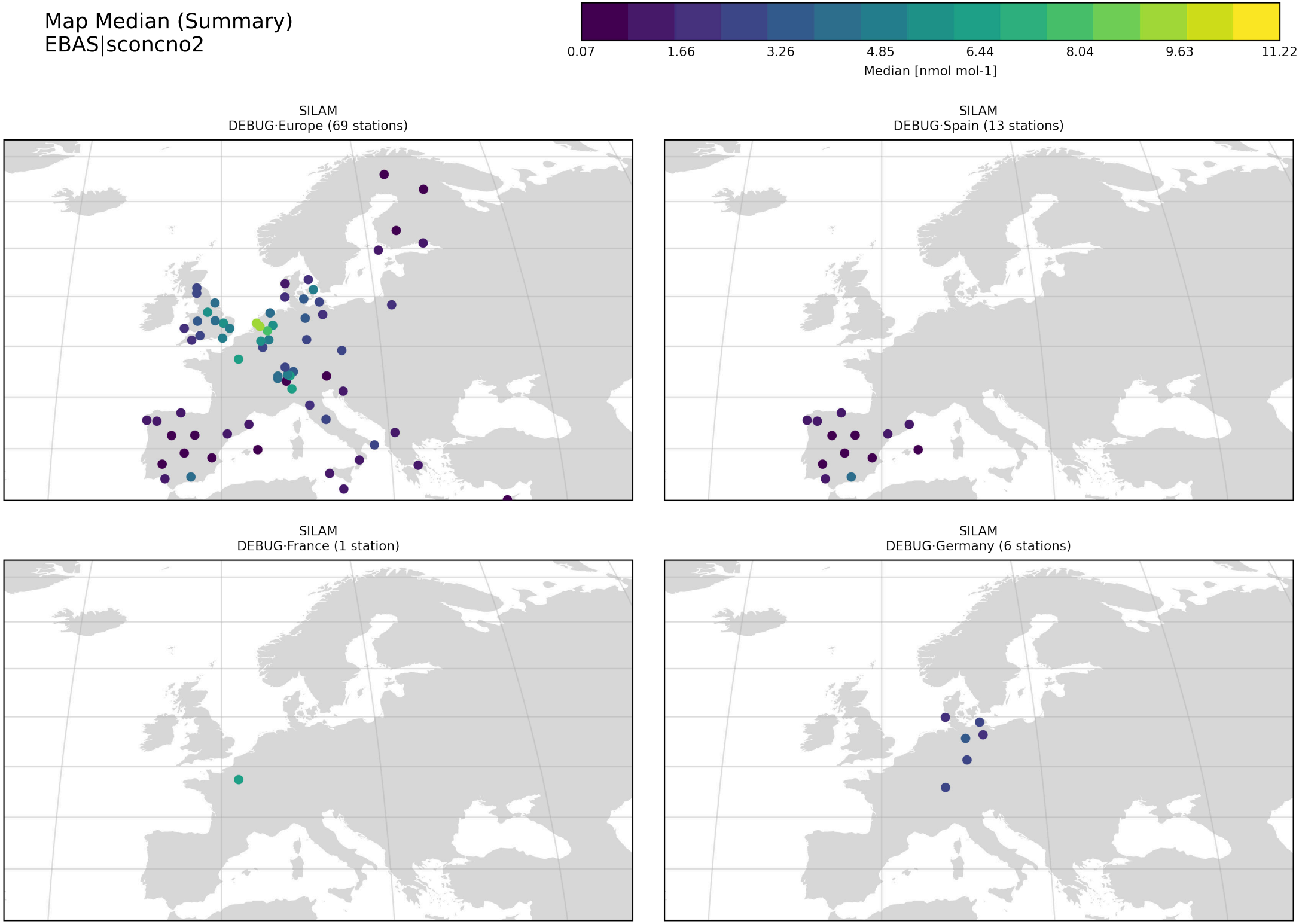
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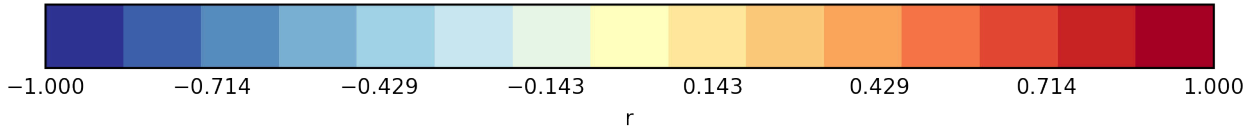
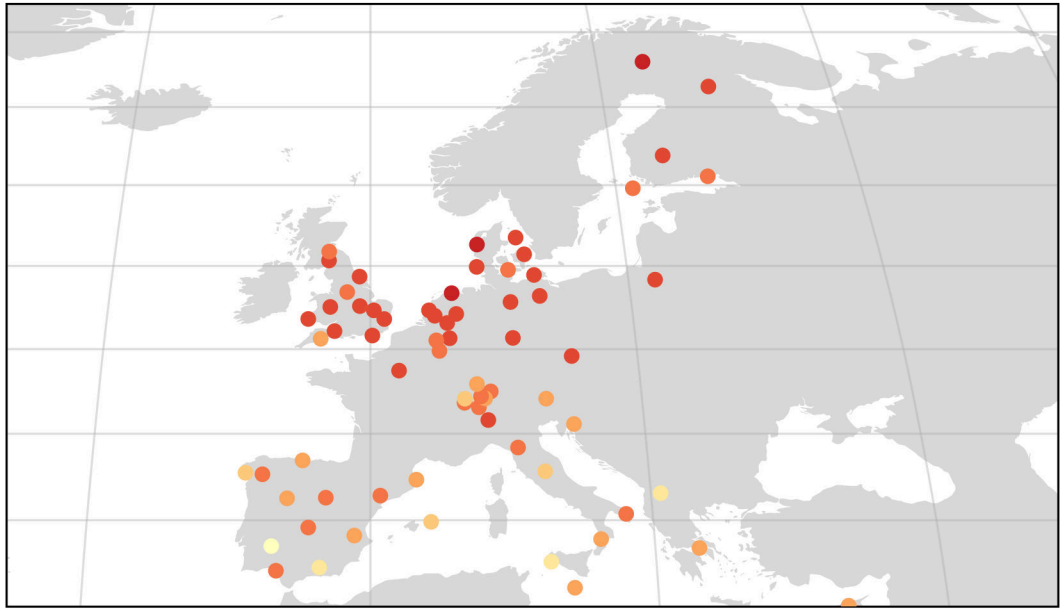
DEBUG·Europe (69 stations)
SILAM
DEBUG·Spain (13 stations)
SILAM
DEBUG·France (1 station)
SILAM
DEBUG·Germany (6 stations)

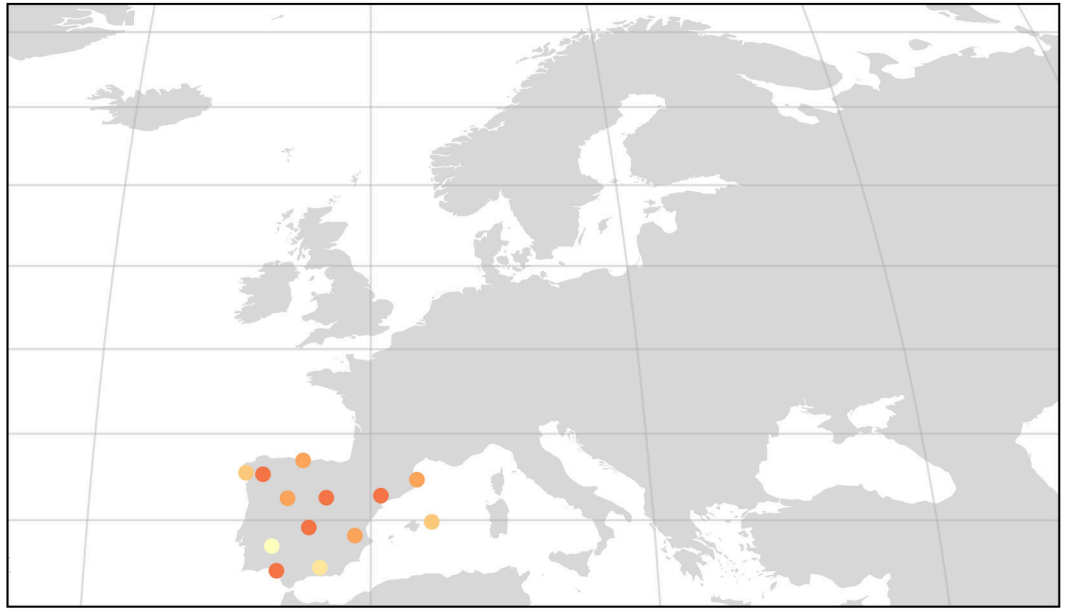
Map r (Summary)
EBAS|sconcno2



EMEP
DEBUG·Europe (69 stations)



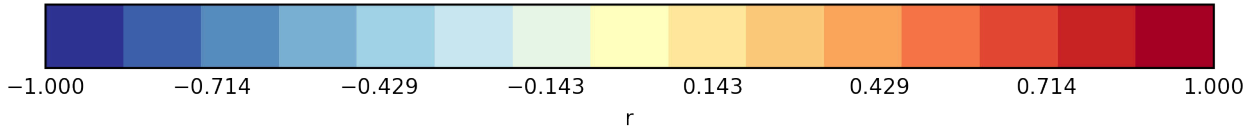
EMEP
DEBUG·Spain (13 stations)



EMEP
DEBUG·France (1 station)

EMEP
DEBUG·Germany (6 stations)

Map r (Summary)
EBAS|sconcno2



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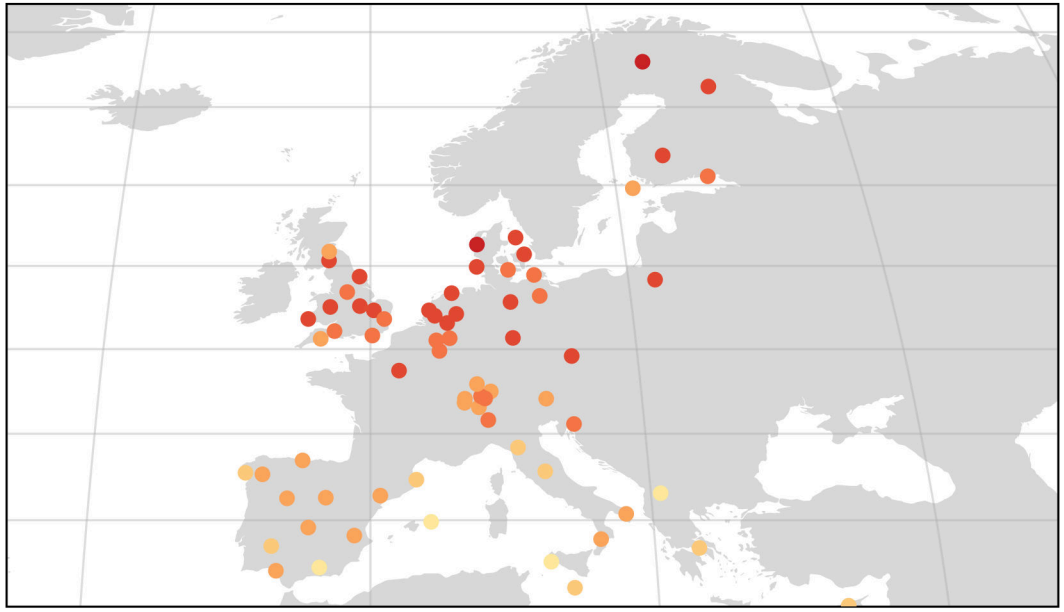
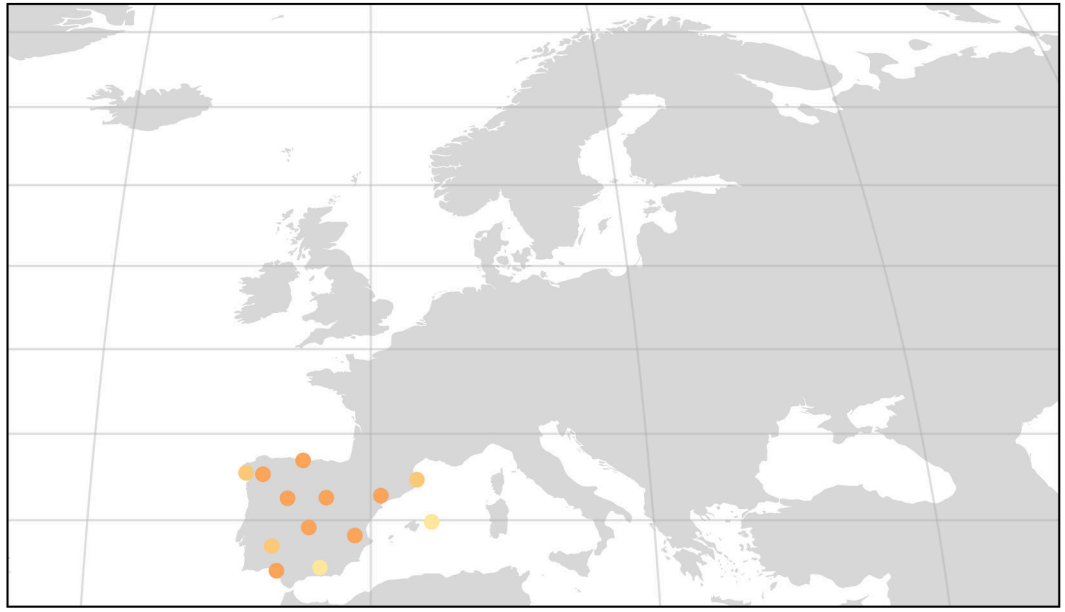


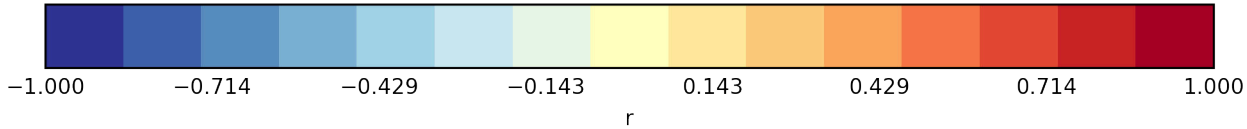
MONARCH
DEBUG·Spain (13 stations)



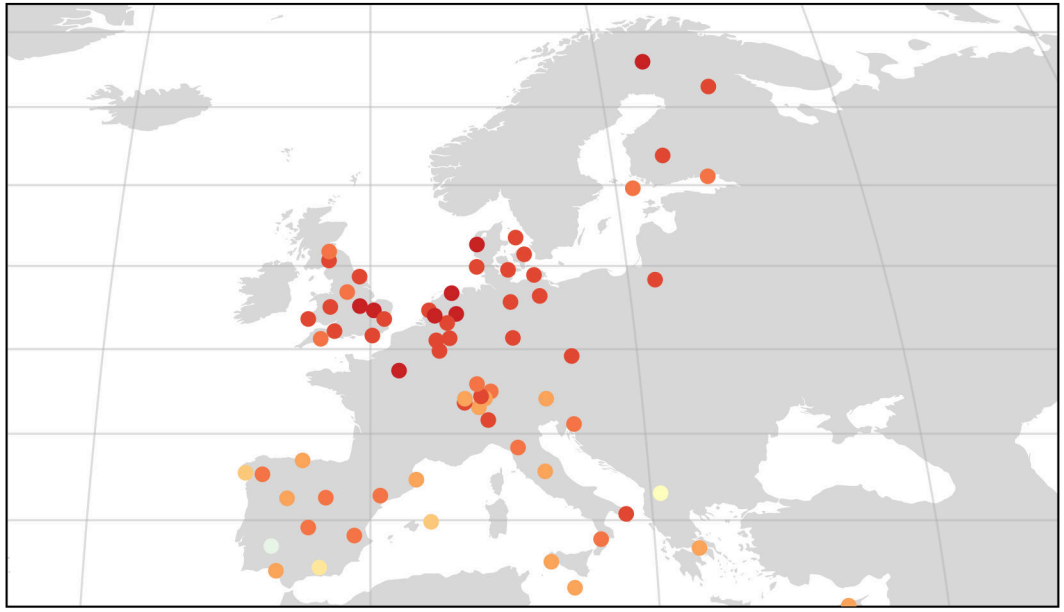
MONARCH
DEBUG·France (1 station)

MONARCH
DEBUG·Germany (6 stations)

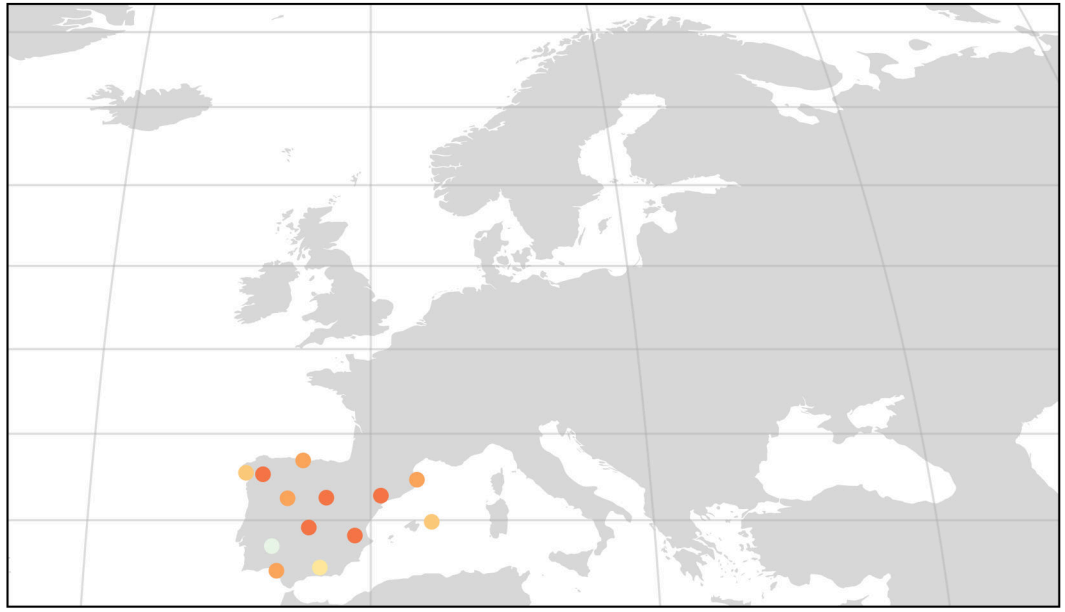
Map r (Summary)
EBAS|sconcno2



SILAM
DEBUG·Europe (69 stations)



SILAM
DEBUG·Spain (13 stations)

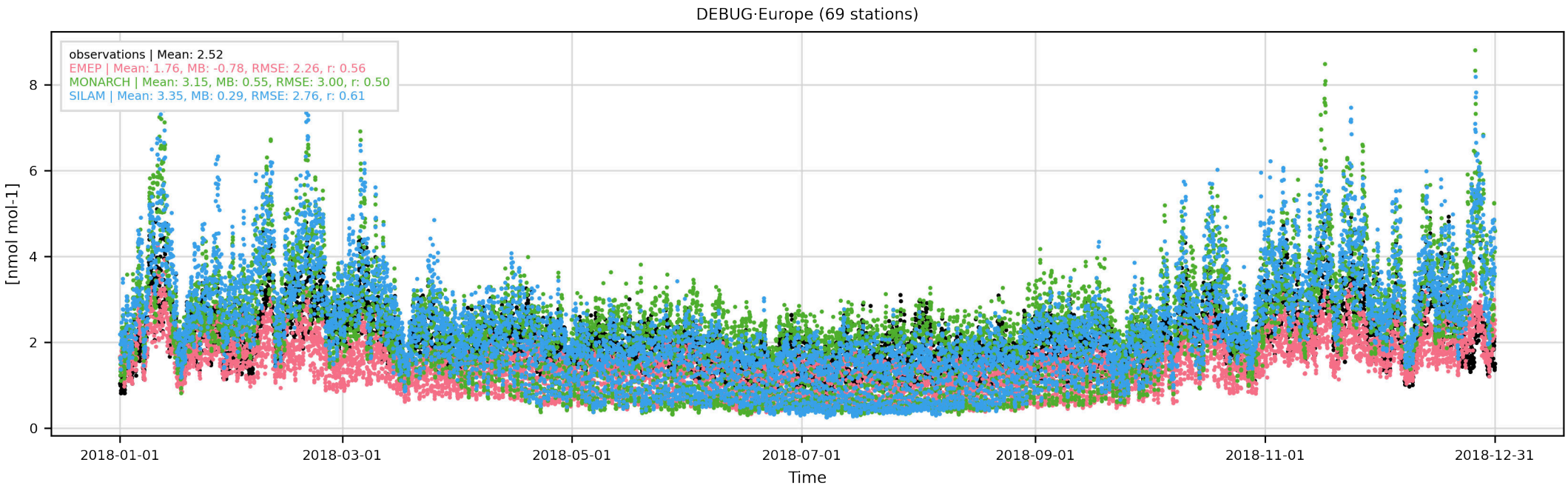


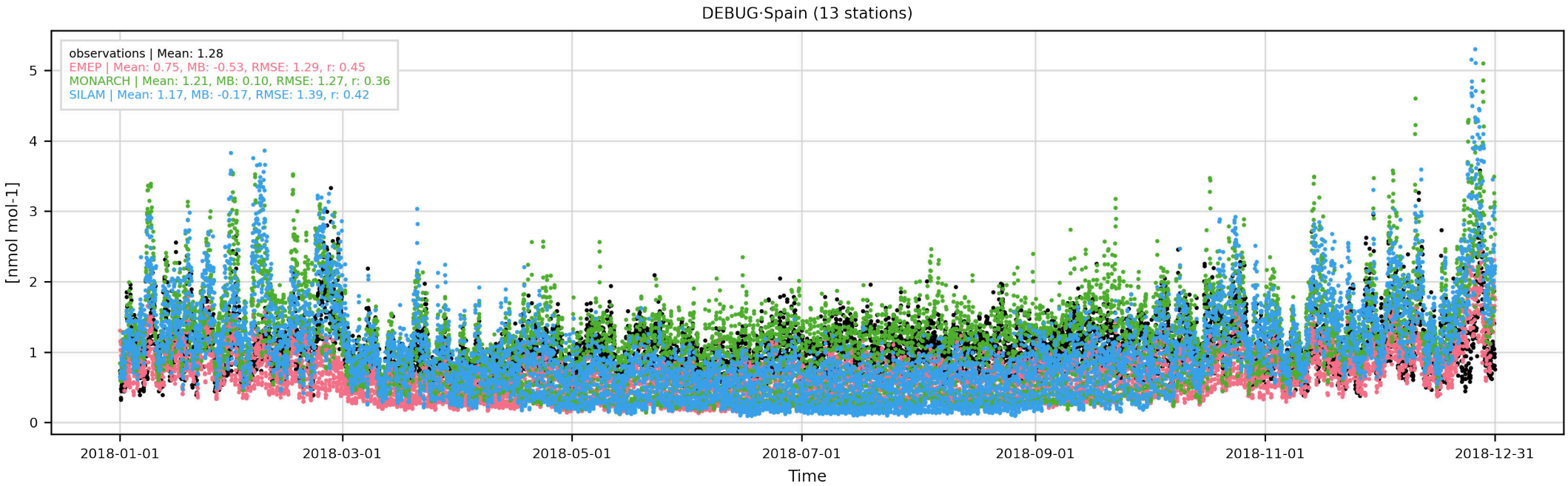
SILAM
DEBUG·France (1 station)

SILAM
DEBUG·Germany (6 stations)

Timeseries (Summary)
EBAS|sconcno2

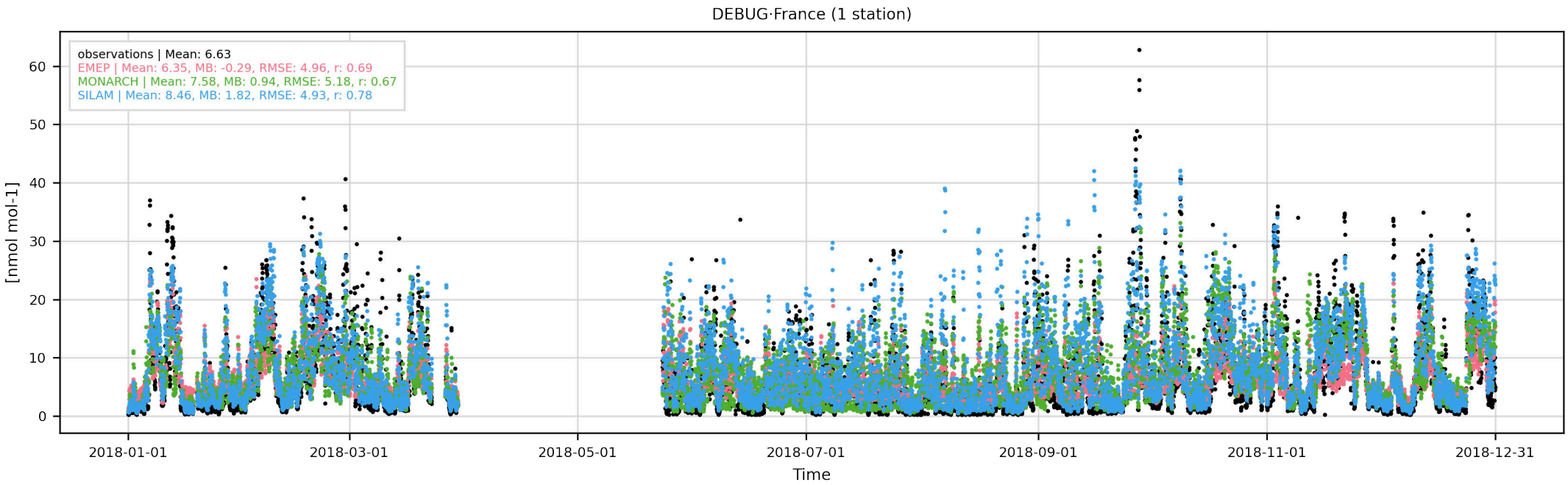
observations EMEP MONARCH SILAM

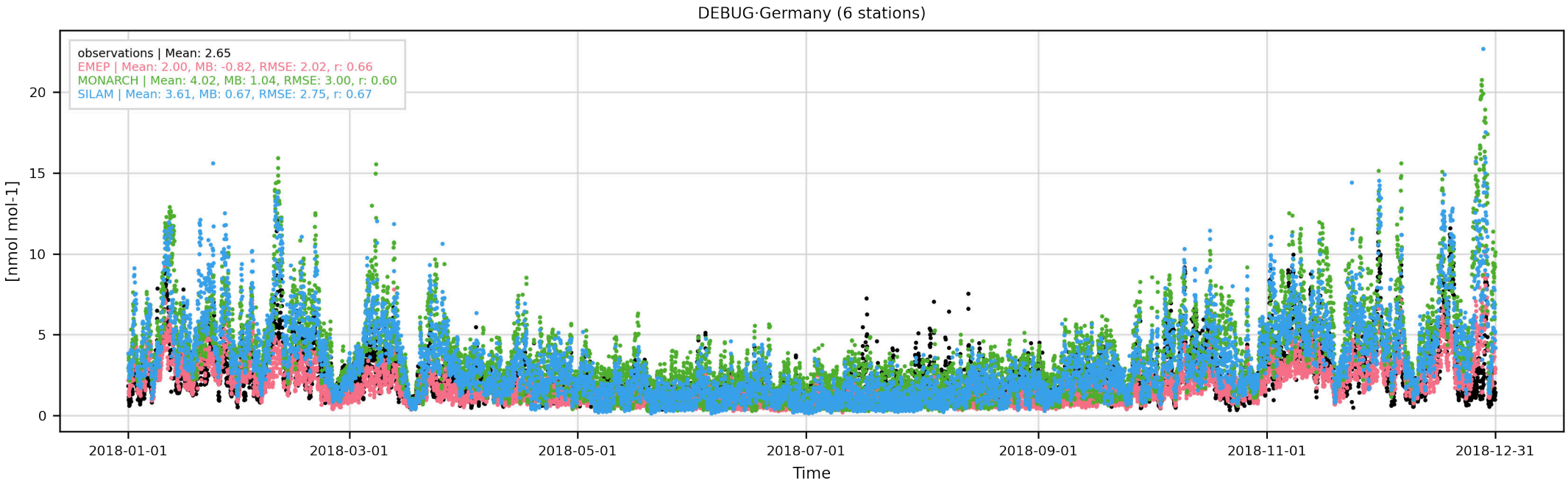




Timeseries (Summary)
EBAS|sconcno2

observations EMEP MONARCH SILAM

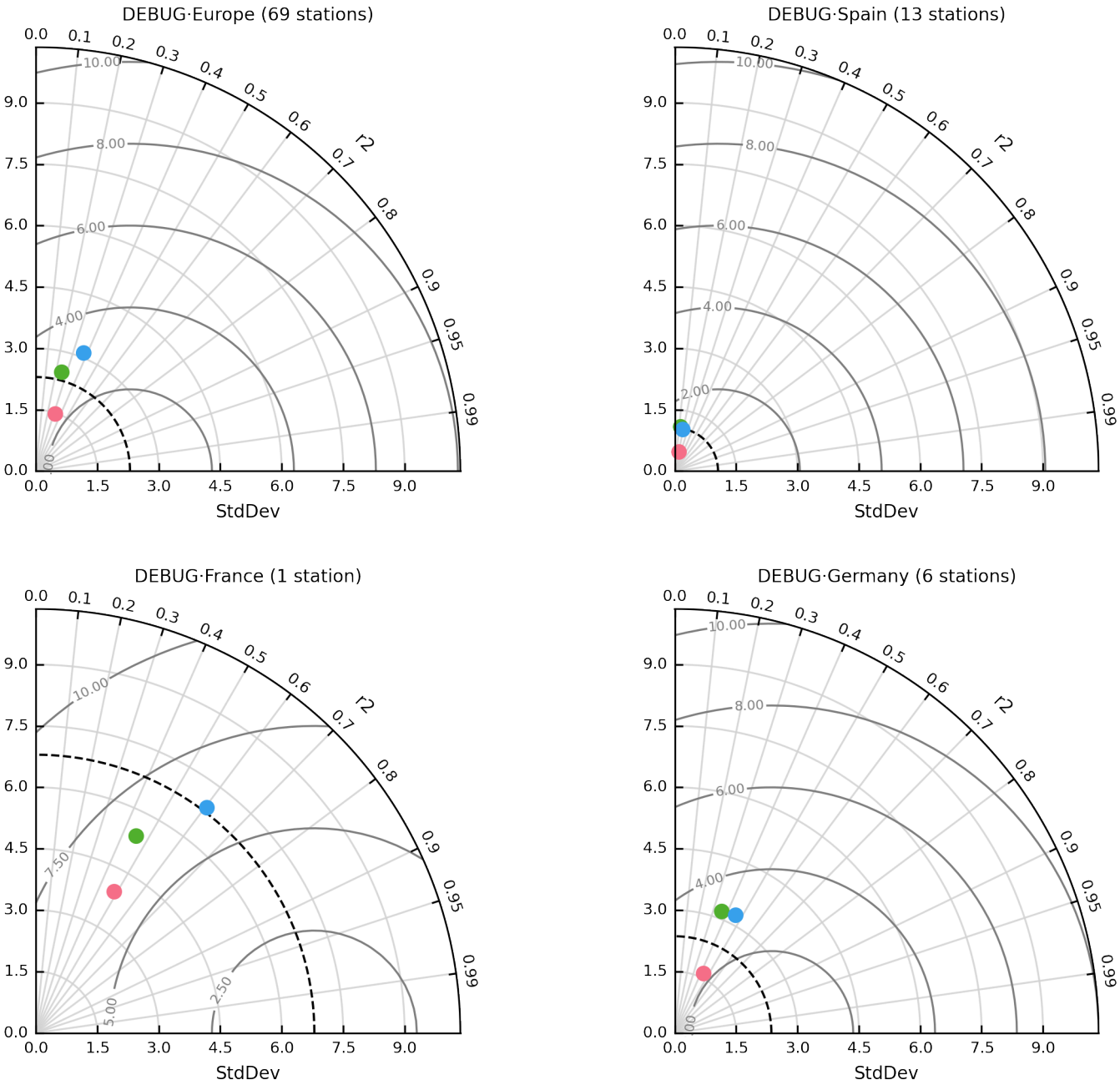




Periodic Mean (Summary)
EBAS|sconcno2

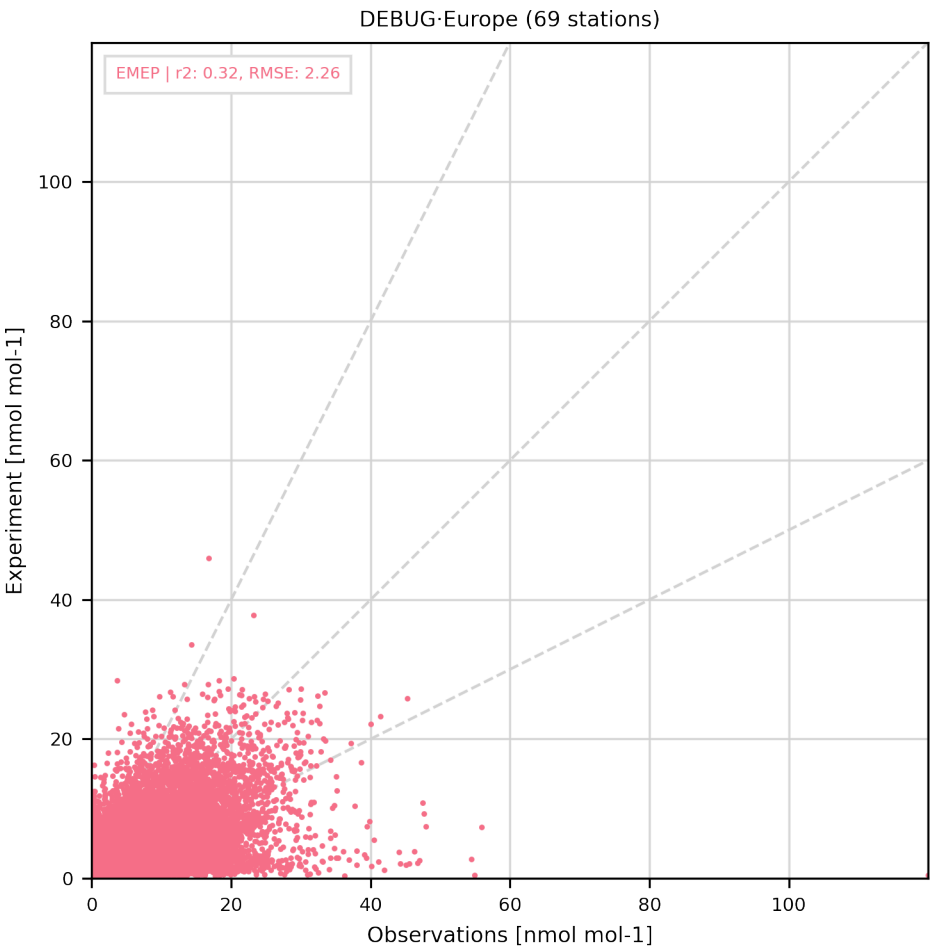
Taylor diagram r^2 (Summary)
EBAS|sconcno2

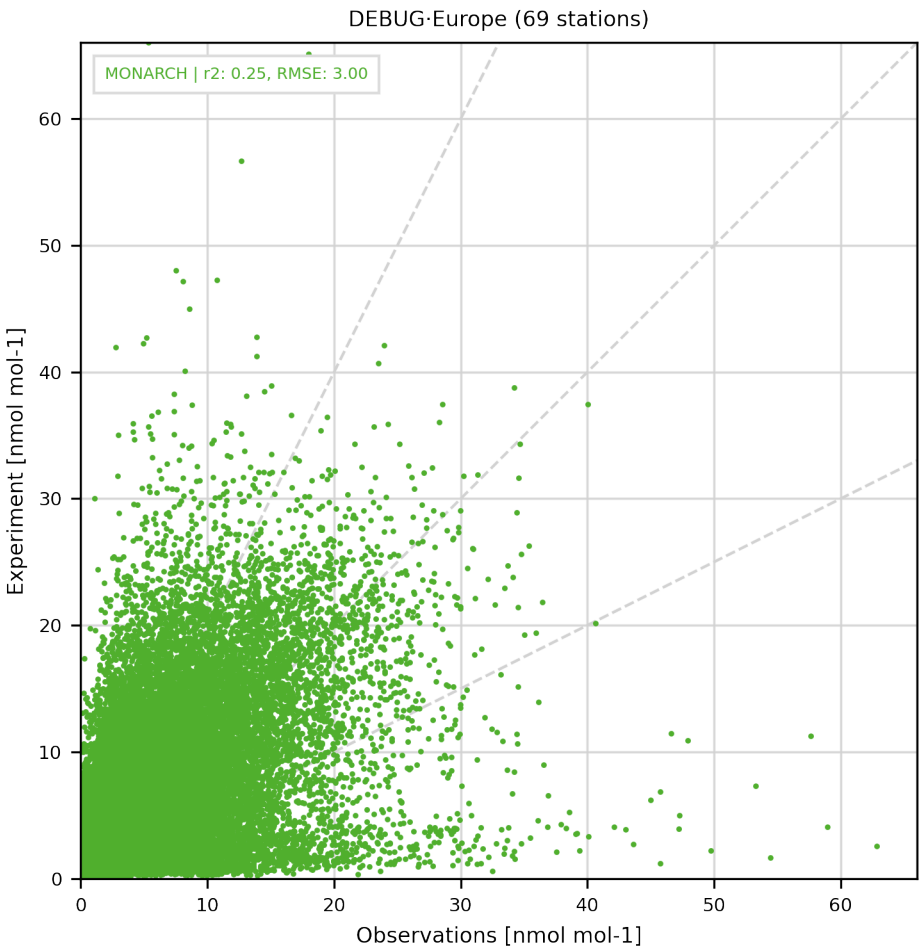
EMEP MONARCH SILAM



Scatter (Summary)
EBAS|sconcno2

EMEP
SILAM
MONARCH





Scatter (Summary)
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EMEP
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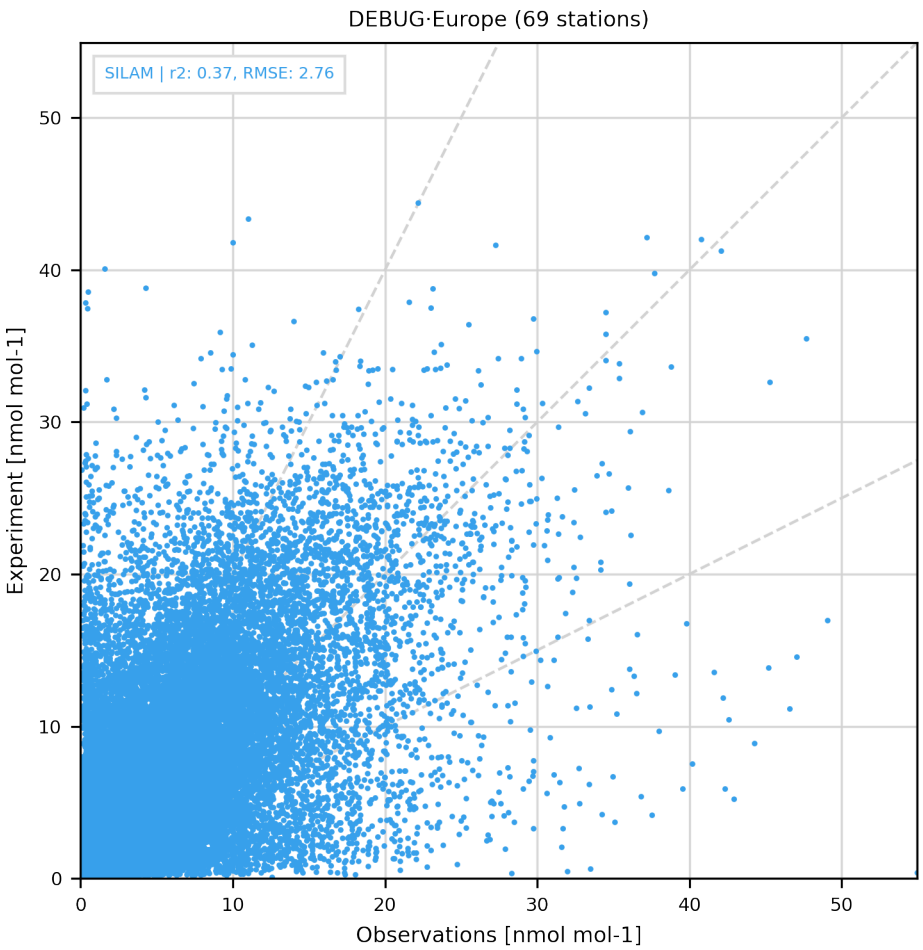
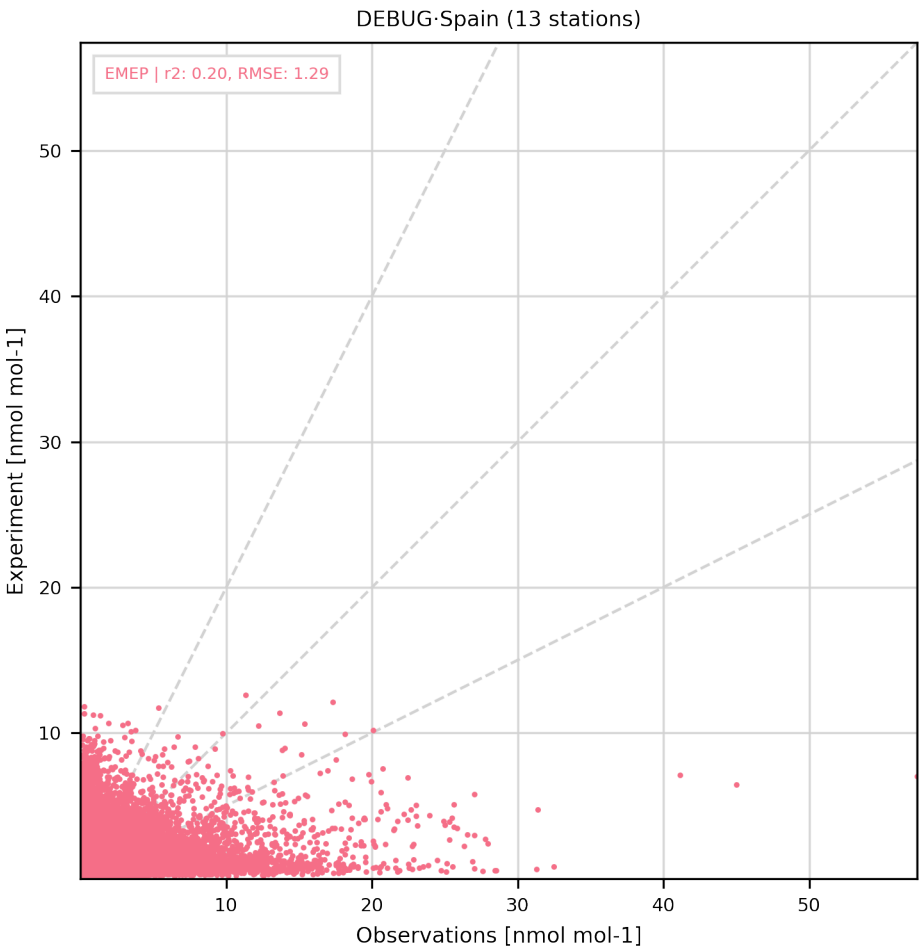
MONARCH





Scatter (Summary)
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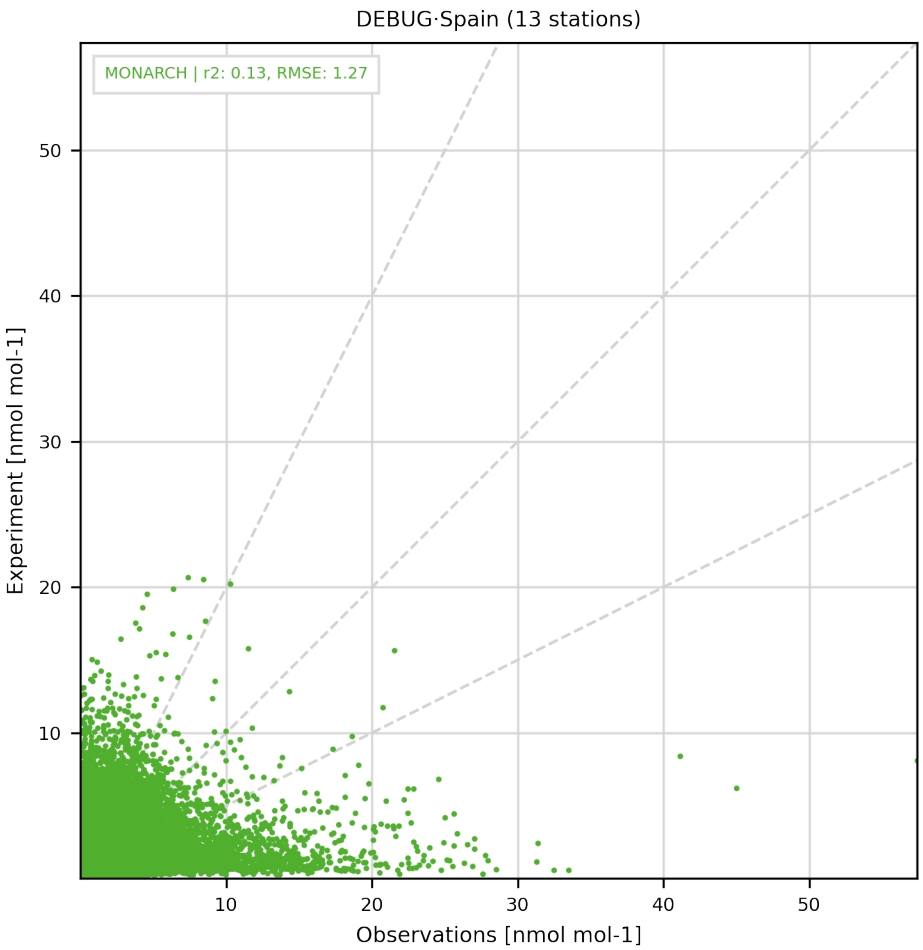
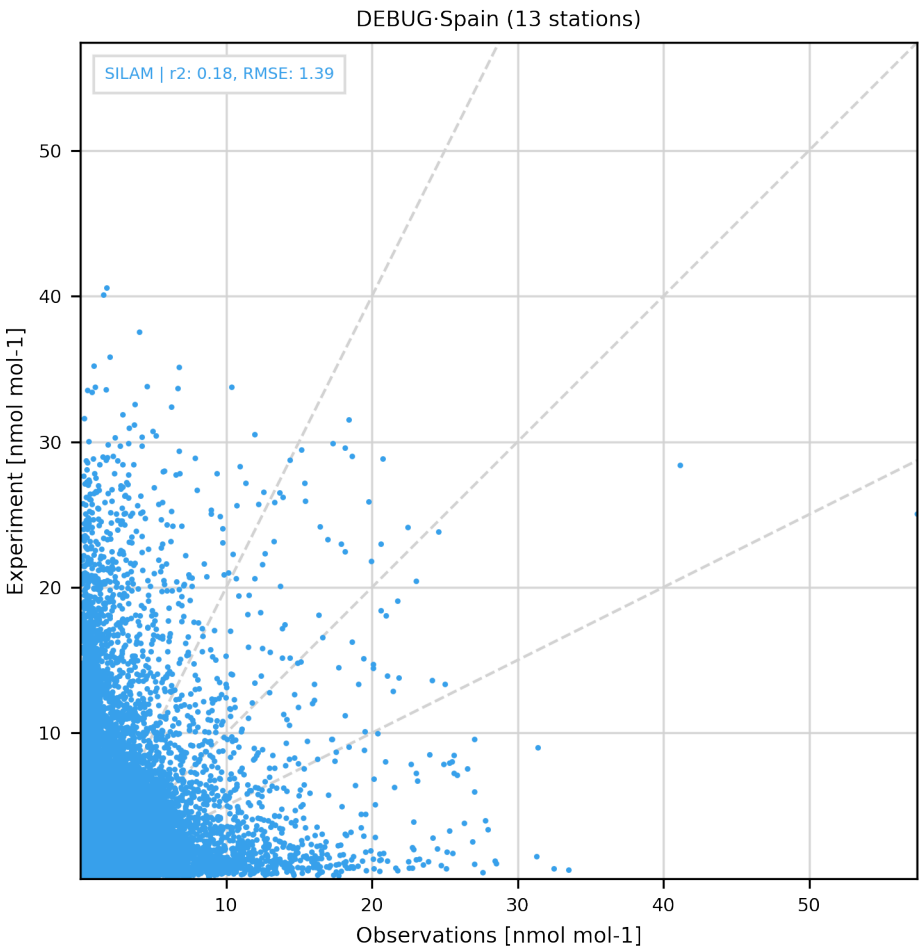
MONARCH





Scatter (Summary)
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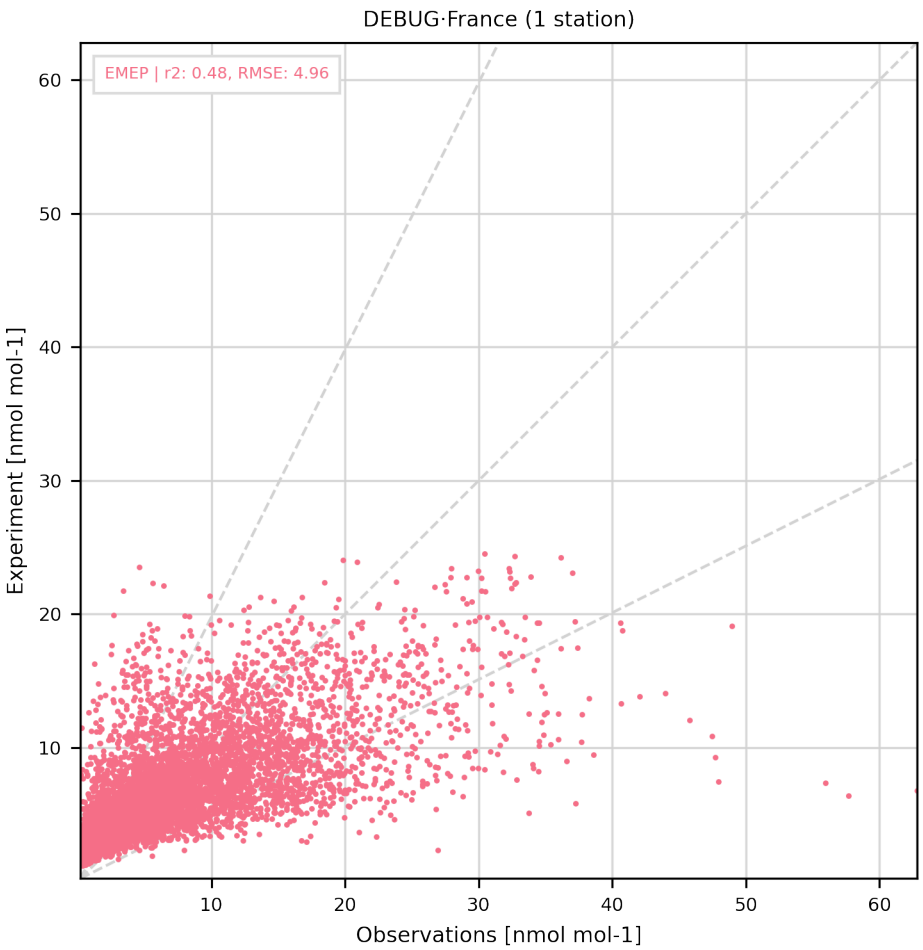

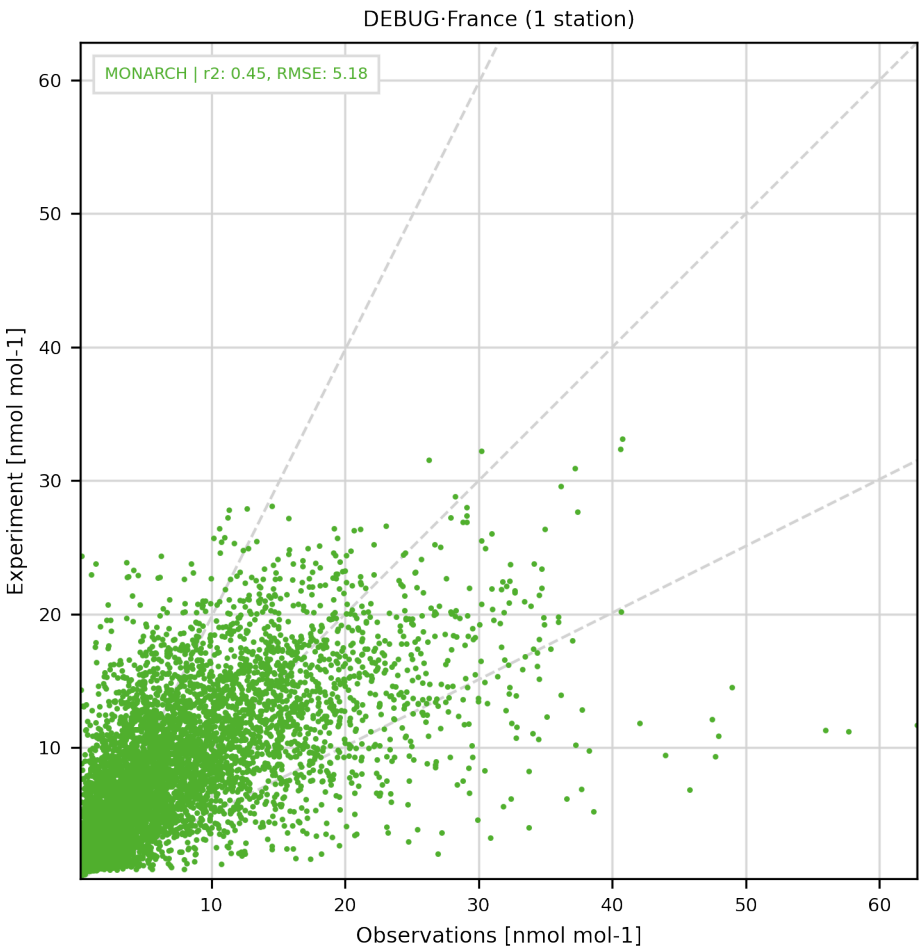

Scatter (Summary)
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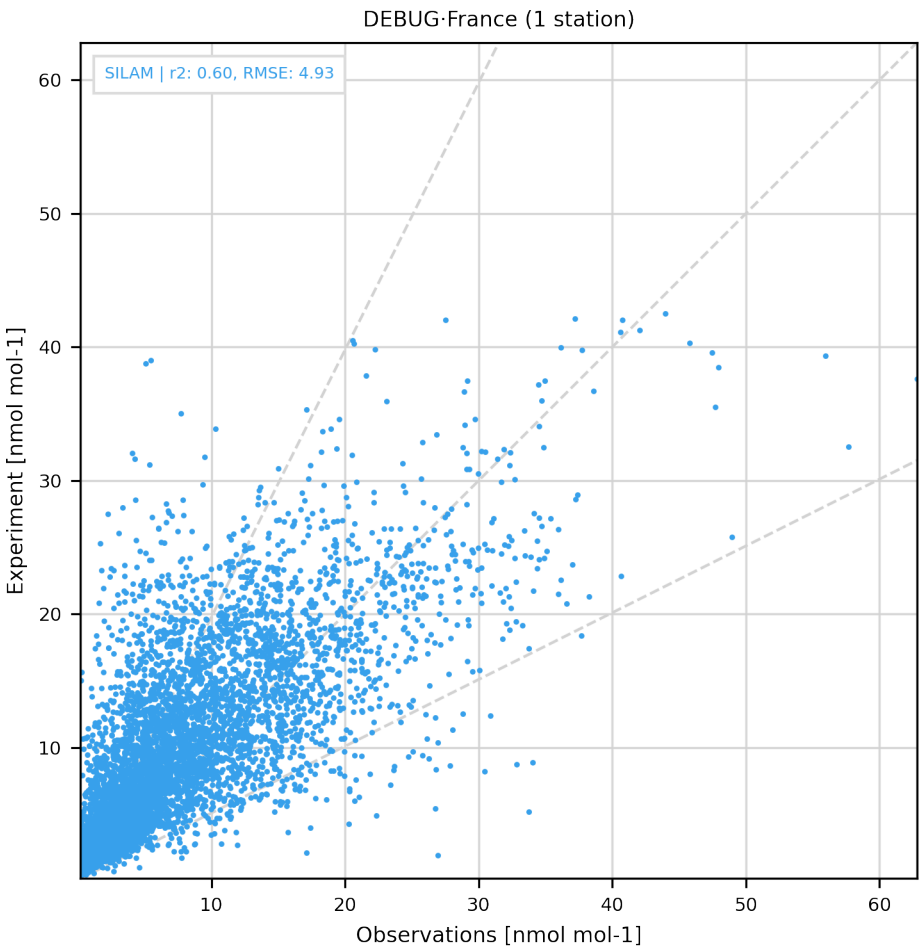

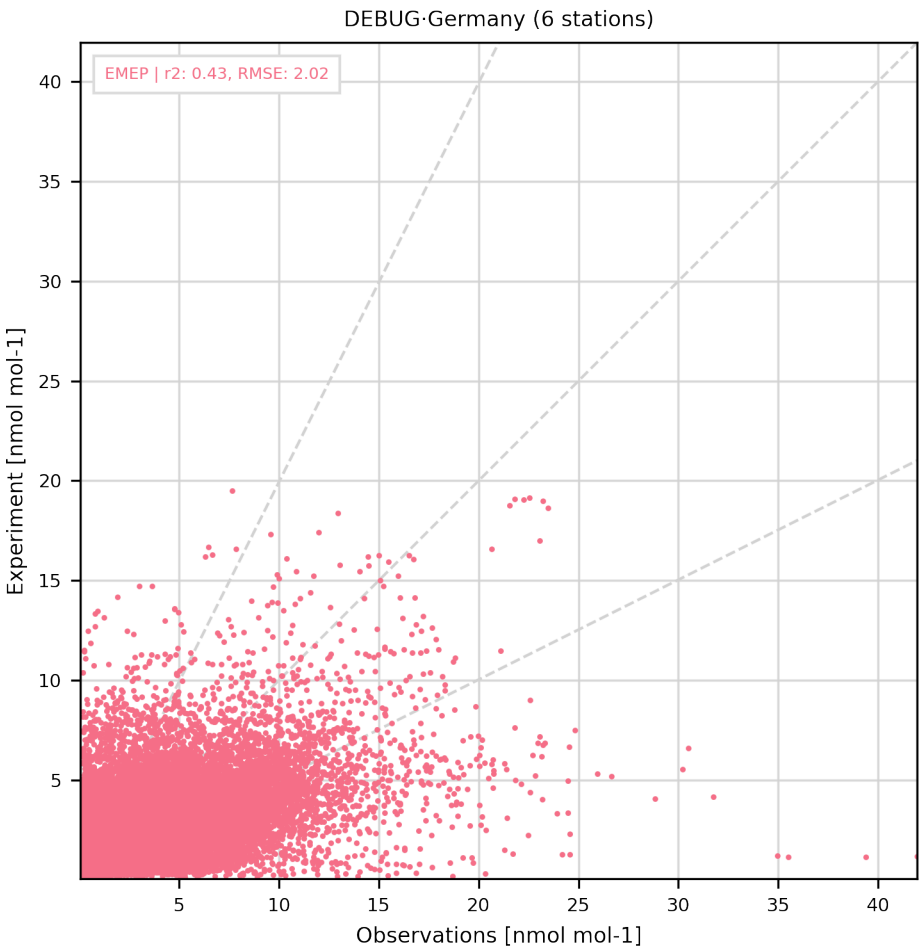

Scatter (Summary)
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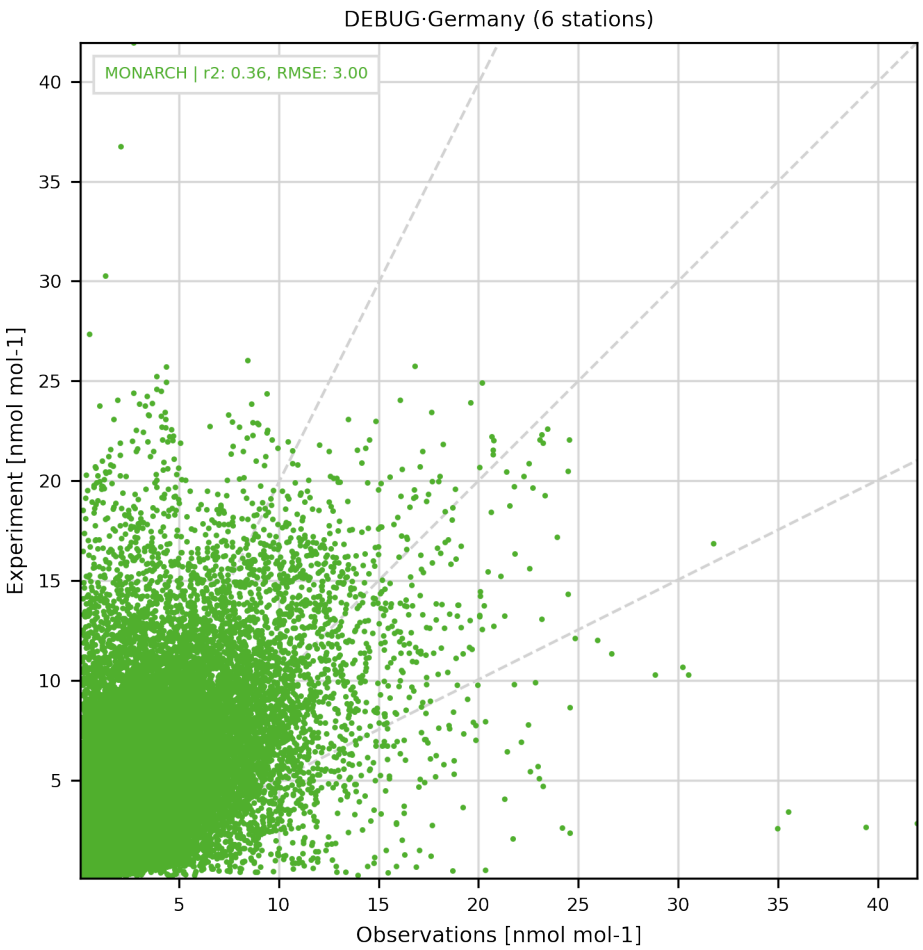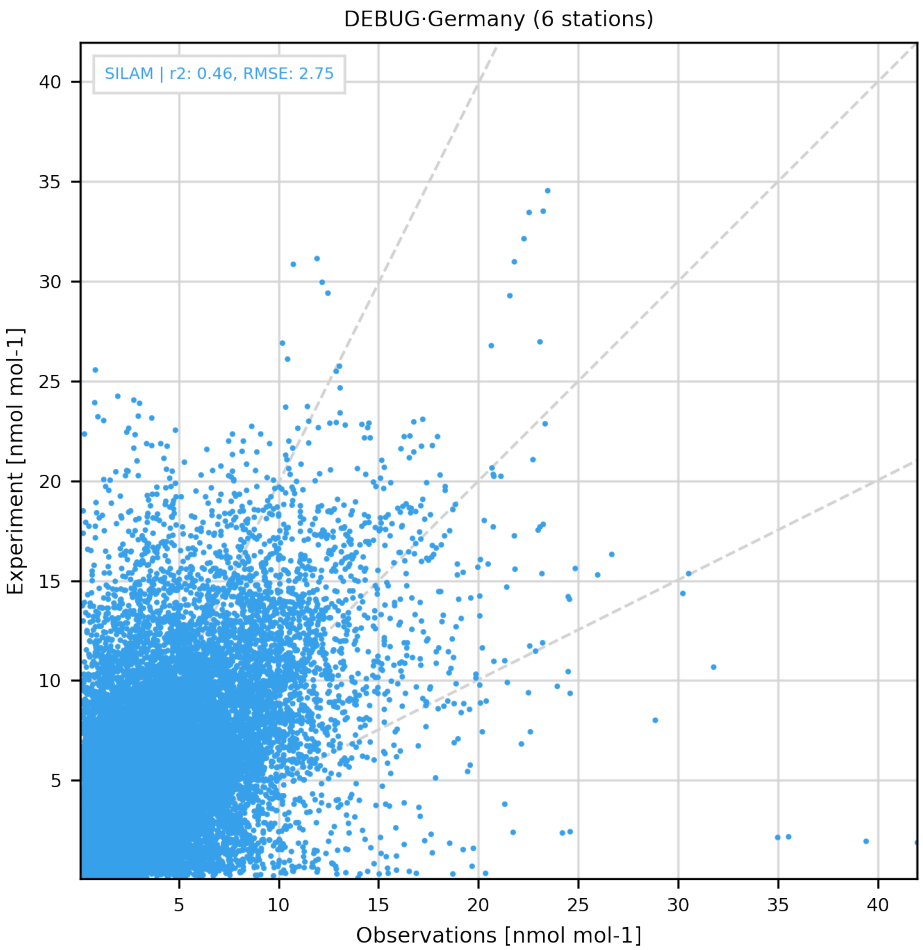
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