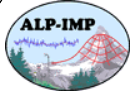


Selection of long climate time series in the Greater Alpine Region
(homogenised, outlier corrected and gap-completed – updated to 2003)

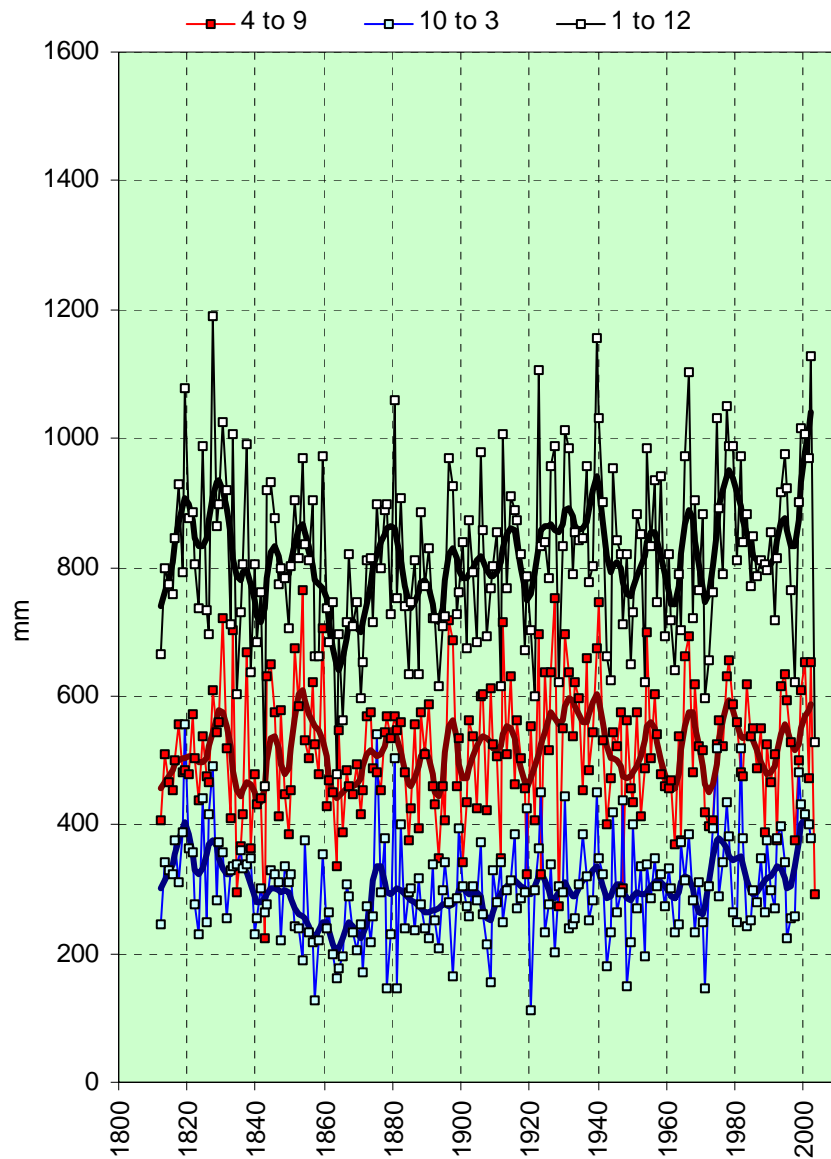
part 4:
PRECIPITATION TOTALS
ANNUAL, SUMMER HALF YEAR and WINTER HALF YEAR

(Figures of each site in alphabetical order according to station list below)

HISTALP long-term combi series								
id	abbr.	full name		deg east	deg north	alt. (m)	start temp	start prec
159	AUG	Augsburg	DE	10.93	48.42	463	1813	1812
15	BAS	Basel - Binningen	CH	7.60	47.60	316	1760	1861
17	BER	Bern	CH	7.43	46.95	565	1760	1856
19	BOL	Bologna	IT	11.25	44.48	60	1814	1813
22	BRL	Bratislava-Koliba	SK	17.10	48.17	280	1850	1857
165	BRN	Brno-Turany	CZ	16.70	49.16	241	1848	1805
215	BUL	Budapest - Lörinc Airport	HU	19.22	47.45	130	1780	1841
37	DIJ	Dijon-Longvic	FR	5.08	47.27	227	1845	1831
48	GNV	Genève	CH	6.15	46.20	405	1760	1826
49	GOV	Genova	IT	9.00	44.40	53	1833	1833
52	GSB	Gr. St. Bernhard	CH	7.18	45.87	2472	1818	
53	GRA	Graz - Universität	AT	15.45	47.08	377	1837	1837
56	HOP	Hohenpeißenberg	DE	11.02	47.80	986	1781	1800
58	HVR	Hvar	HR	16.43	43.17	20	1858	1858
59	INN	Innsbruck-Universität	AT	11.38	47.27	609	1777	1858
173	KAR	Karlsruhe	DE	8.35	49.03	112	1779	1801
64	KLA	Klagenfurt-Flughafen	AT	14.33	46.65	459	1813	1813
67	KRE	Kremsmünster	AT	14.13	48.05	389	1767	1820
75	LIN	Linz	AT	14.28	48.30	263	1816	1852
77	LJU	Ljubljana	SI	14.52	46.07	316	1851	1853
83	MAN	Mantova	IT	10.75	45.15	20	1828	1840
87	MAR	Marseille - Marseilles	FR	5.23	43.44	5	1847	1800
88	MIL	Milano	IT	9.00	45.47	122	1763	1800
92	MUN	München-Stadt	DE	11.55	48.18	525	1781	1848
93	NAN	Nancy-Essey	FR	6.22	48.68	217	1841	1811
96	NIC	Nice - Aeroport	FR	7.20	43.65	4	1806	1870
100	PAD	Padova	IT	11.75	45.40	14	1774	1800
193	RBG	Regensburg	DE	12.10	49.03	366	1773	1800
122	SAL	Salzburg-Flughafen	AT	13.00	47.80	450	1842	1839
124	SNT	Säntis	CH	9.35	47.25	2500	1864	
196	SAR	Sarajewo	BA	18.43	43.87	630	1880	1880
127	SON	Sonnblick	AT	12.95	47.05	3105	1887	
135	STR	Strasbourg - Entzheim	FR	7.64	48.55	150	1801	1803
136	STU	Stuttgart-Schnarrenberg	DE	9.20	48.83	311	1792	1807
139	TOR	Torino	IT	7.75	45.05	275	1760	1803
141	TRT	Trento	IT	11.12	46.07	199	1816	1864
142	TRI	Trieste	IT	13.75	45.65	67	1841	1841
143	UDI	Udine	IT	13.20	46.00	51	1803	1803
145	VEN	Venezia	IT	12.25	45.43	1	1869	1836
251	VER	Verona	IT	10.87	45.38	67	1788	
147	VIA	Villacher Alpe - Obir	AT	13.67	46.60	2160	1851	
152	WIE	Wien-Hohe Warte	AT	16.35	48.22	209	1775	1841
153	ZAG	Zagreb-Gric	HR	15.98	45.82	162	1862	1862
156	ZUG	Zugspitze	DE	10.98	47.42	2962	1901	
157	ZUR	Zürich Meteo Schweiz	CH	8.57	47.38	569	1830	1830

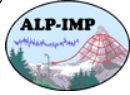


Augsburg : precipitation 1812-2003

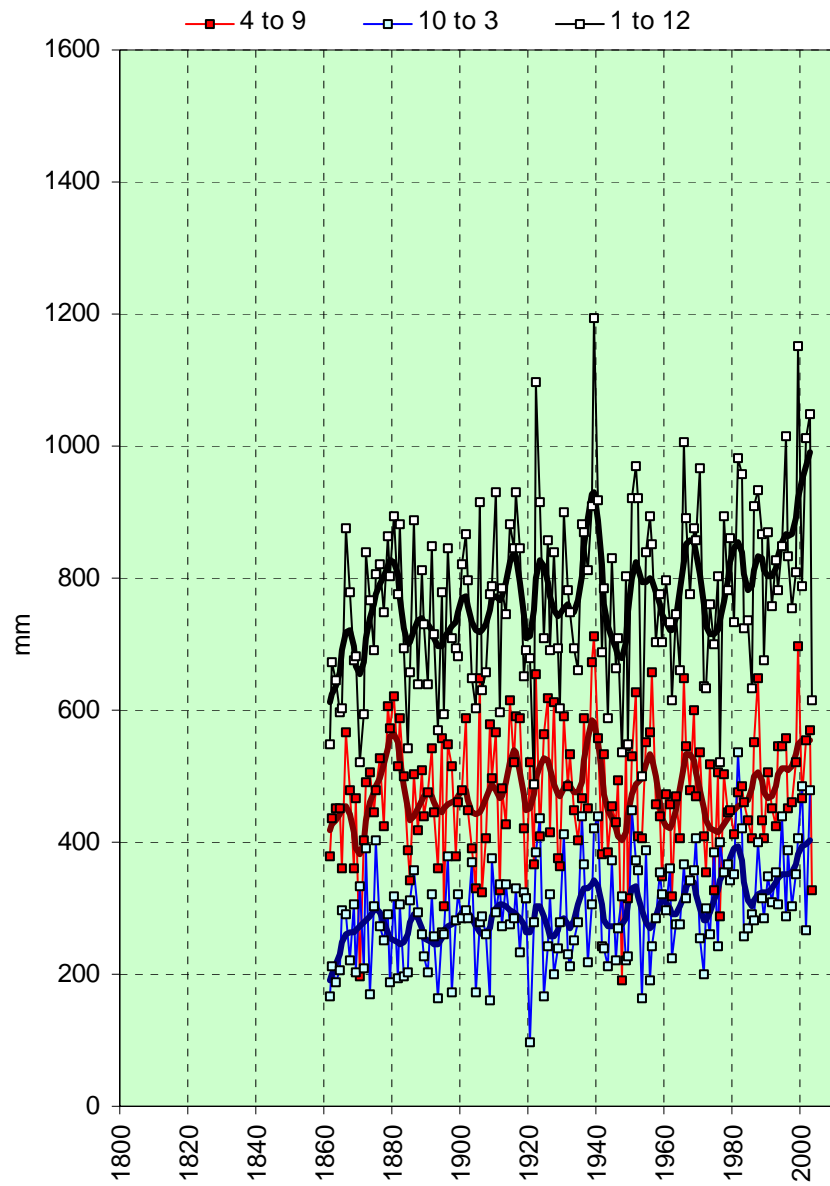


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

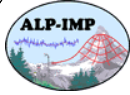


Basel : precipitation
1861-2003

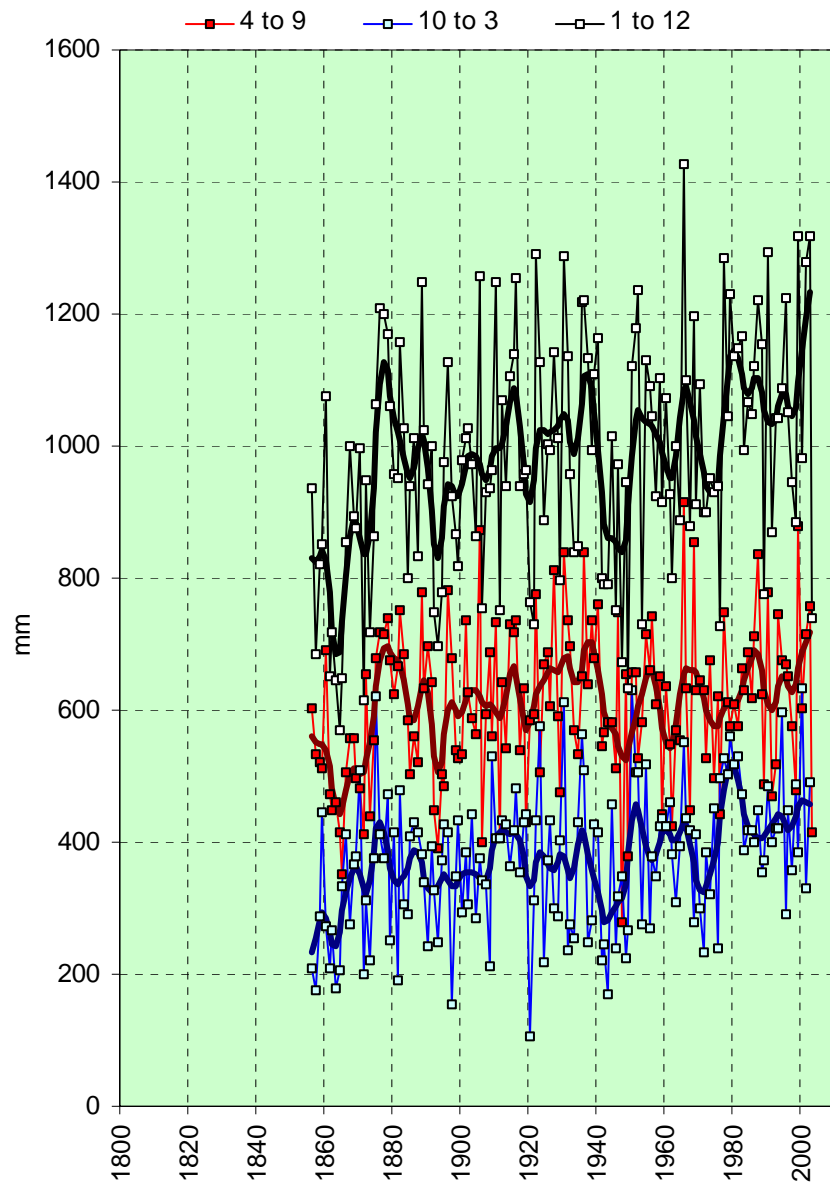


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

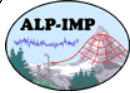


Bern : precipitation 1856-2003

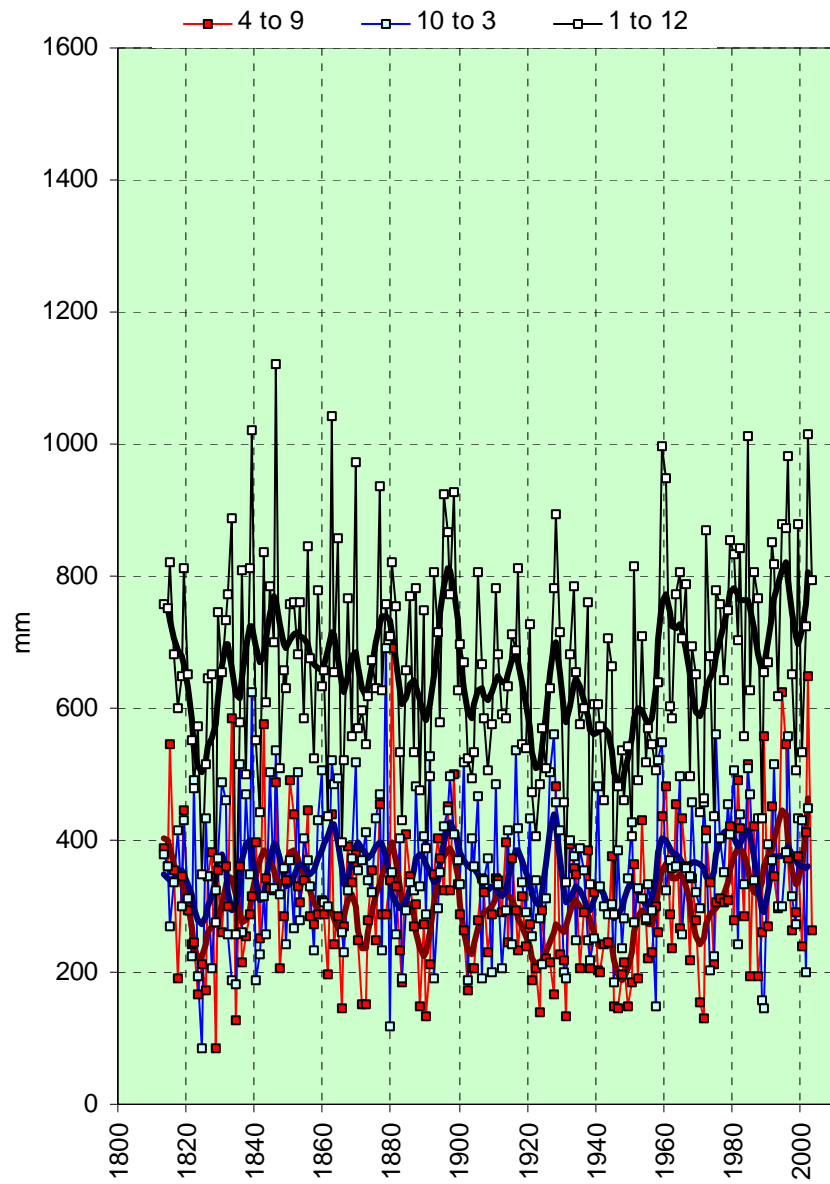


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

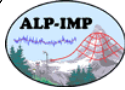


Bologna : precipitation 1813-2003

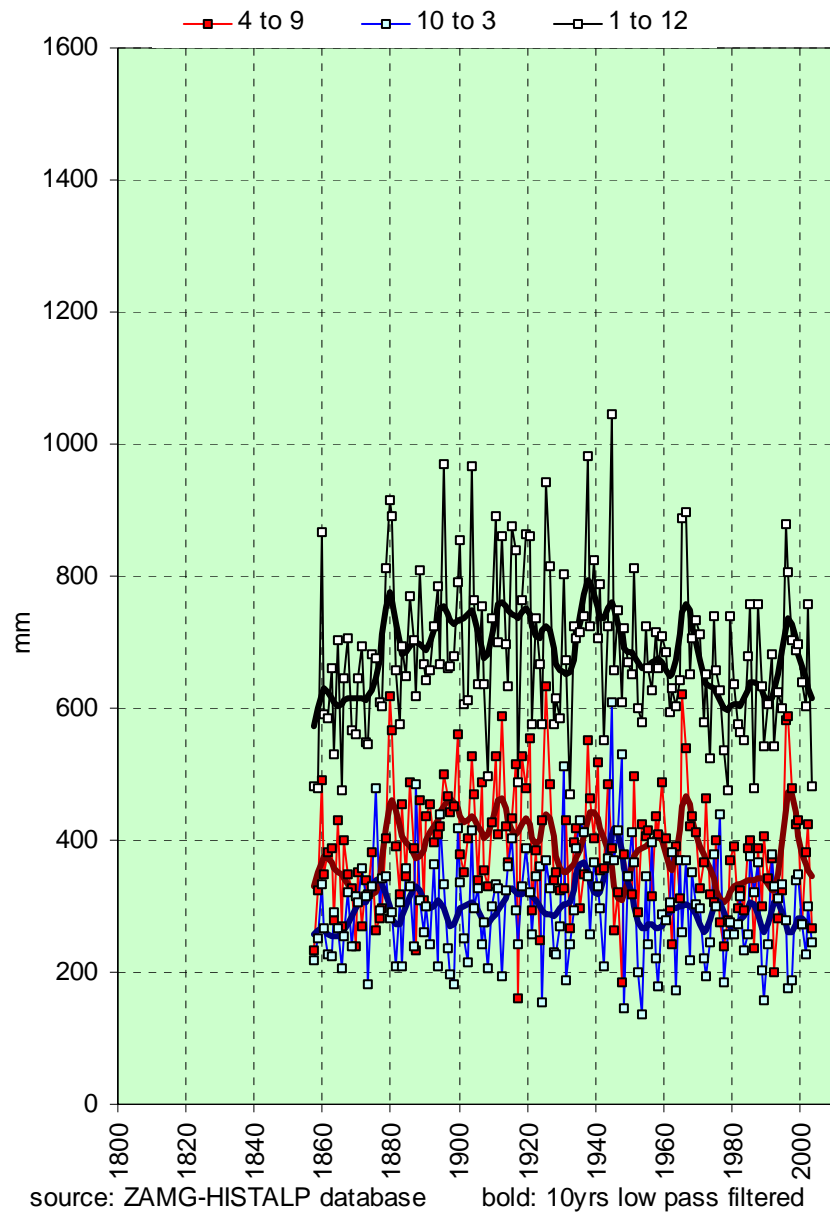


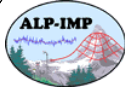
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

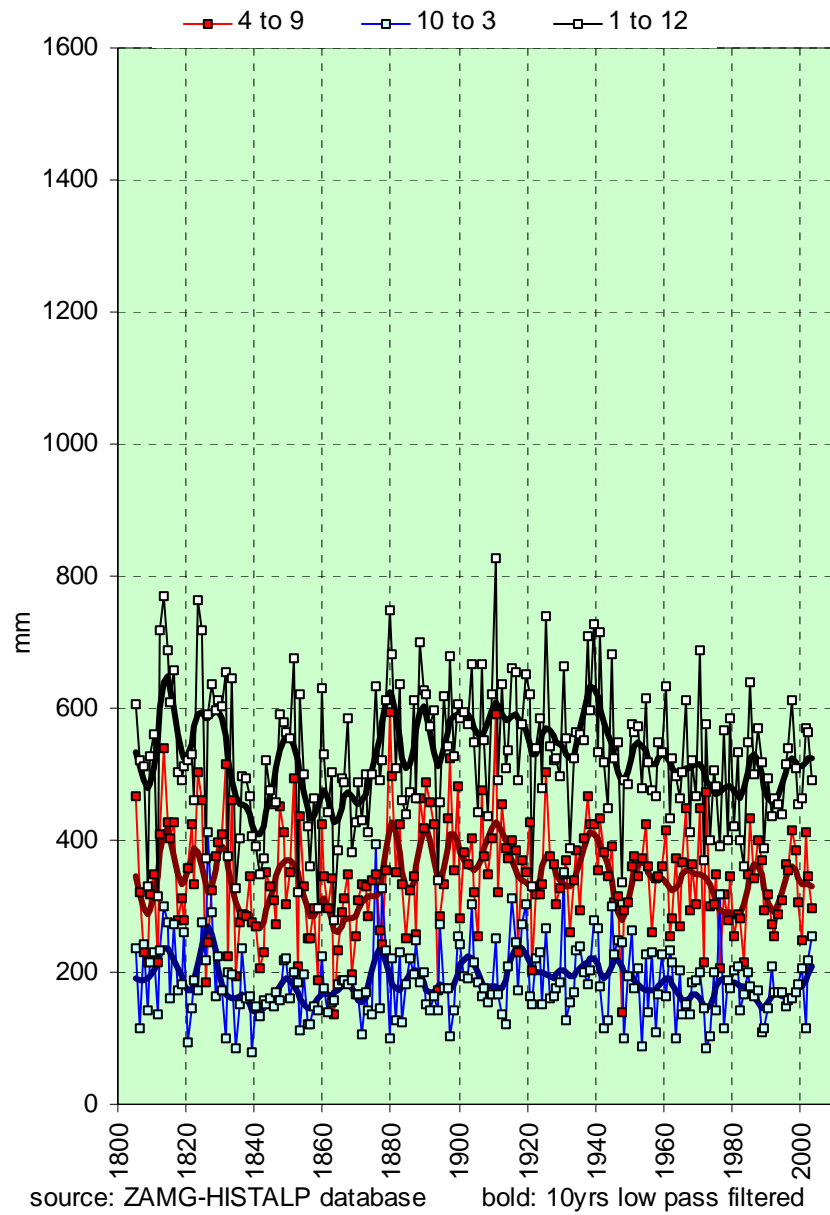


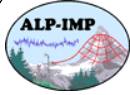
Bratislava : precipitation 1857-2003



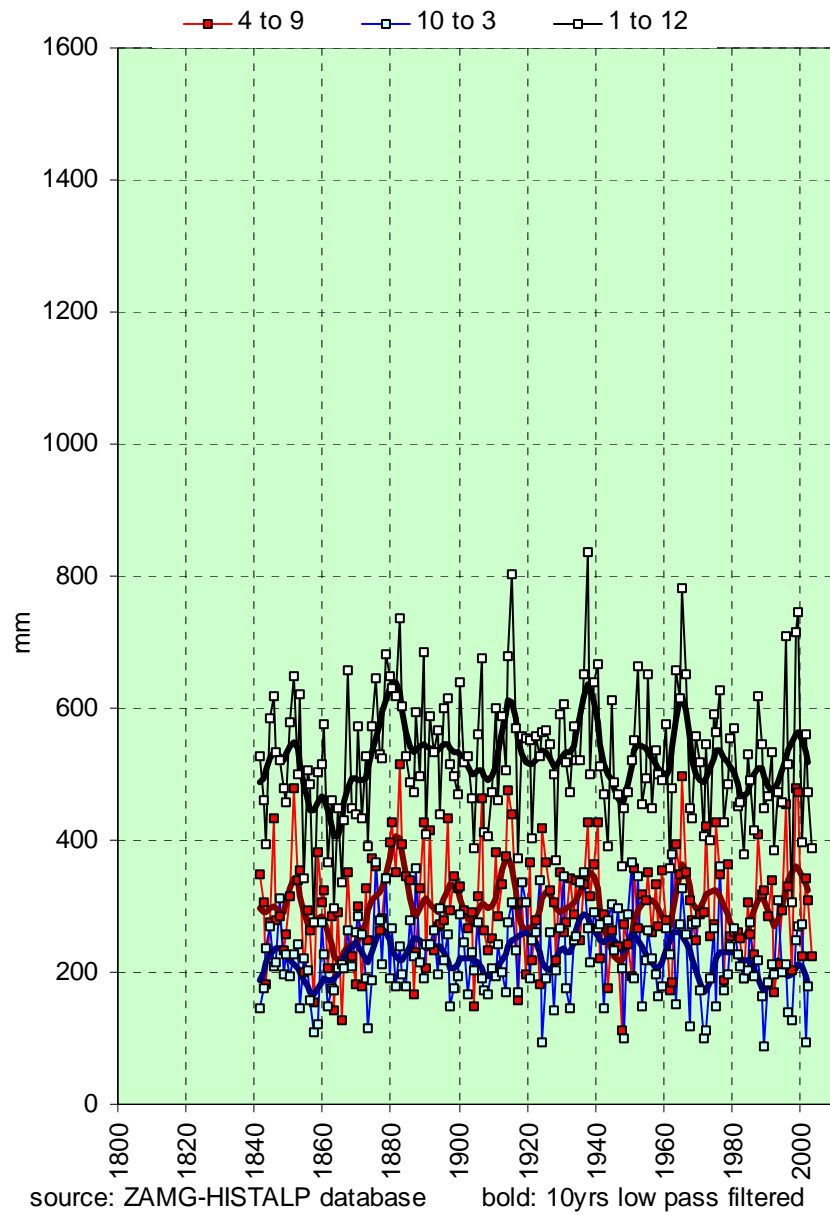


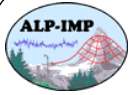
Brno : precipitation 1805-2003



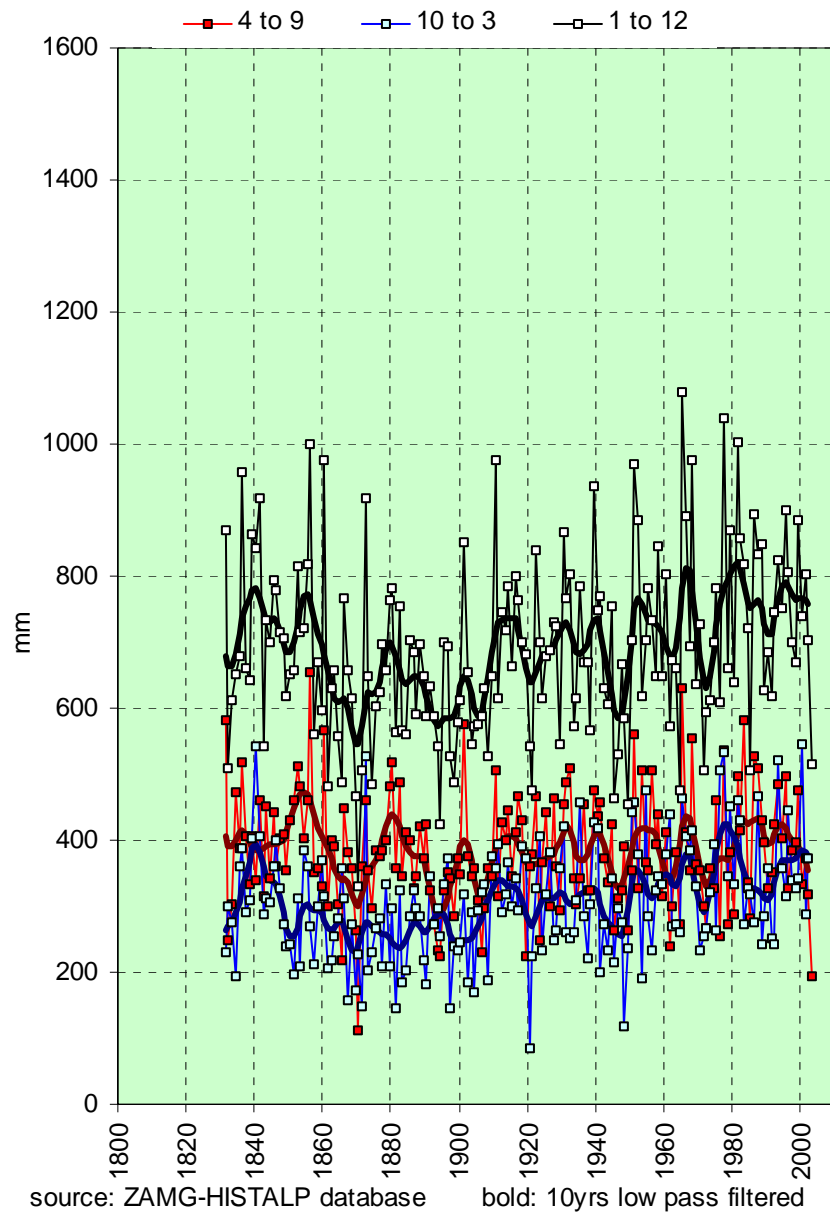


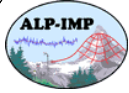
Budapest : precipitation 1841-2003



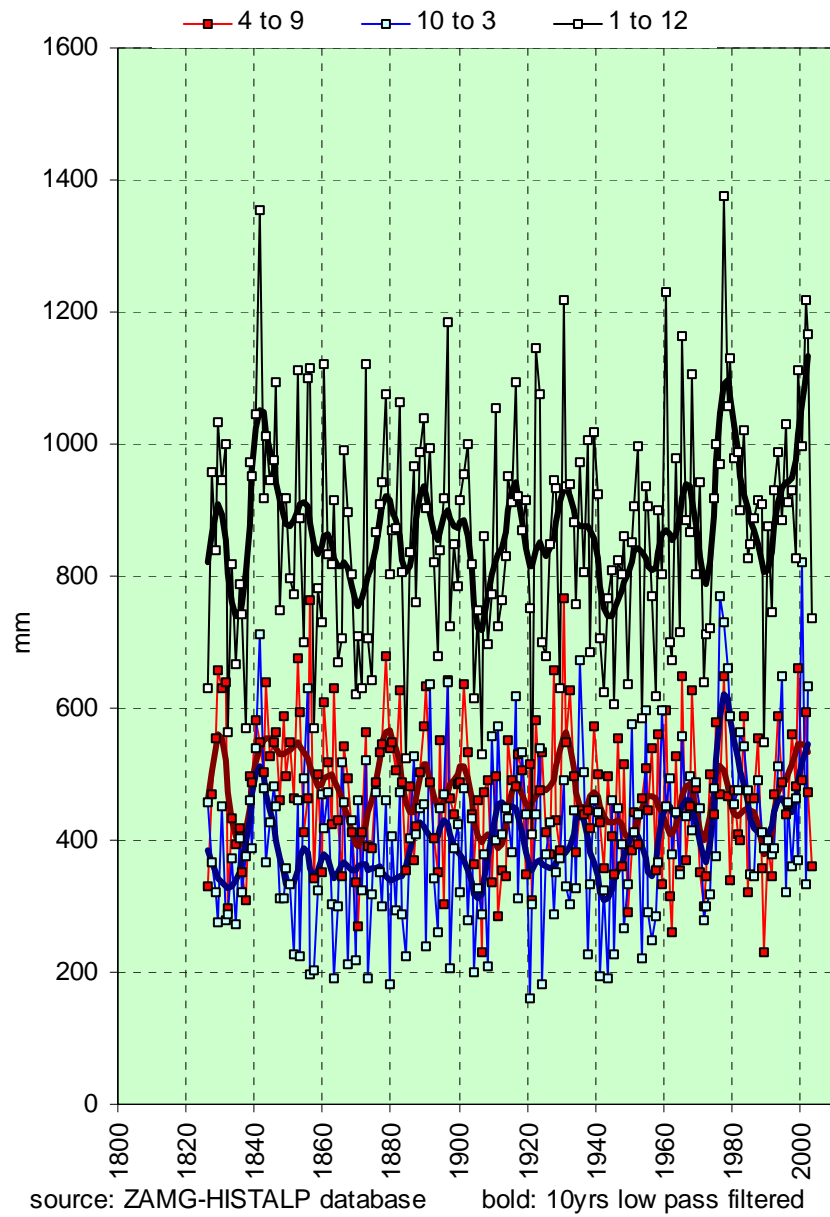


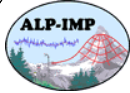
Dijon : precipitation 1831-2003



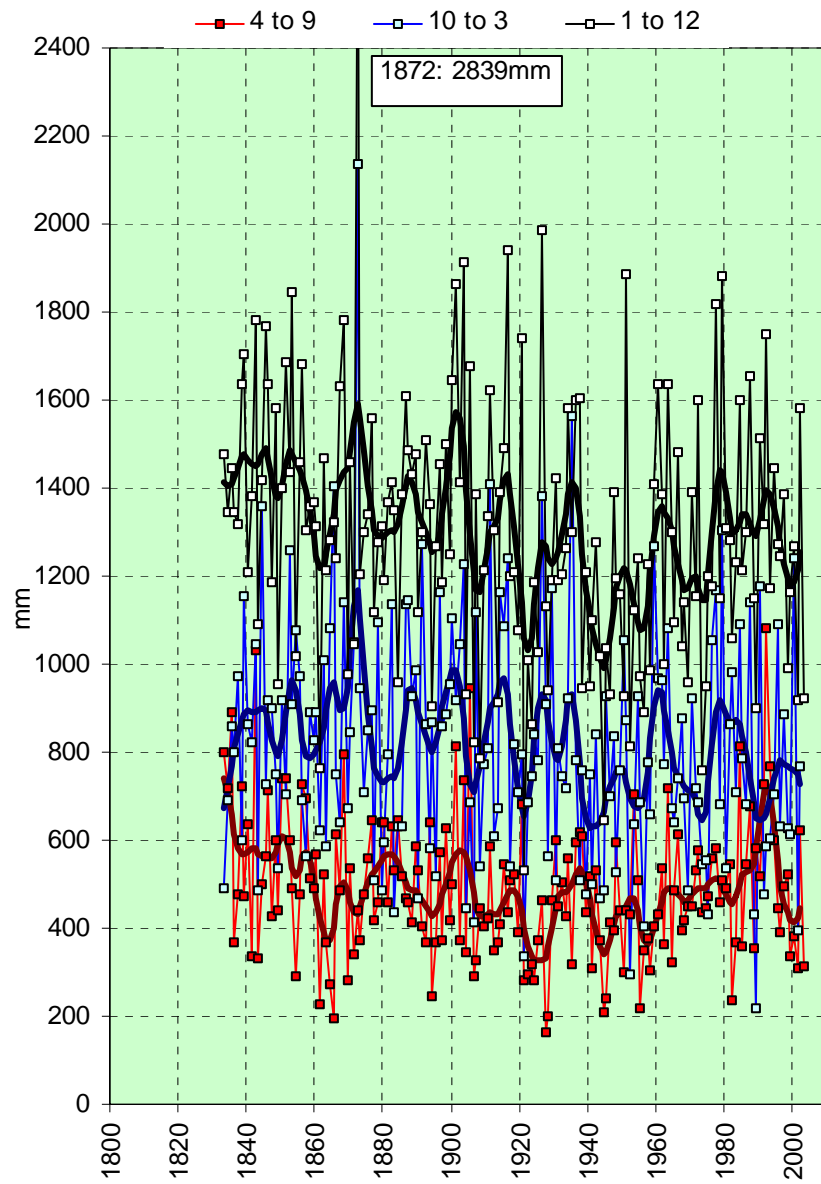


Genève : precipitation 1826-2003



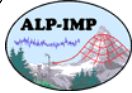


Genova : precipitation 1833-2003

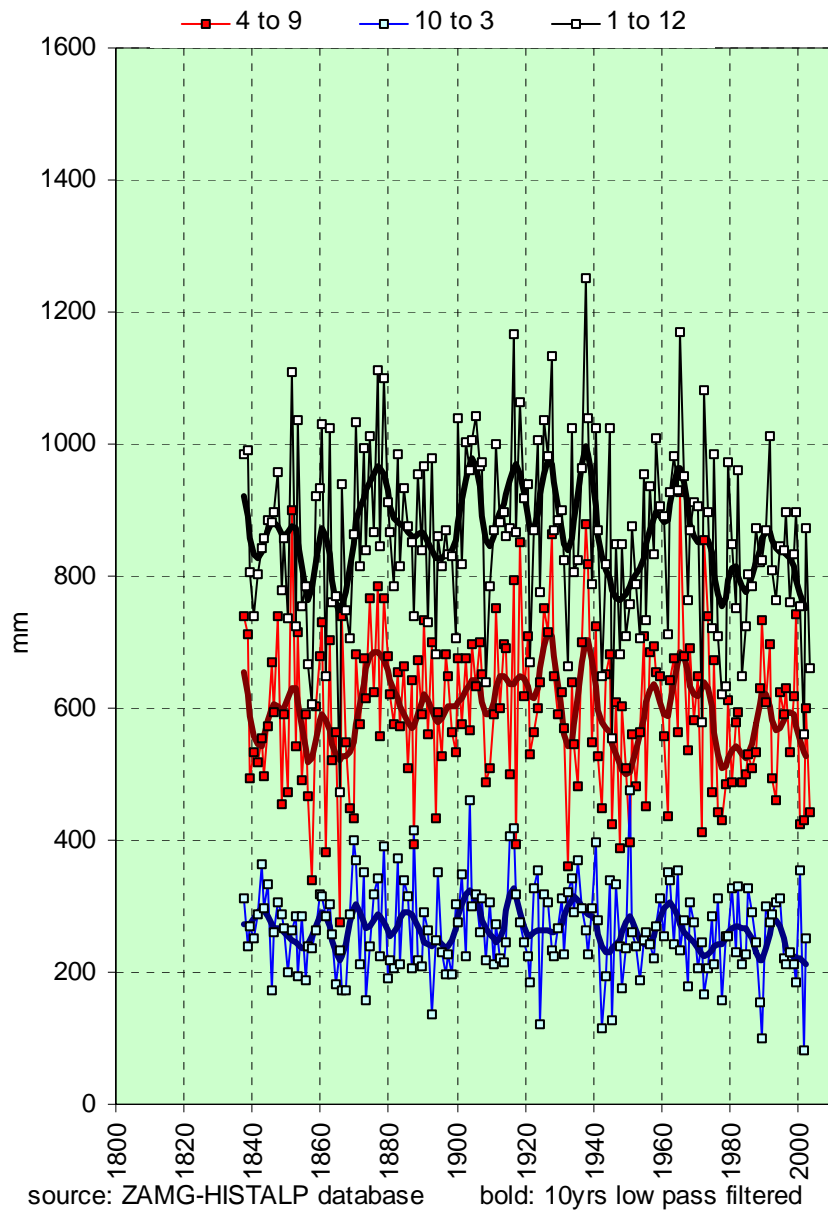


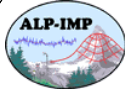
source: ZAMG-HISTALP database

bold: 10yrs low pass

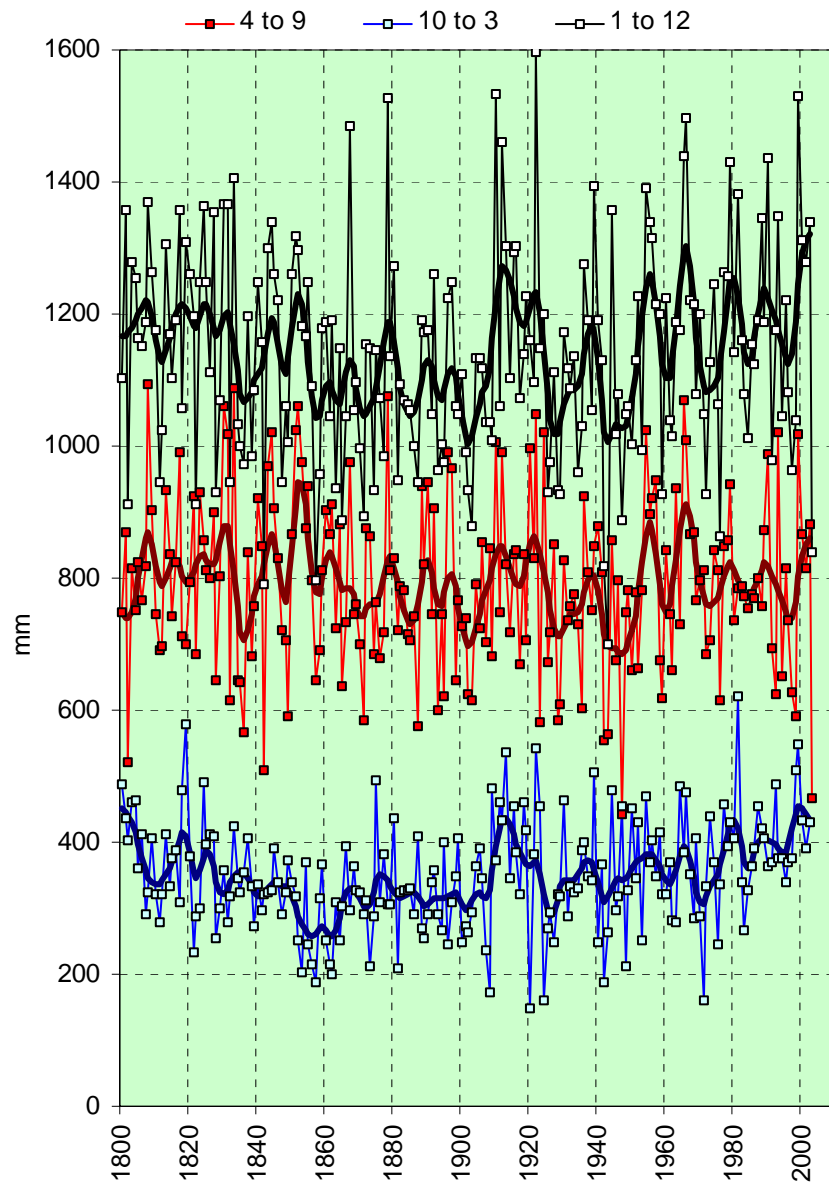


Graz : precipitation 1837-2003



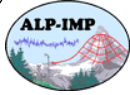


Hohenpeißenberg : precipitation 1800-2003

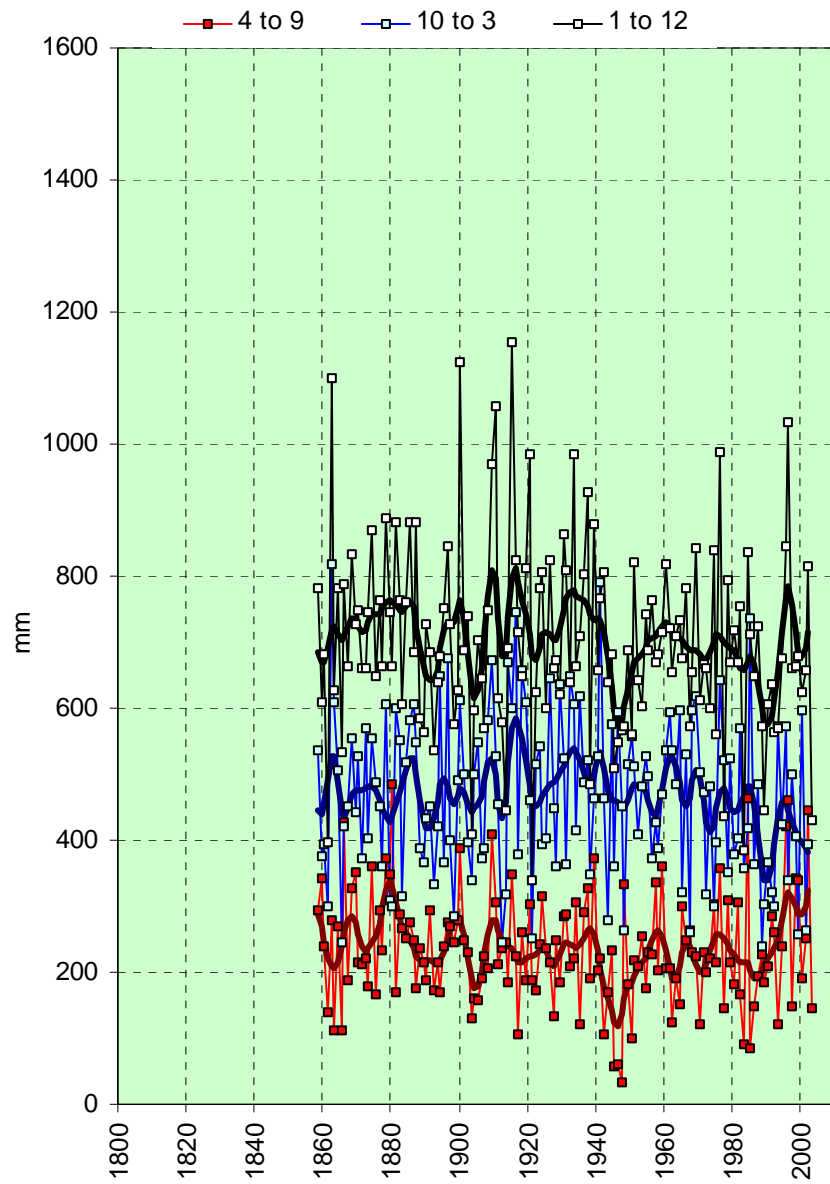


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

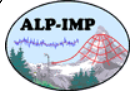


Hvar : precipitation 1858-2003

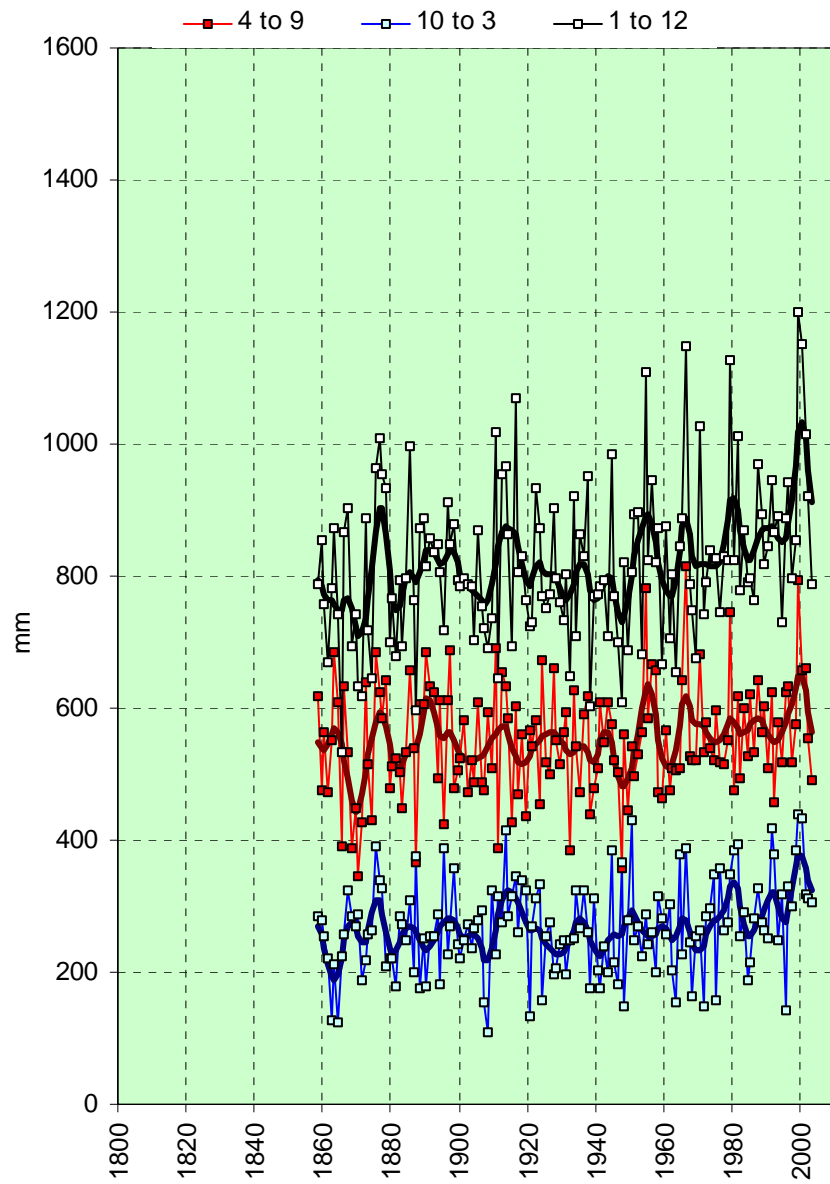


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

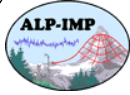


Innsbruck : precipitation 1858-2003

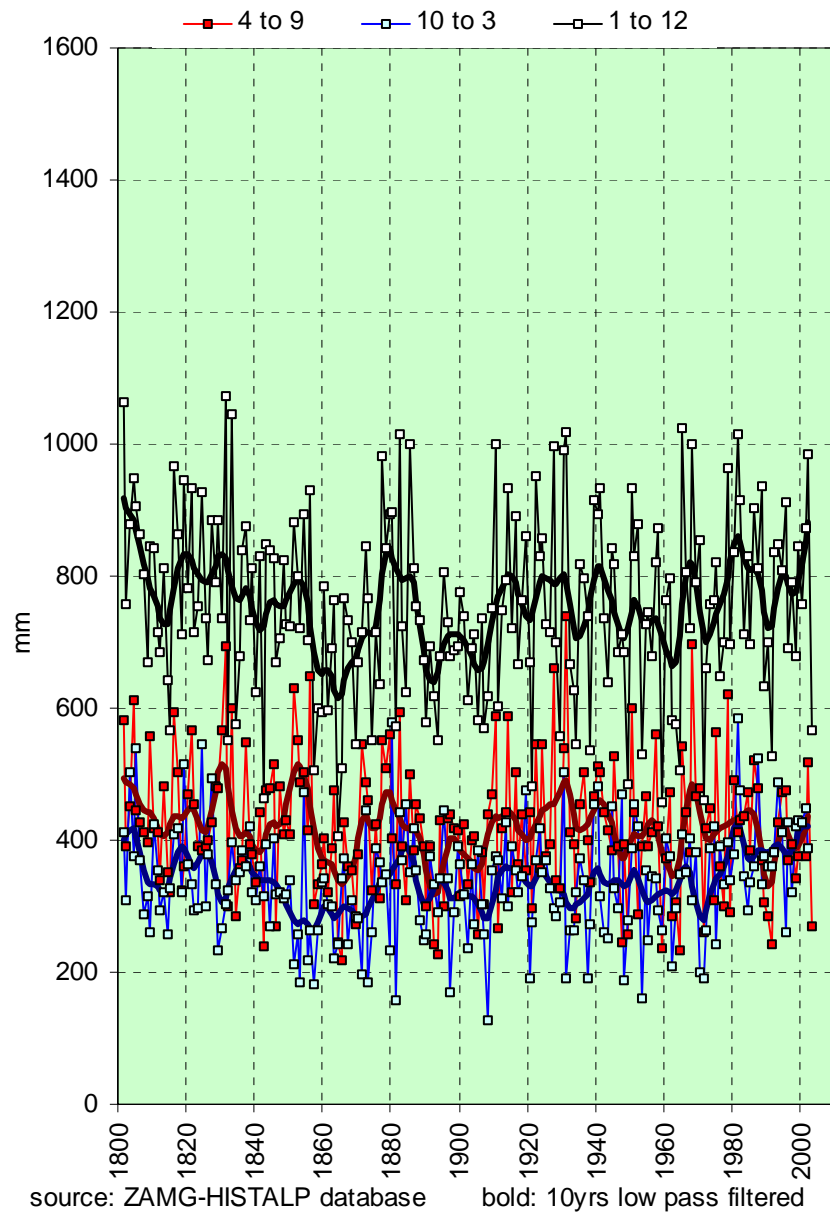


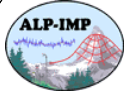
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

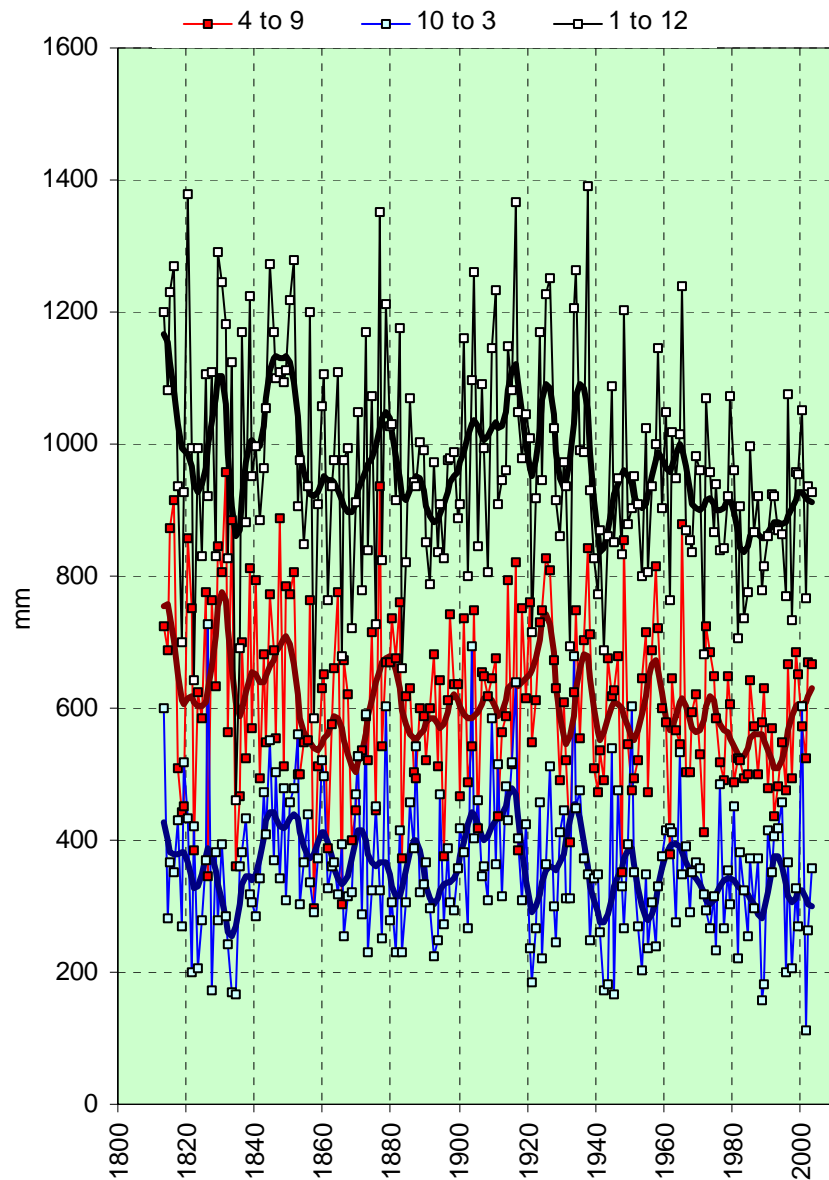


Karlsruhe : precipitation 1801-2003



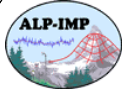


Klagenfurt : precipitation 1813-2003

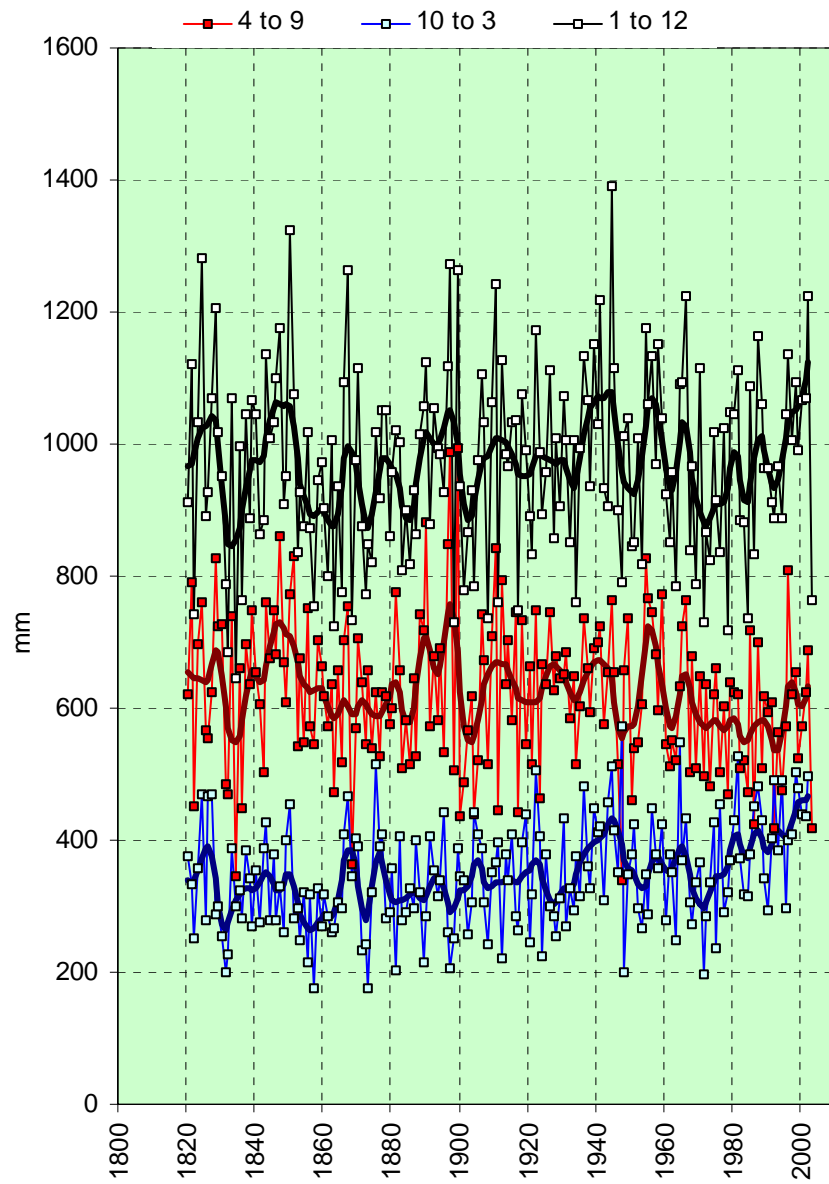


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

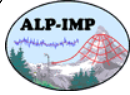


Kremsmünster : precipitation 1820-2003

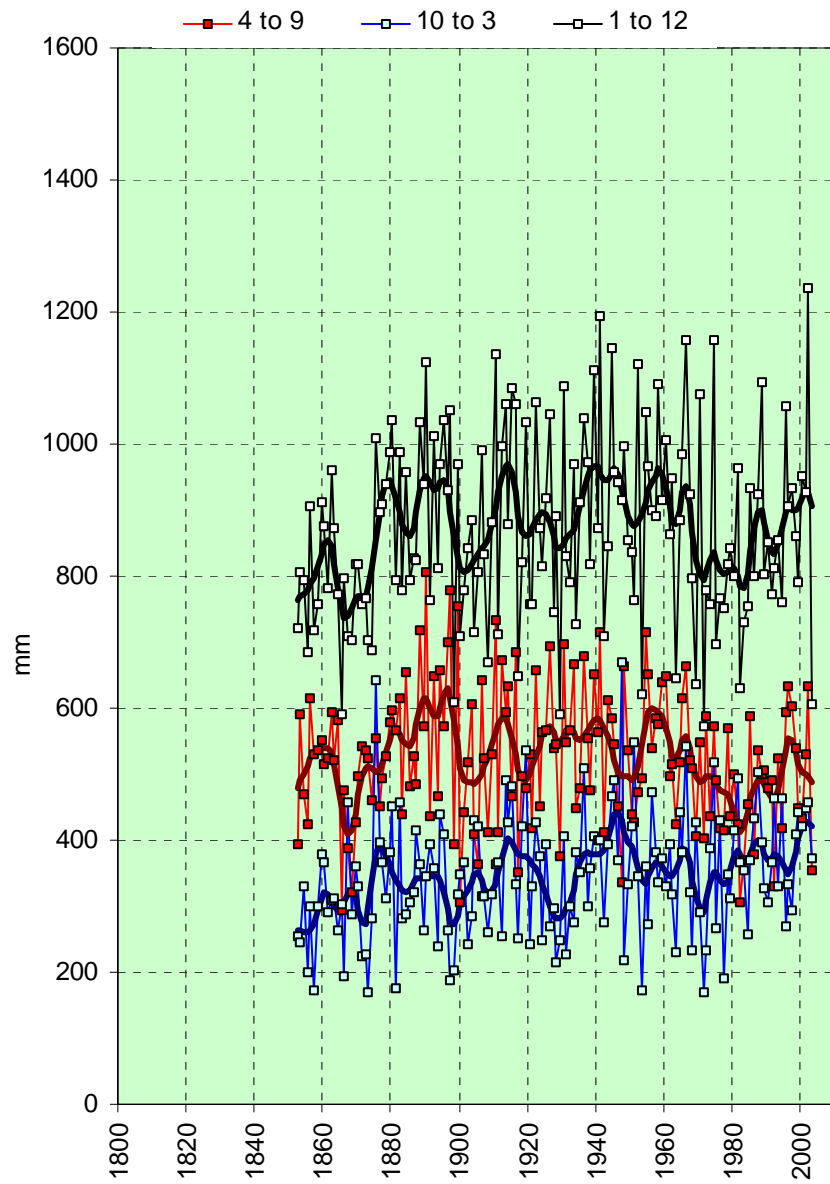


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

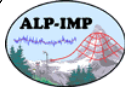


Linz : precipitation 1852-2003

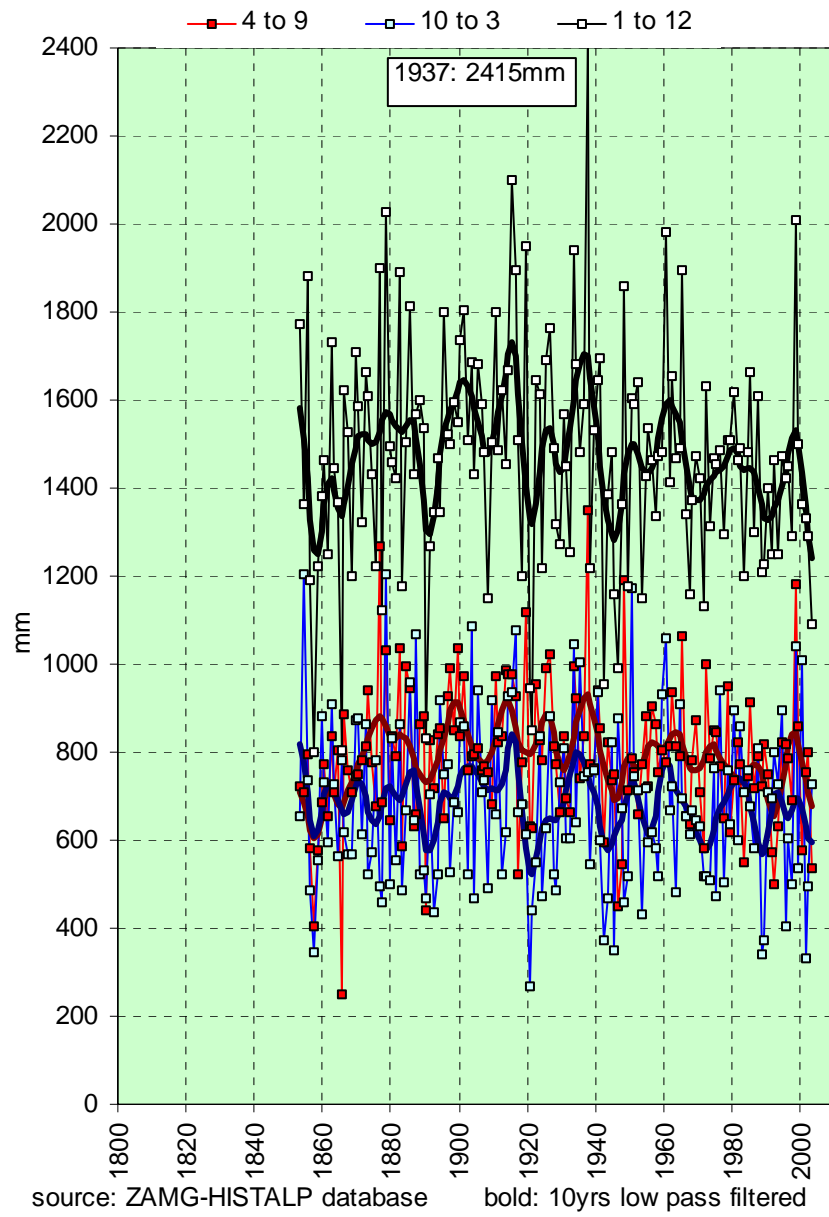


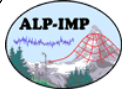
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

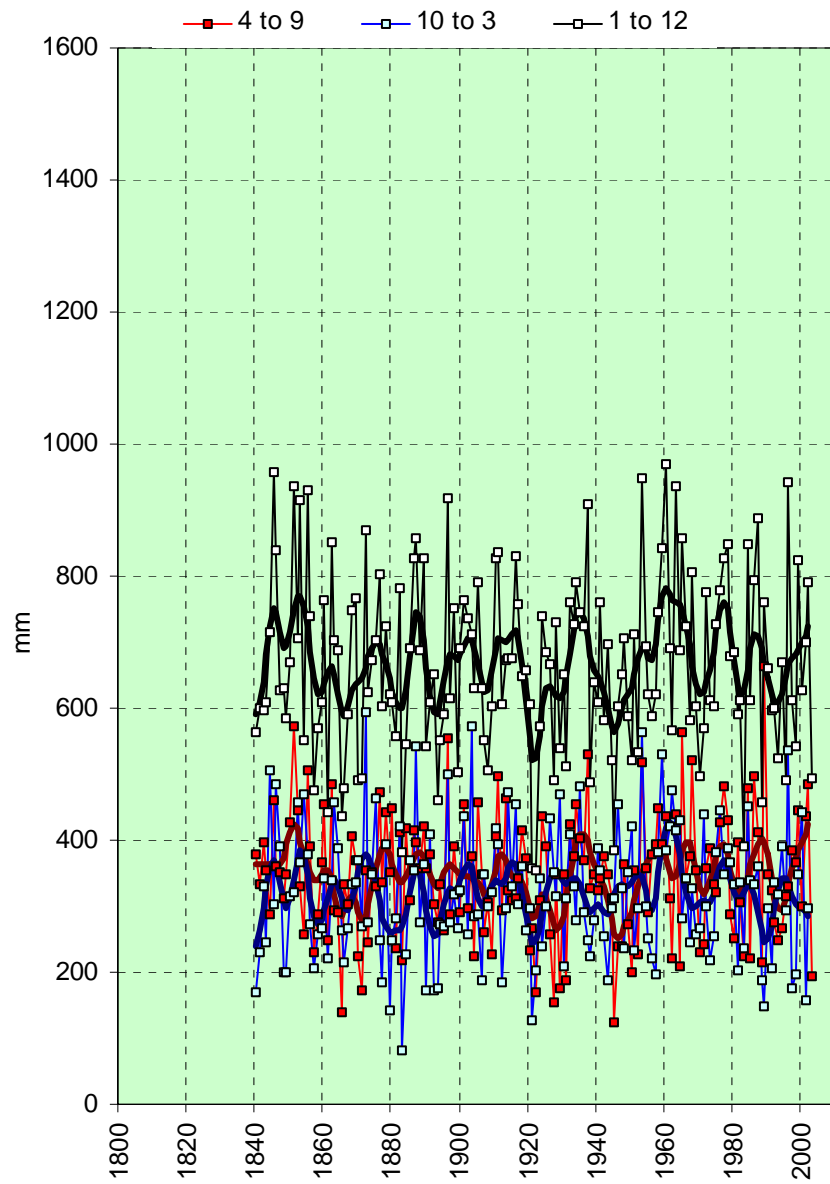


Ljubljana : precipitation 1853-2003



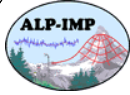


Mantova : precipitation 1840-2003

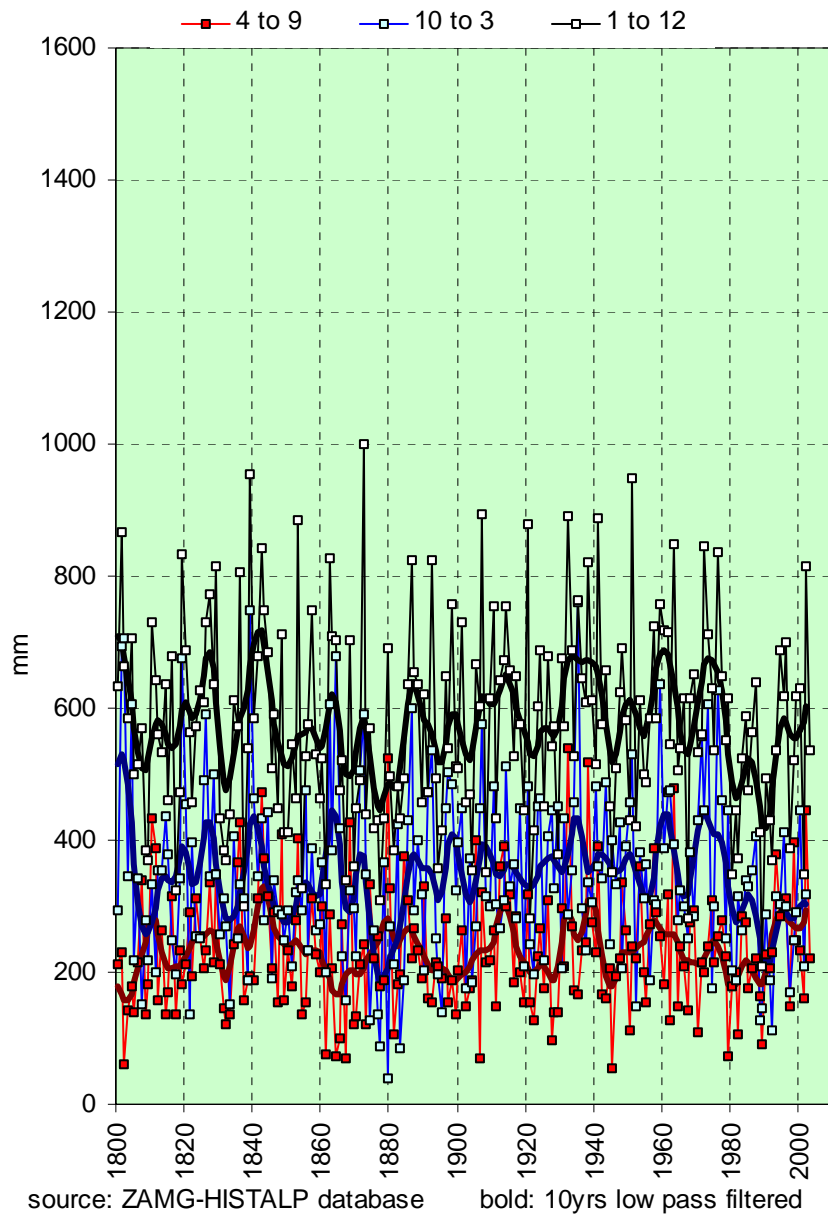


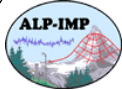
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

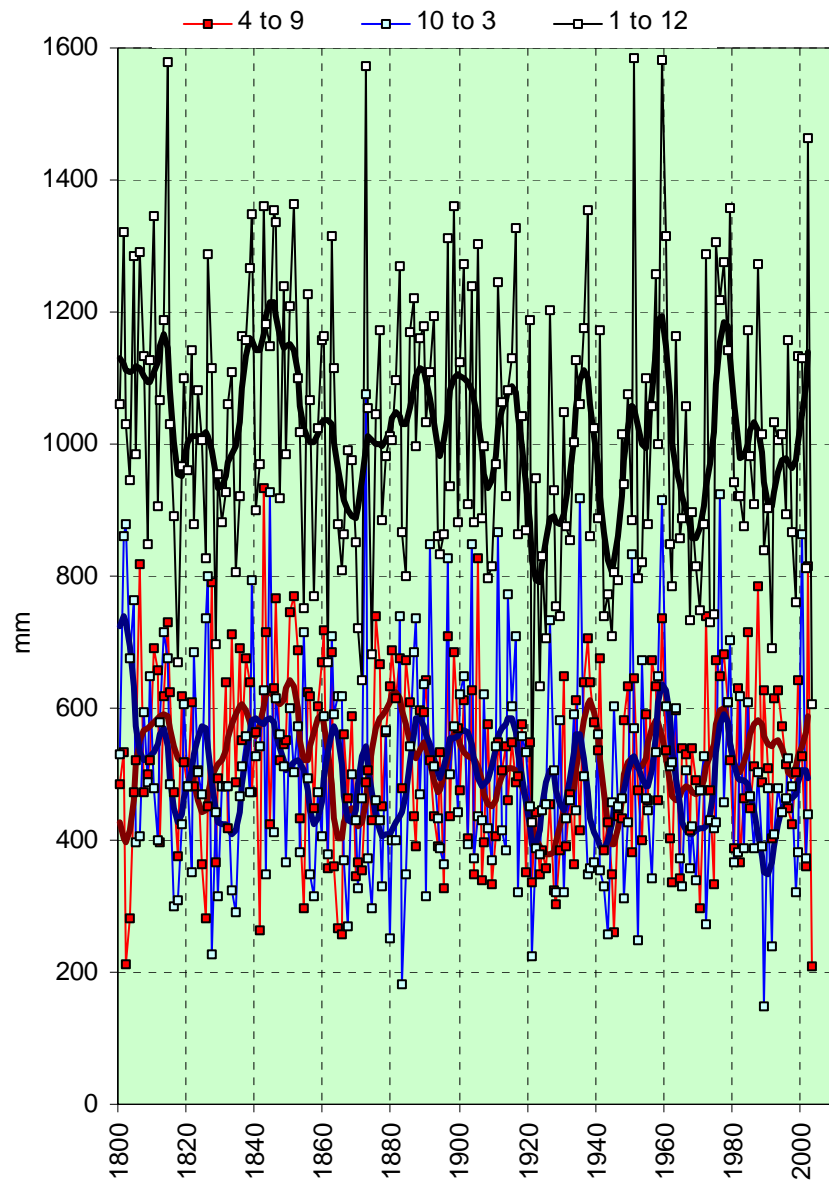


Marseille : precipitation 1800-2003



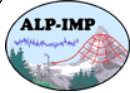


Milano : precipitation 1800-2003

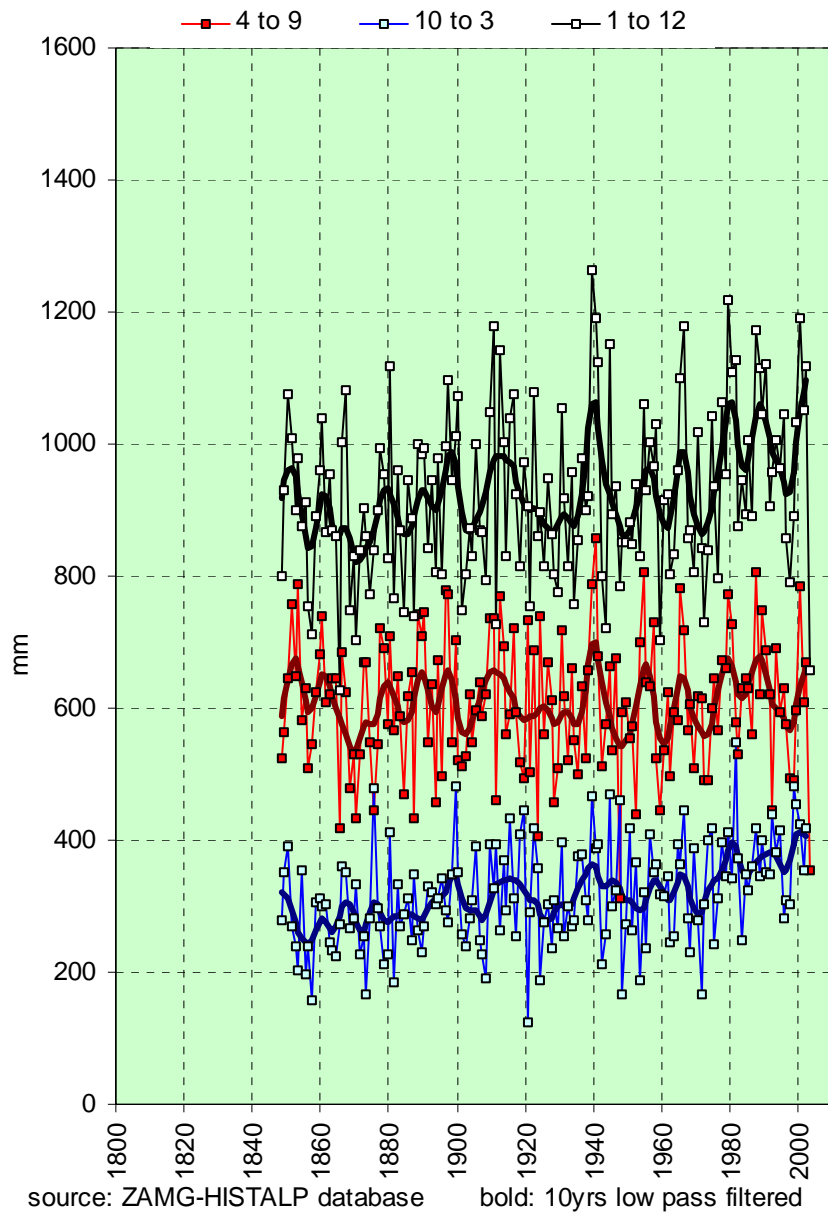


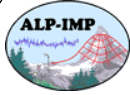
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

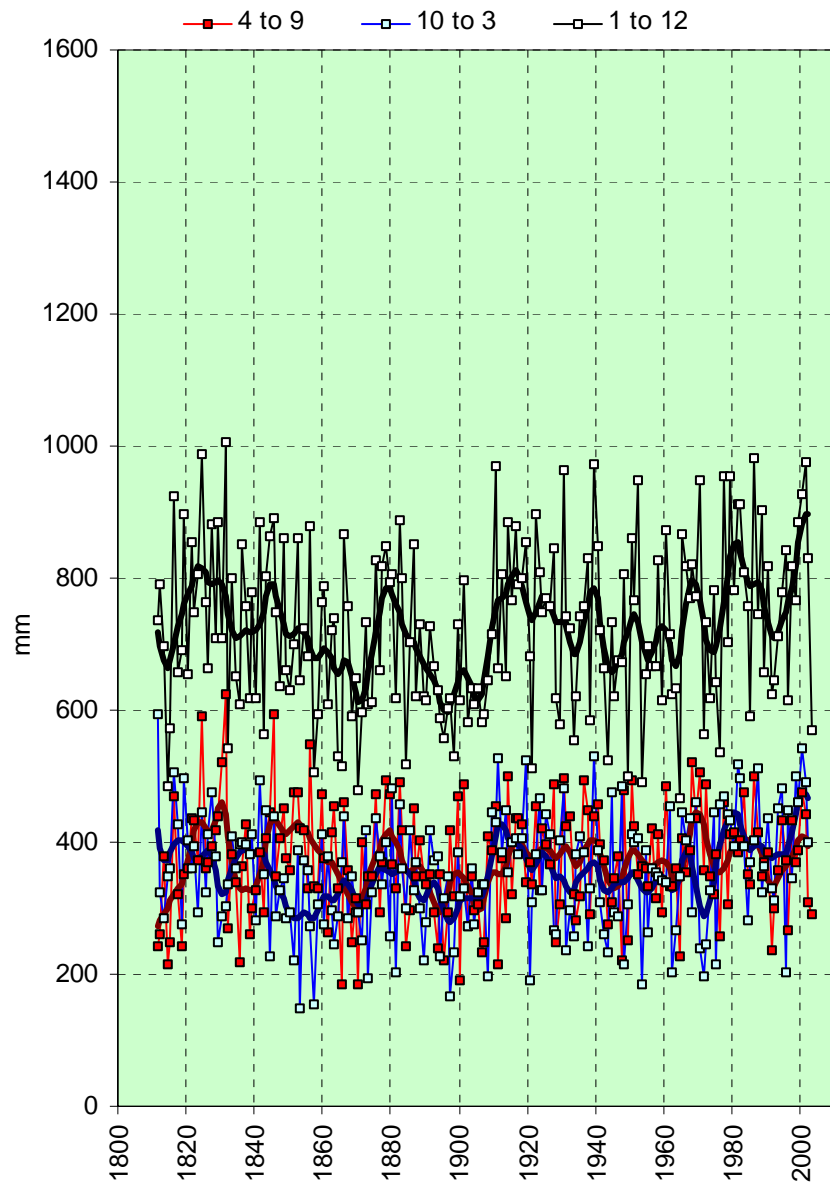


München : precipitation 1848-2003



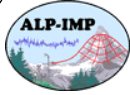


Nancy : precipitation 1811-2003

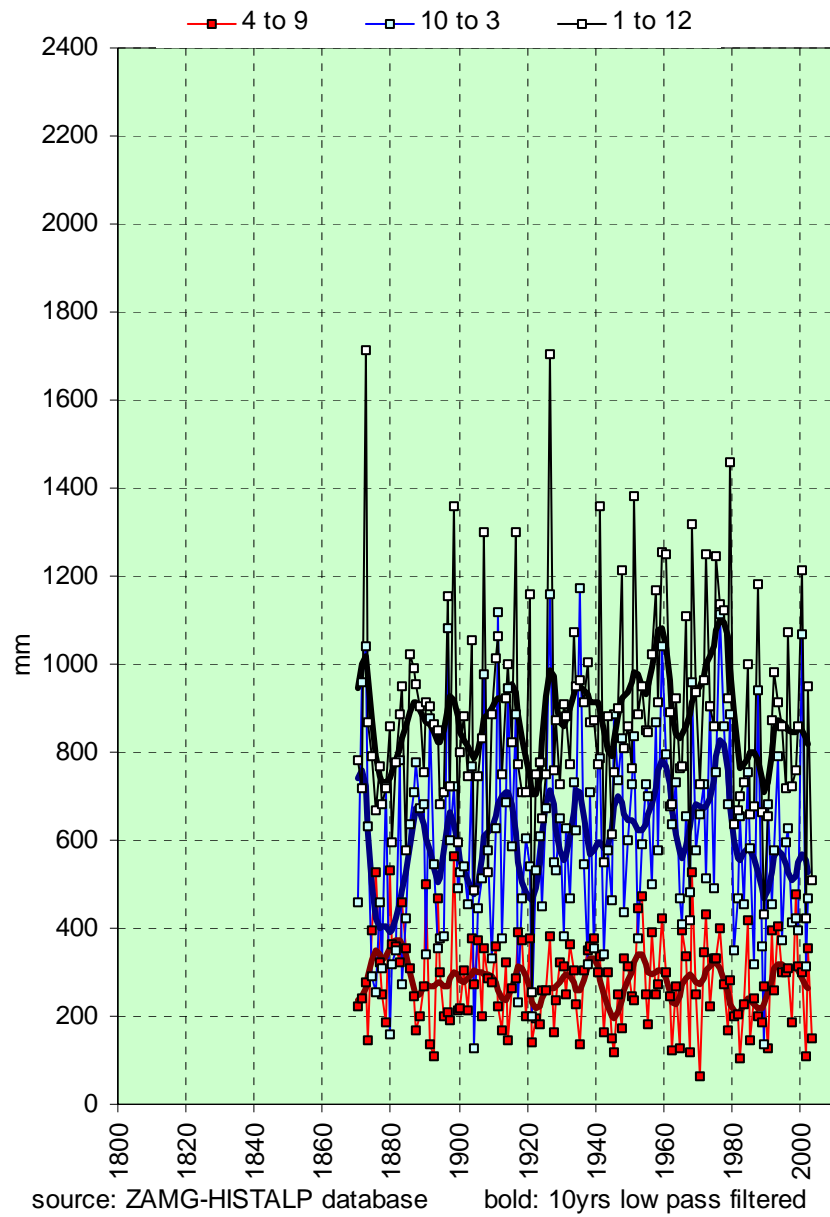


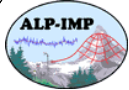
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

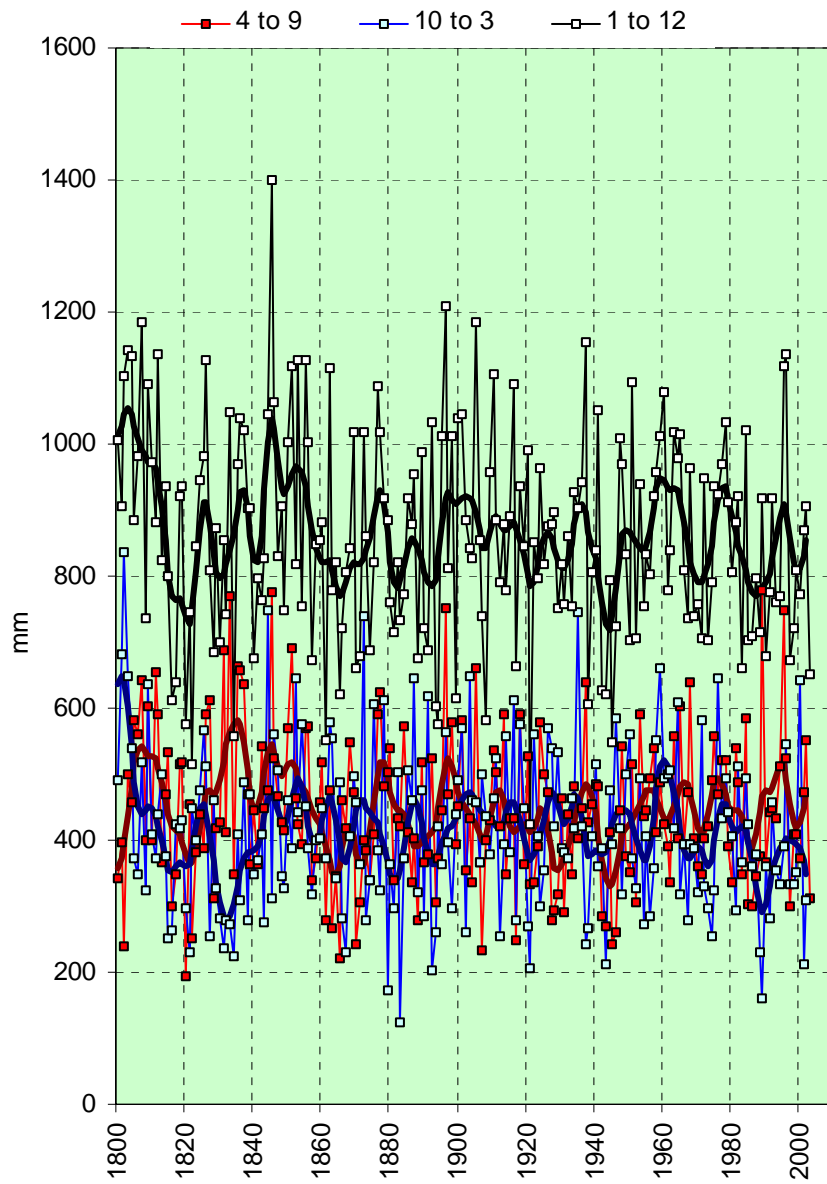


Nice : precipitation 1870-2003



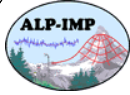


Padova : precipitation 1800-2003

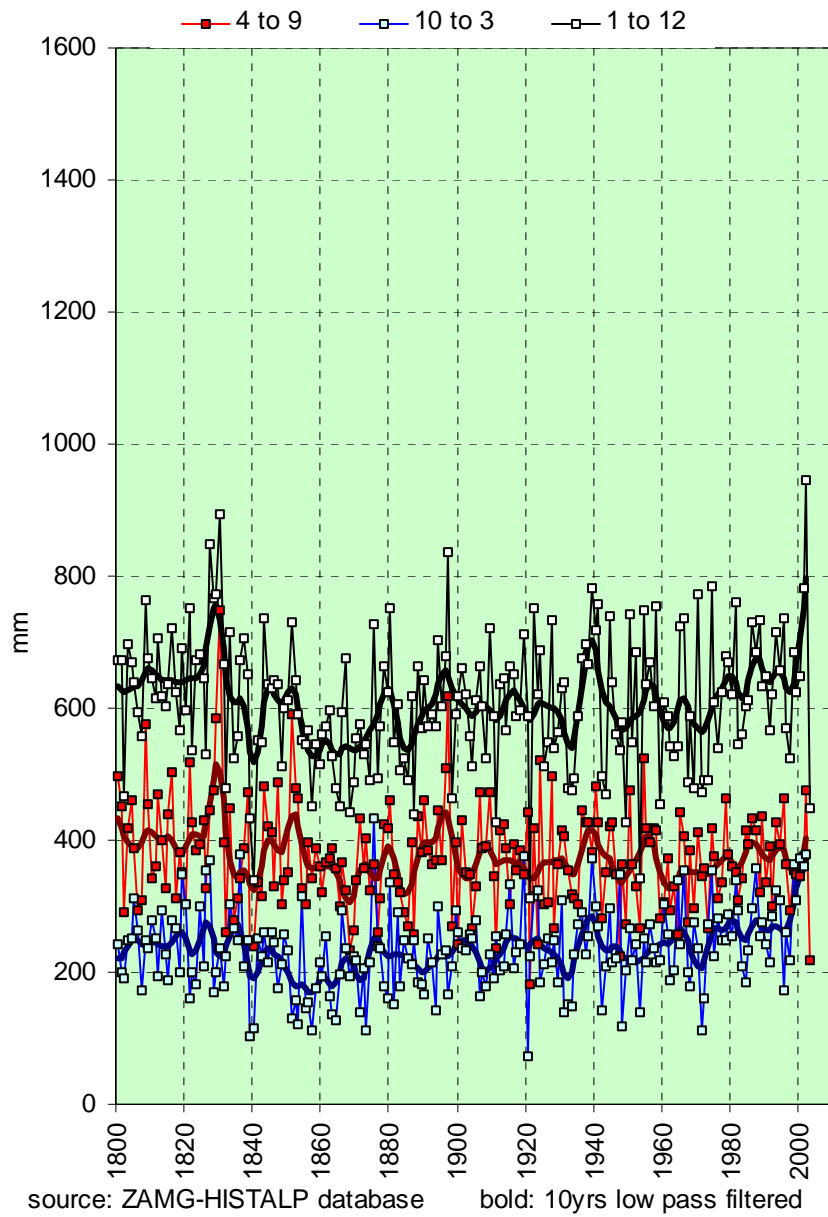


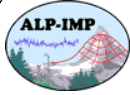
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

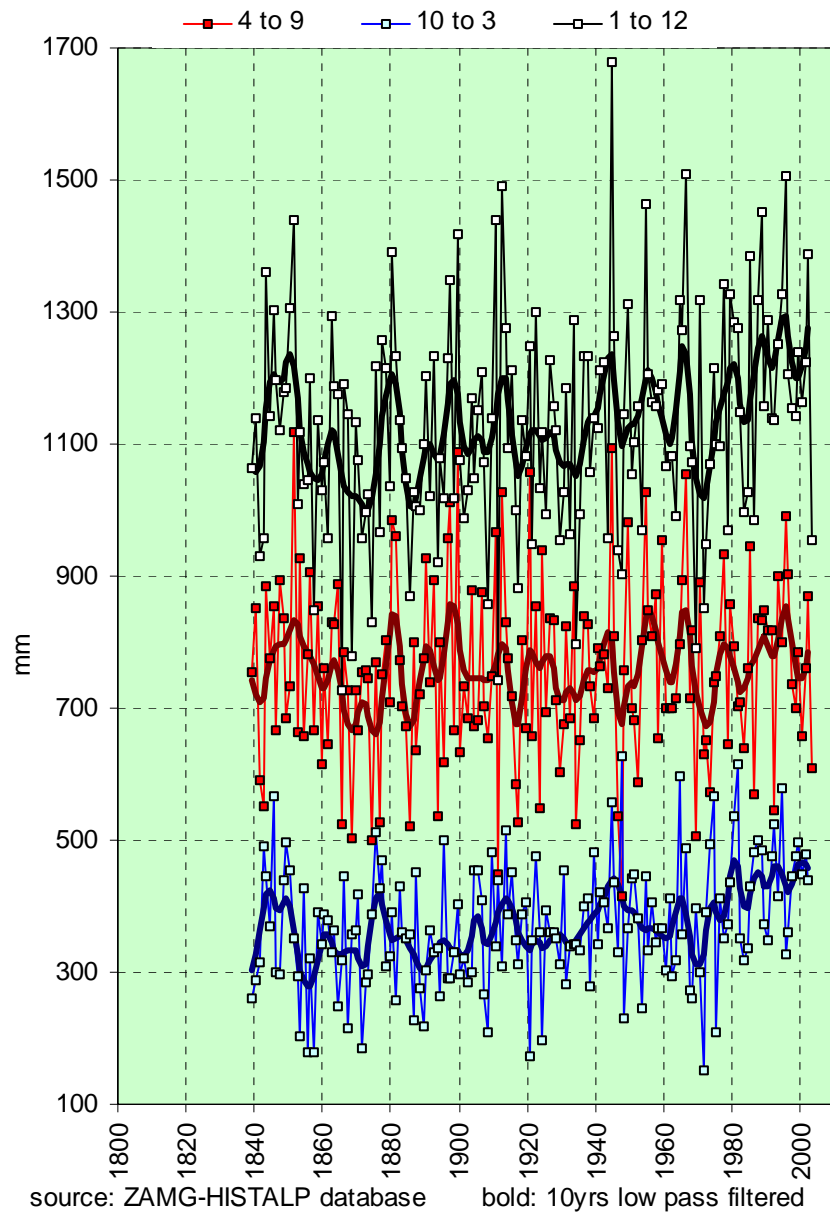


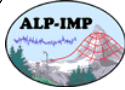
Regensburg : precipitation 1800-2003



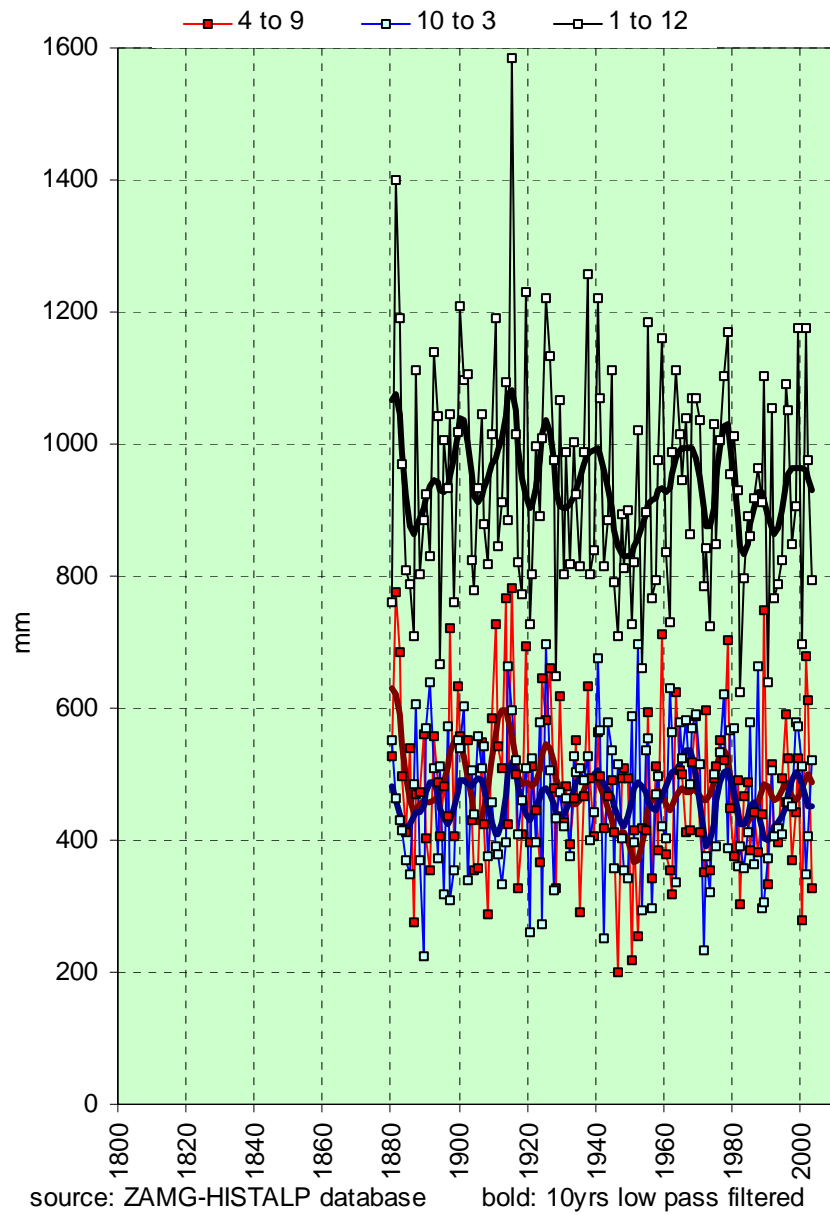


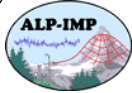
Salzburg : precipitation 1839-2003



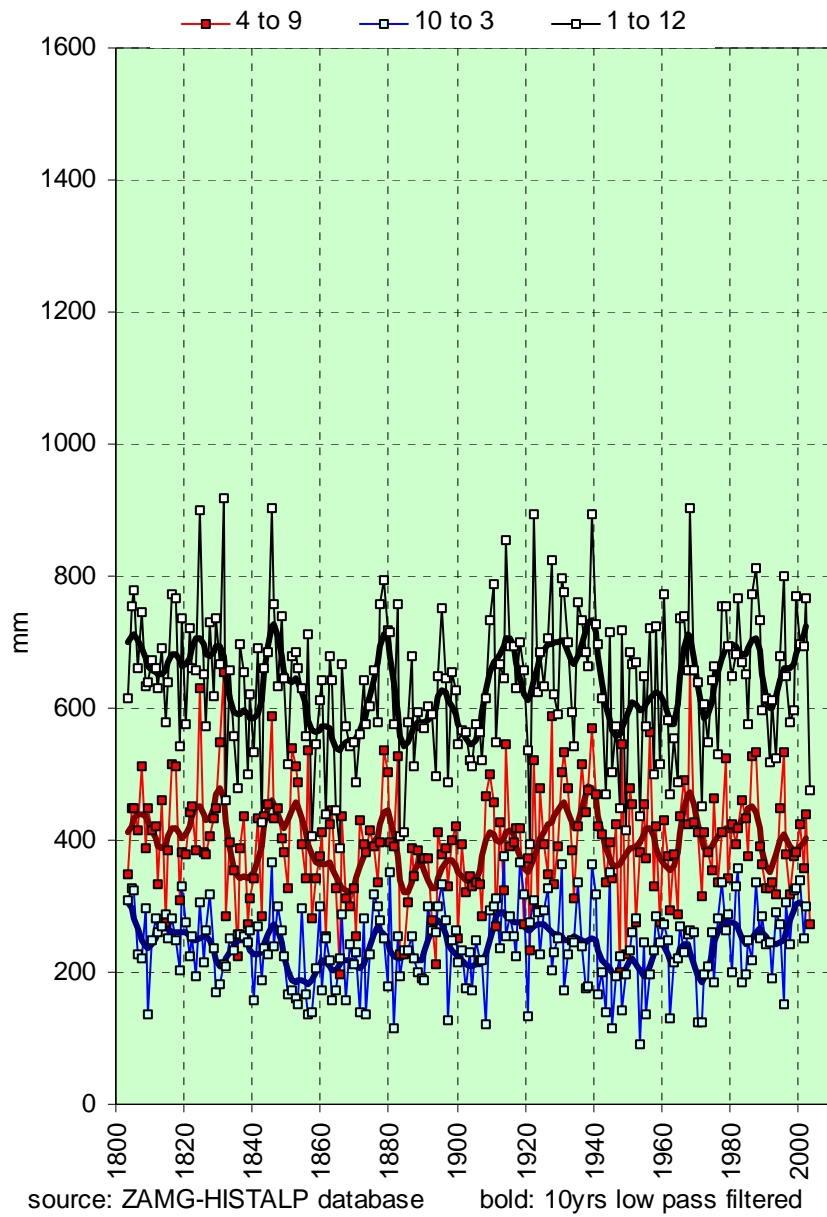


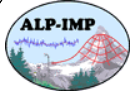
Sarajewo : precipitation 1880-2003



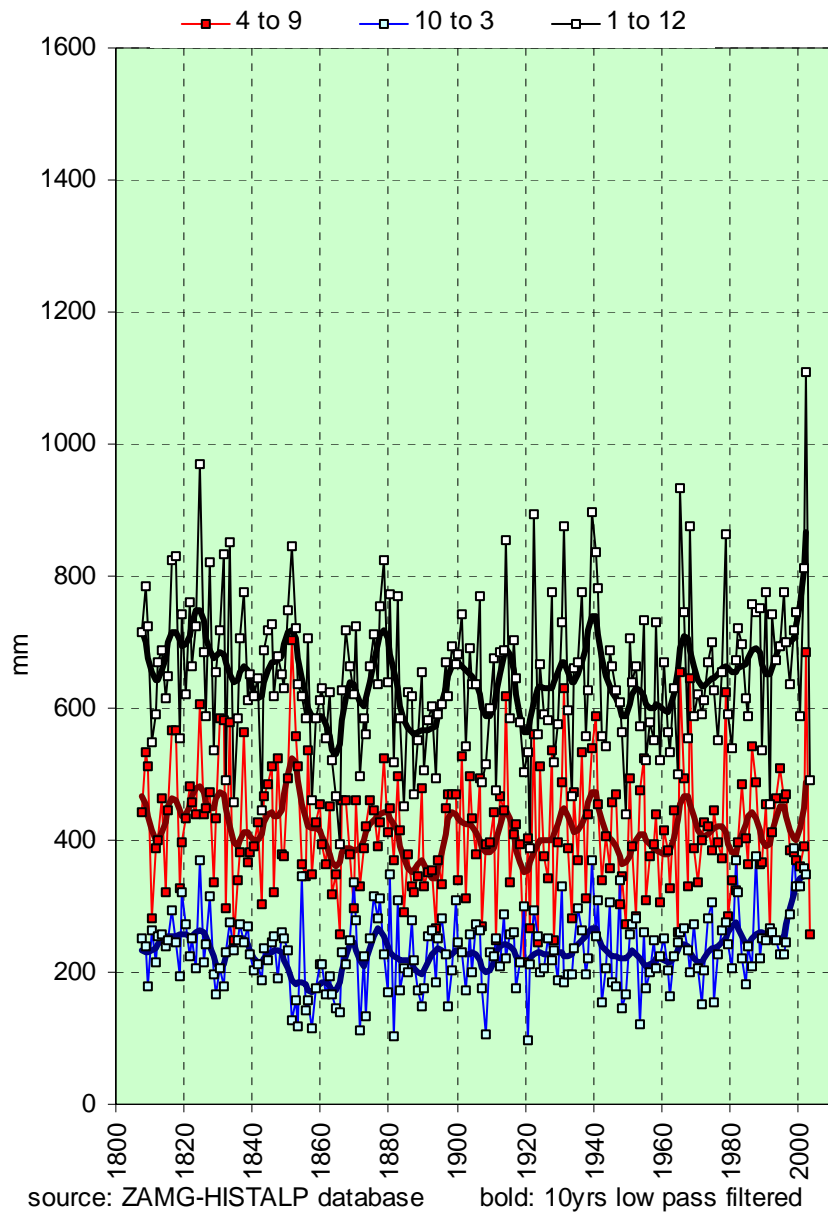


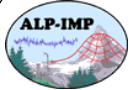
Strasbourg : precipitation 1803-2003



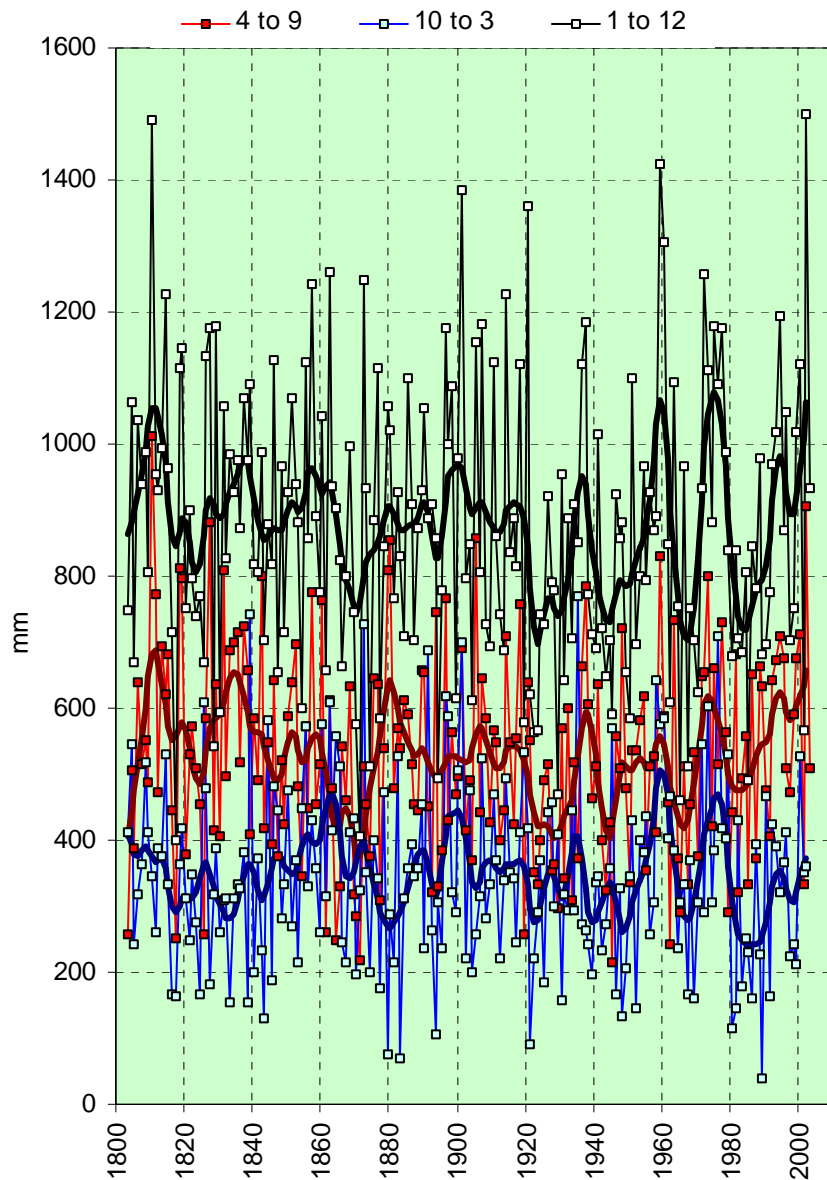


Stuttgart : precipitation 1807-2003



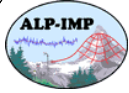


Torino : precipitation 1803-2003

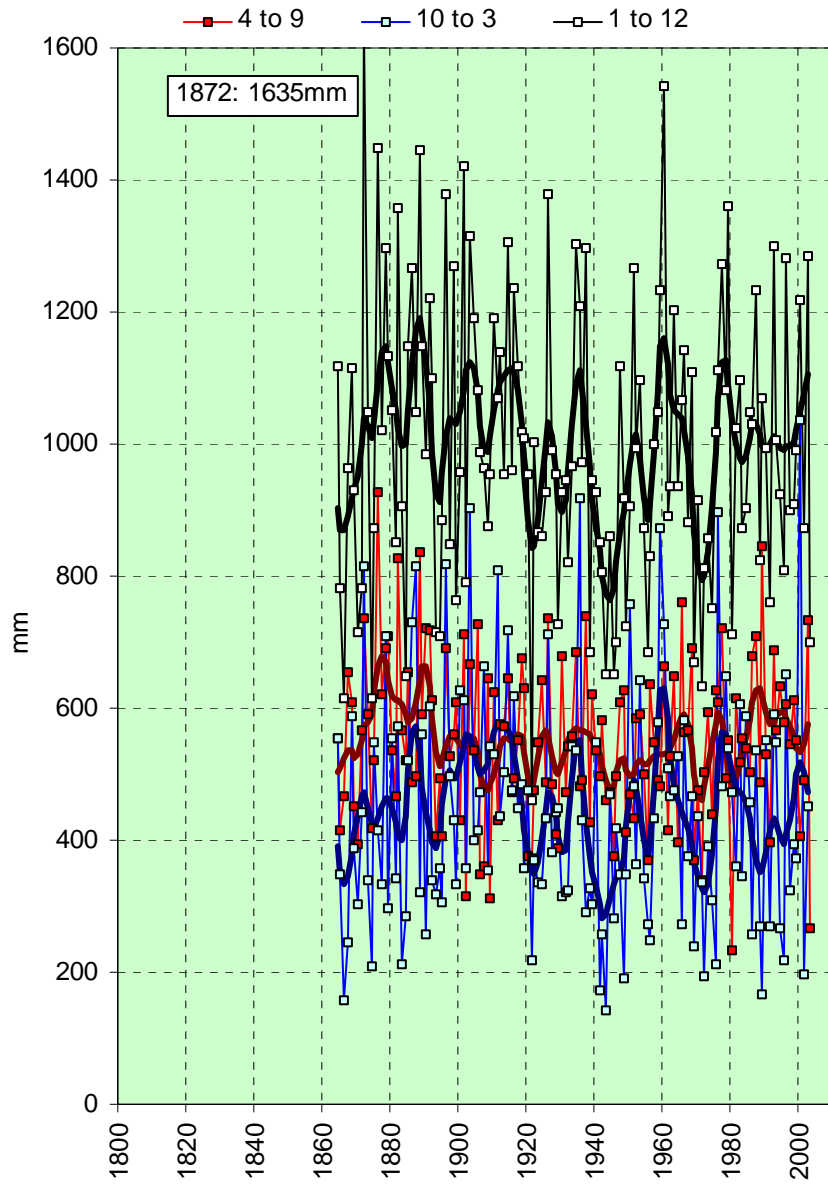


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

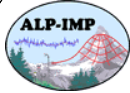


Trento : precipitation 1864-2003

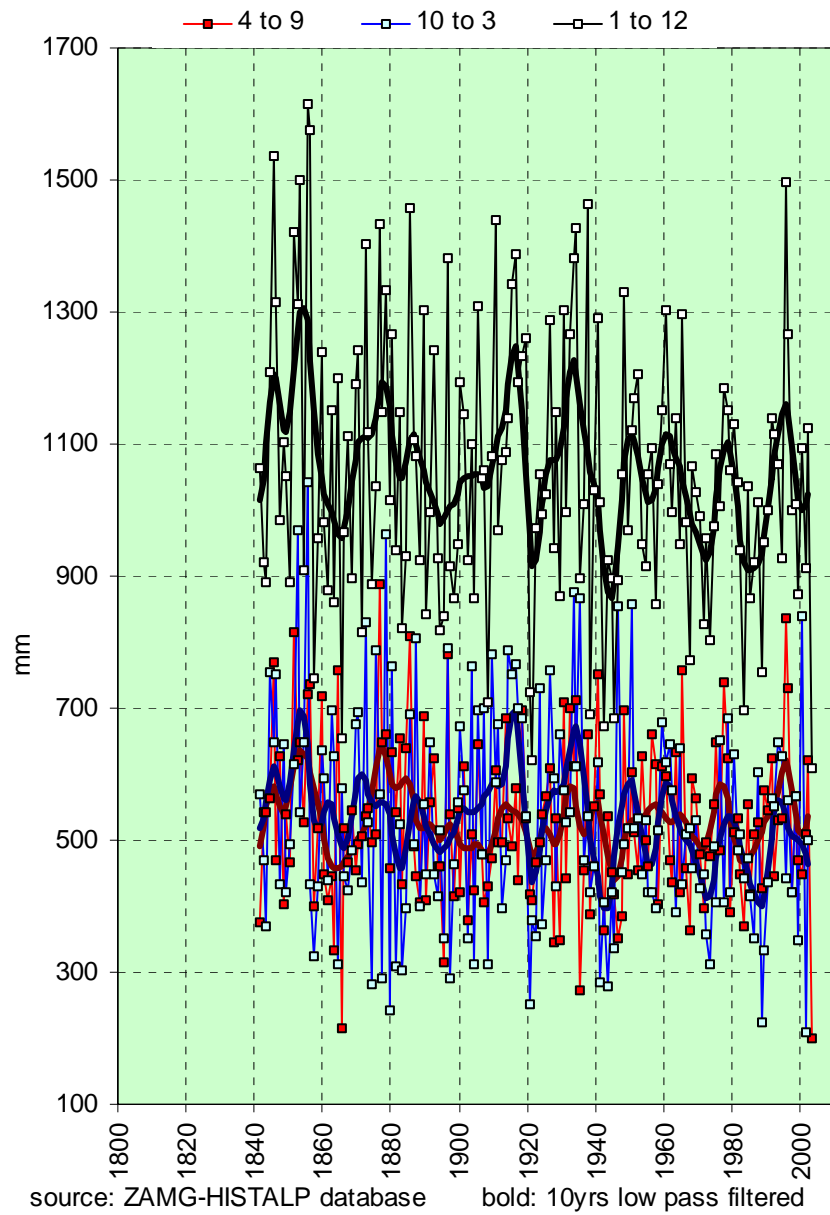


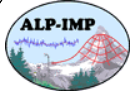
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

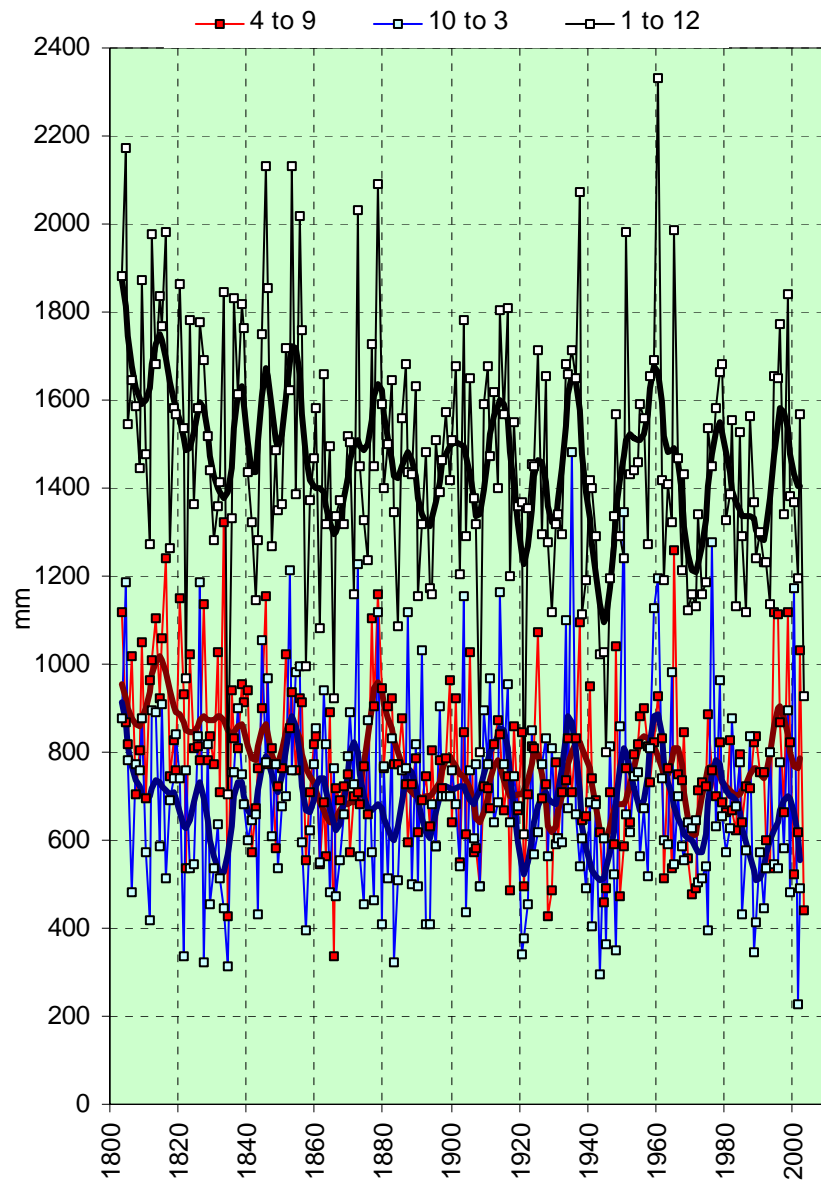


Trieste : precipitation 1841-2003



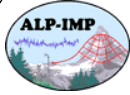


Udine : precipitation 1803-2003

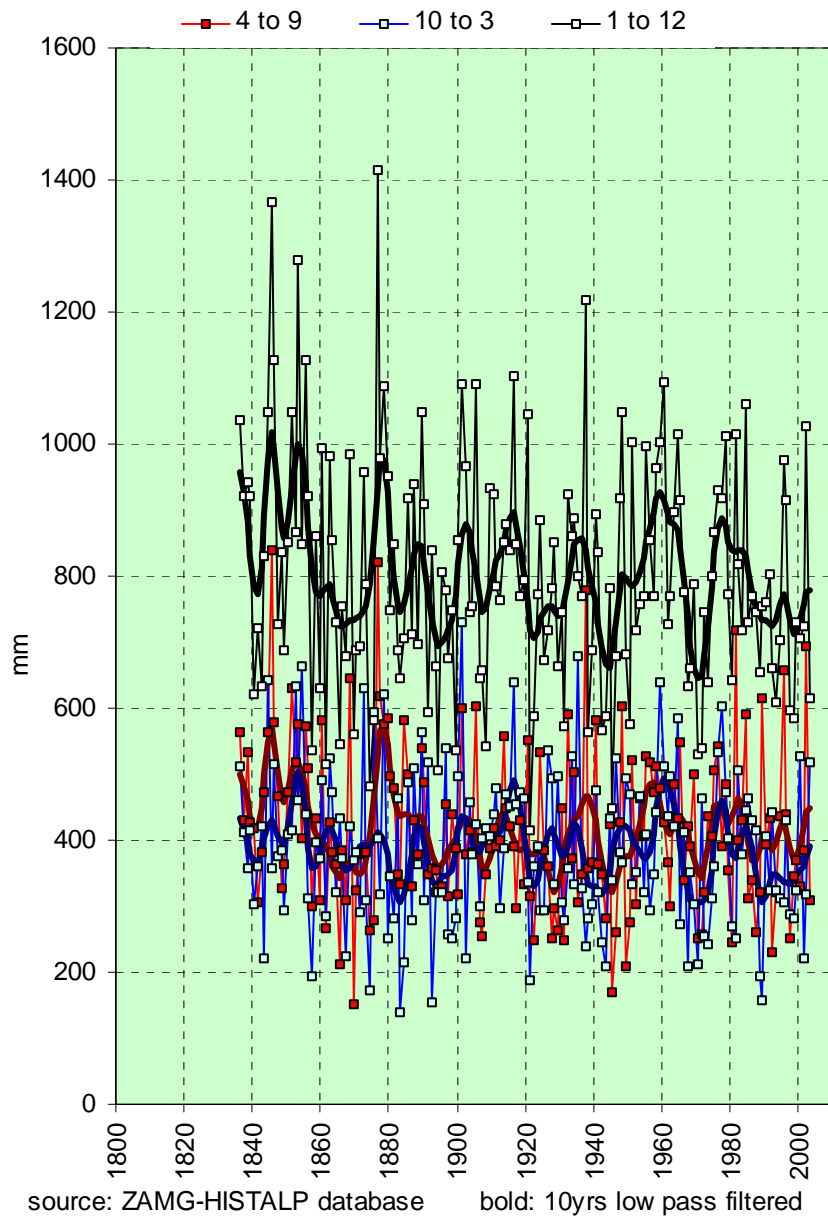


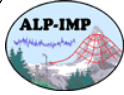
source: ZAMG-HISTALP database

bold: 10yrs low pass

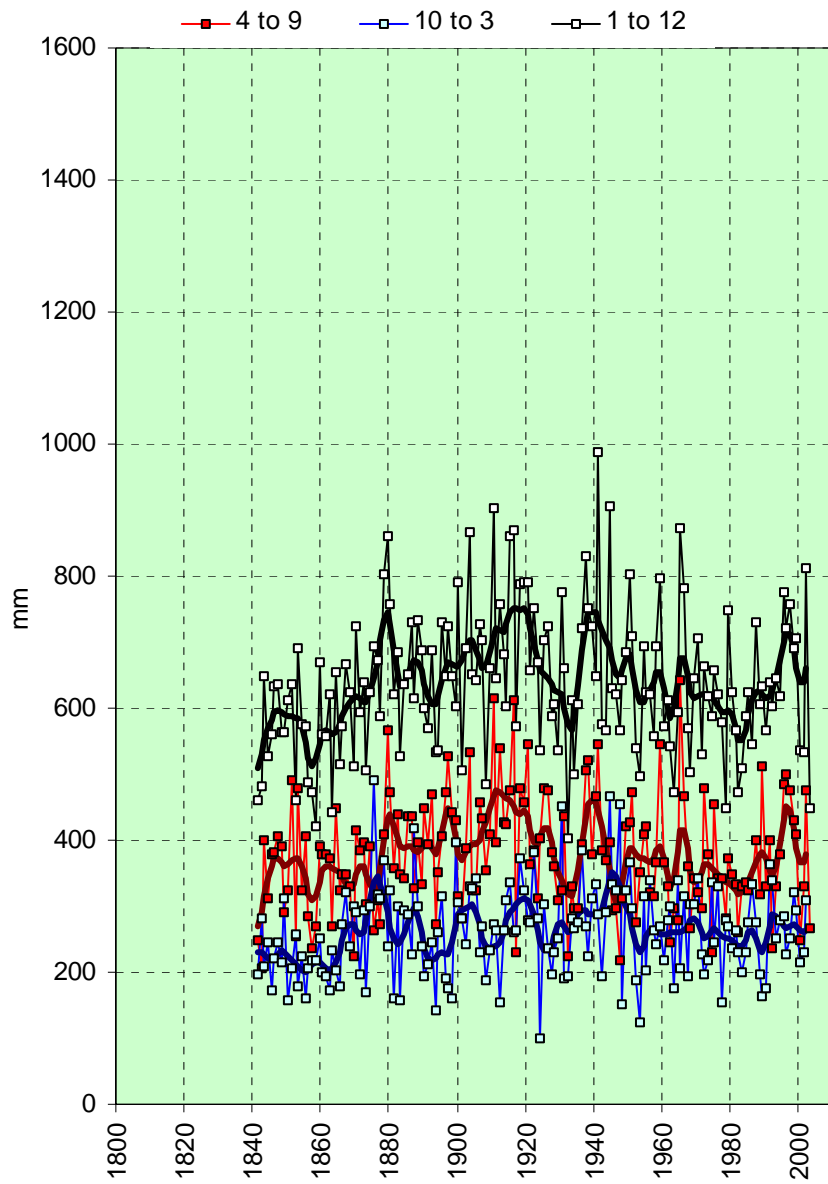


Venezia : precipitation 1836-2003



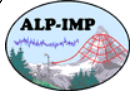


Wien : precipitation 1841-2003

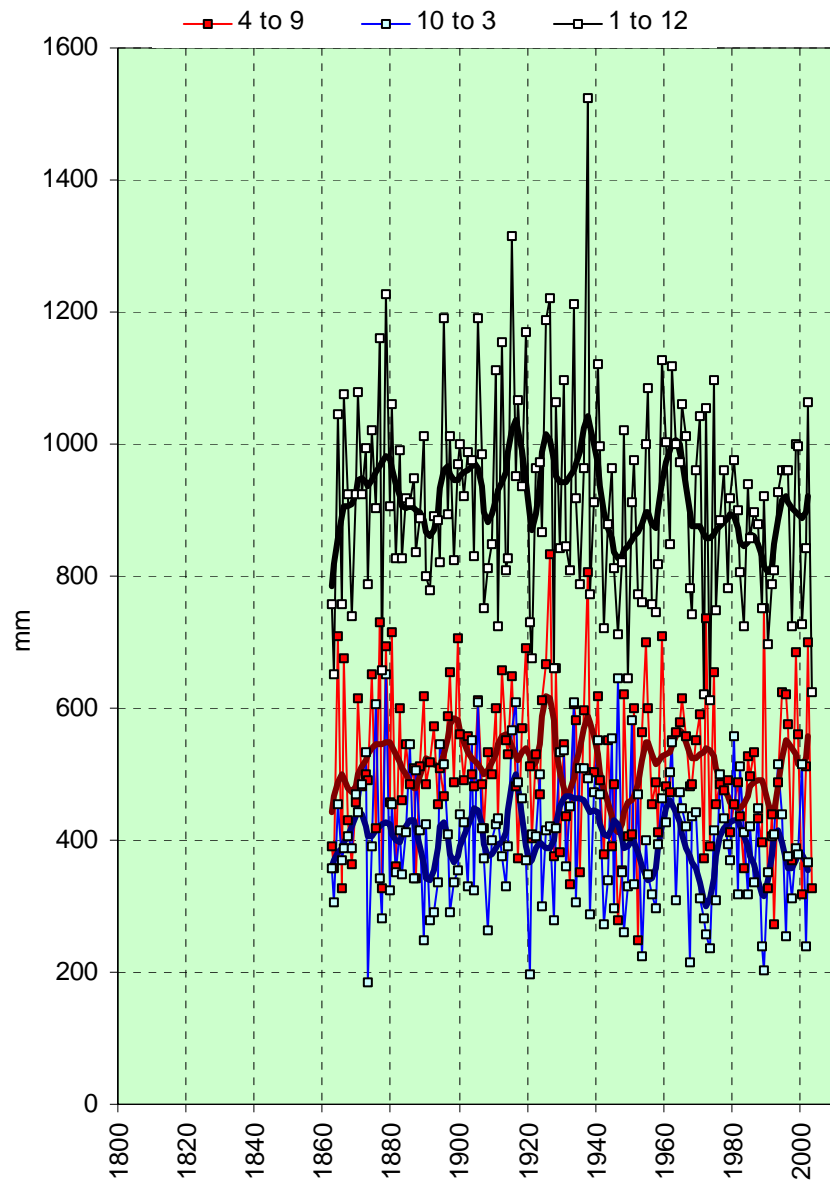


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

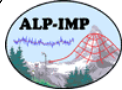


Zagrab-Gric: precipitation 1862-2003

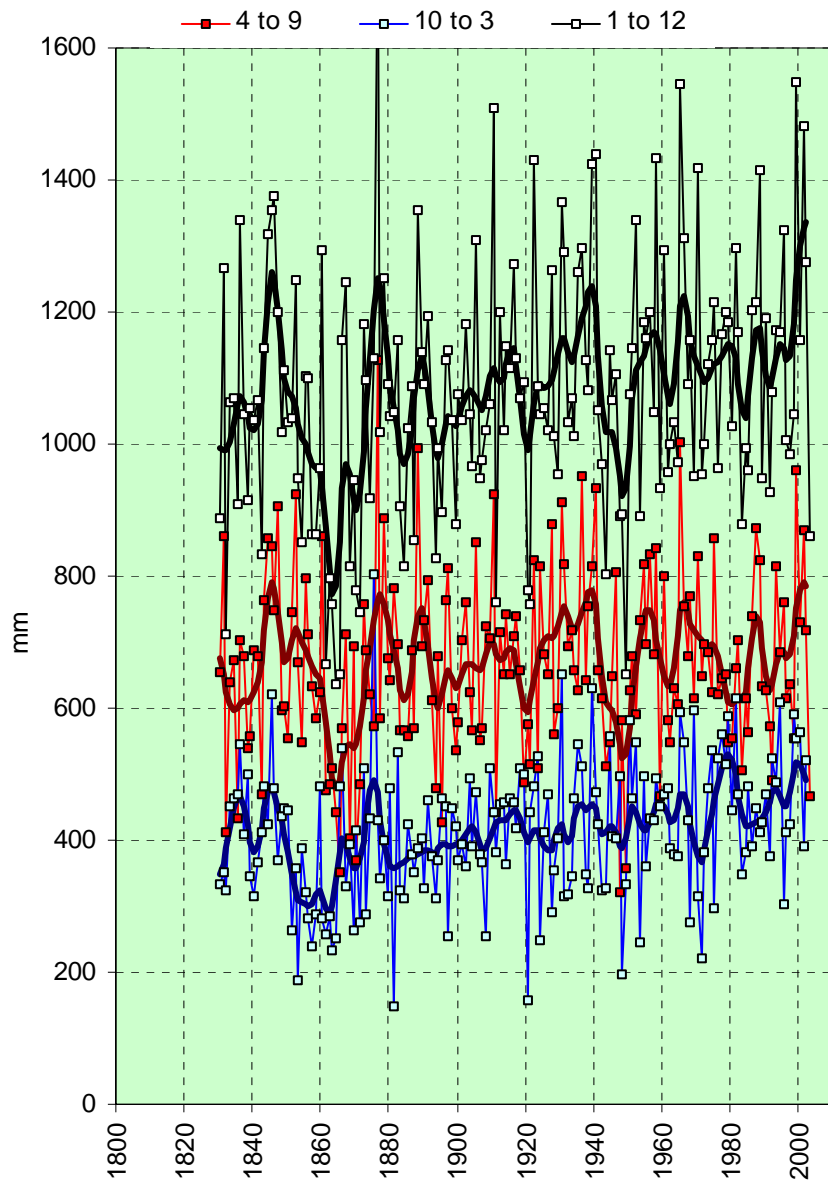


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered



Zürich : precipitation 1830-2003



source: ZAMG-HISTALP database

bold: 10yrs low pass filtered