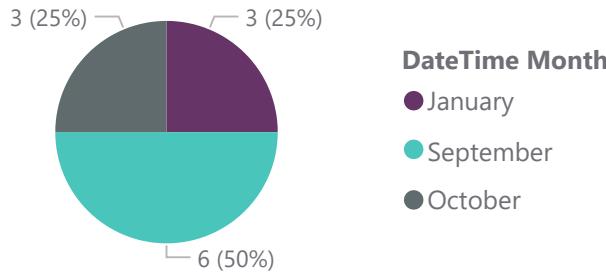


# Analysis of Extreme Sea Levels-Ristna

Year

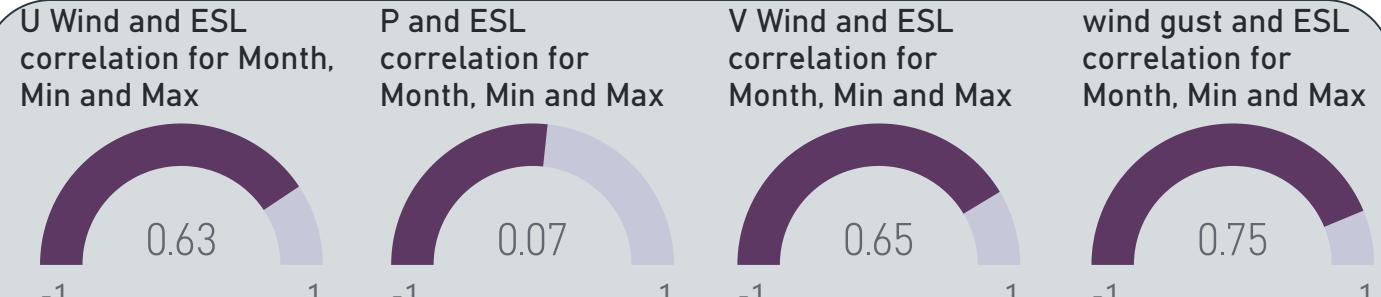
1971	1973	1975	1977	1979
1972	1974	1976	1978	1980

Count of extremes\_Above\_70cm by Month



Year	Month	maxESL	minP	maxU	maxV	maxGUST	maxBSI
2018	January	80	988	17.98	15.57	24.35	1.15
2018	February	51	990	9.30	12.09	18.59	1.14
2018	March	3	990	11.05	8.54	17.49	1.02
2018	April	24	992	11.39	9.99	19.71	0.97
2018	May	24	1002	9.02	7.91	15.95	0.86
2018	June	56	993	12.93	11.76	20.41	1.43
2018	July	15	1004	8.86	5.69	14.31	0.88
2018	August	40	1001	11.29	10.46	17.49	0.56
2018	September	139	996	18.64	14.71	27.26	0.62
2018	October	87	981	13.34	12.09	22.96	0.98
2018	November	39	1010	11.03	15.92	23.72	0.91
2018	December	48	984	12.41	14.76	21.14	0.77
<b>Total</b>		<b>139</b>	<b>981</b>	<b>18.64</b>	<b>15.92</b>	<b>27.26</b>	<b>1.43</b>

## Correlation analysis



## Time series

### ESL(cm) by Year, Quarter, Month and Day



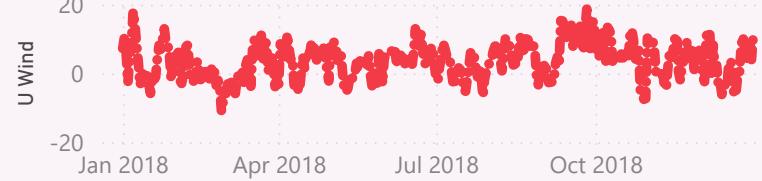
### Pressure by Year, Quarter, Month and Day



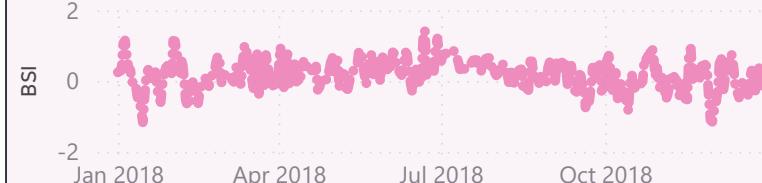
### wind gust by Year, Quarter, Month and Day



### U Wind by Year, Quarter, Month and Day



### BSI by Year, Quarter, Month and Day



### V Wind by Year, Quarter, Month and Day

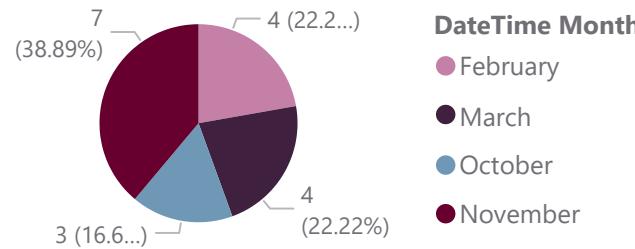


Location



Year					
1971	1973	1975	1977	1979	<
1972	1974	1976	1978	1980	>

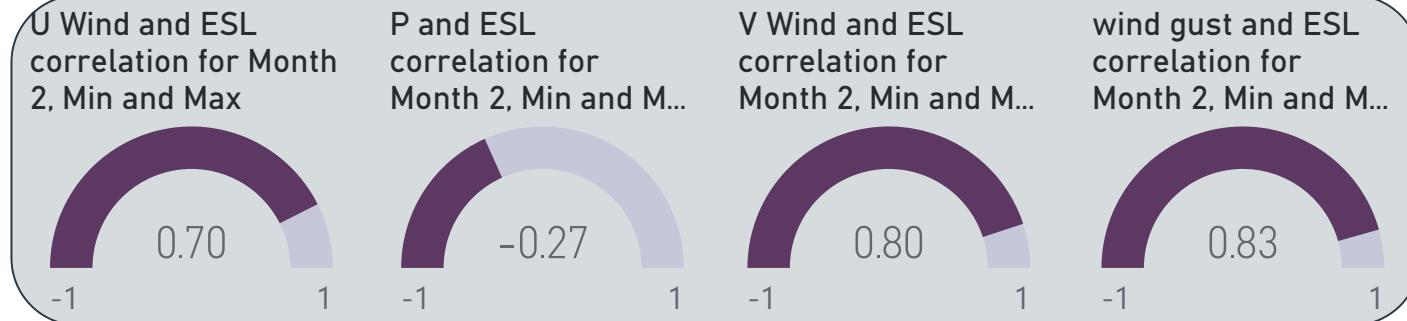
Count\_extremes\_Above\_100cm\_narva by Month



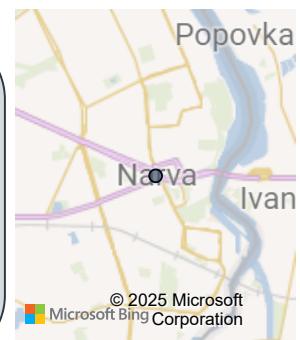
Year	Month	maxESL2	minP2	maxU2	maxV2	maxGUST2	n
2008	January	98	985.49	9.13	11.48	21.72	
2008	February	145	971.80	10.93	10.50	20.37	
2008	March	117	965.58	7.95	10.80	22.98	
2008	April	73	985.40	6.82	7.31	16.41	
2008	May	32	999.33	7.92	5.25	16.87	
2008	June	70	992.95	11.54	7.79	21.66	
2008	July	53	999.56	7.08	5.37	13.06	
2008	August	68	992.03	6.74	7.87	18.24	
2008	September	69	998.47	9.27	7.80	14.78	
2008	October	130	983.57	7.99	10.02	18.36	
2008	November	129	953.60	9.10	11.79	22.18	
2008	December	87	993.45	8.80	10.58	17.27	
<b>Total</b>		<b>145</b>	<b>953.60</b>	<b>11.54</b>	<b>11.79</b>	<b>22.98</b>	

## Analysis of Extreme Sea Levels-Narva

### Correlation analysis

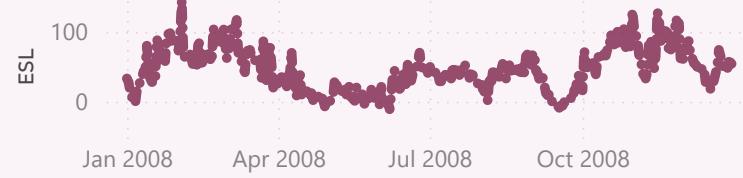


### Location



### Time series

#### ESL by Year, Quarter, Month and Day



#### P by Year, Quarter, Month and Day



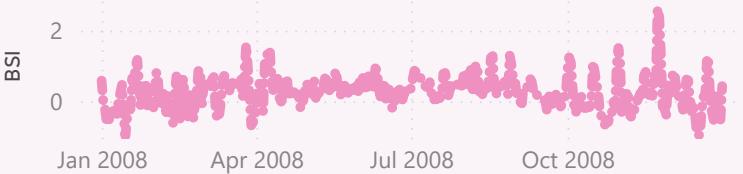
#### wind gust by Year, Quarter, Month and Day



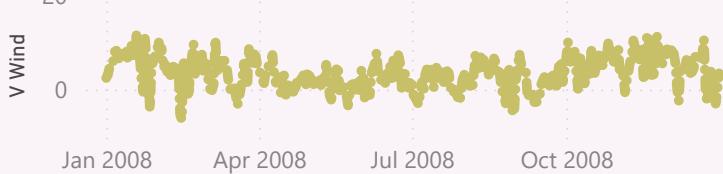
#### U Wind by Year, Quarter, Month and Day



#### BSI by Year, Quarter, Month and Day

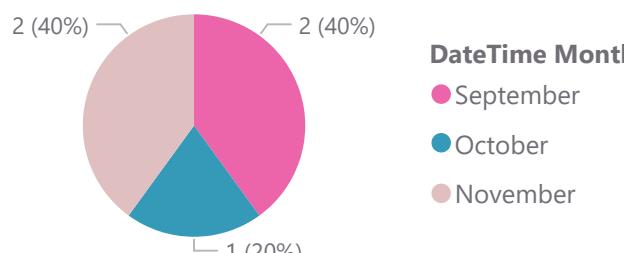


#### V Wind by Year, Quarter, Month and Day



# Analysis of Extreme Sea Levels-Oulu

Count\_extremes\_Above\_100cm\_oulu by Month



Year

1971	1973	1975	1977	1979	1981	1983	1985	1987	1989	1991
1972	1974	1976	1978	1980	1982	1984	1986	1988	1990	1992

Location



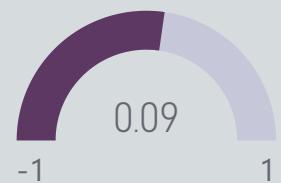
Year	Month	maxESL3	minP3	maxU3	maxV3	maxgust3	maxBSI3
2018	January	76.20	975.16	6.25	7.58	15.47	1.15
2018	February	31.30	1,006.69	4.23	5.57	11.56	1.12
2018	March	7.70	985.40	5.88	6.89	14.82	1.02
2018	April	8.30	987.07	5.66	5.56	13.21	0.96
2018	May	28.80	1,005.94	6.51	5.21	14.95	0.86
2018	June	44.10	985.86	7.96	6.03	18.81	1.43
2018	July	21.90	998.79	3.49	4.27	13.27	0.87
2018	August	93.20	991.30	7.38	6.85	19.49	0.55
2018	September	110.10	973.62	6.47	7.57	17.64	0.62
2018	October	107.80	986.42	7.14	7.16	15.67	0.98
2018	November	119.80	999.81	7.20	7.59	16.52	0.91
2018	December	95.50	977.82	6.64	8.50	20.93	2.19
<b>Total</b>		<b>119.80</b>	<b>973.62</b>	<b>7.96</b>	<b>8.50</b>	<b>20.93</b>	<b>2.19</b>

## Correlation analysis

U Wind and ESL correlation for Month 3, Min and Max



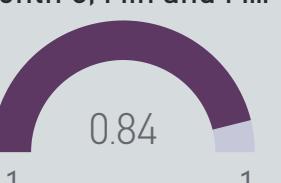
P and ESL correlation for Month 3, Min and M...



V Wind and ESL correlation for Month 3, Min and M...



wind gust and ESL correlation for Month 3, Min and M...



**ESL**

**P**

**Uwind**

**Vwind**

**gust**

**BSI**

## ESL by Year, Quarter, Month and Day

