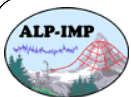


**Selection of long climate time series in the Greater Alpine Region**  
(homogenised, outlier corrected and gap-completed – updated to 2003)

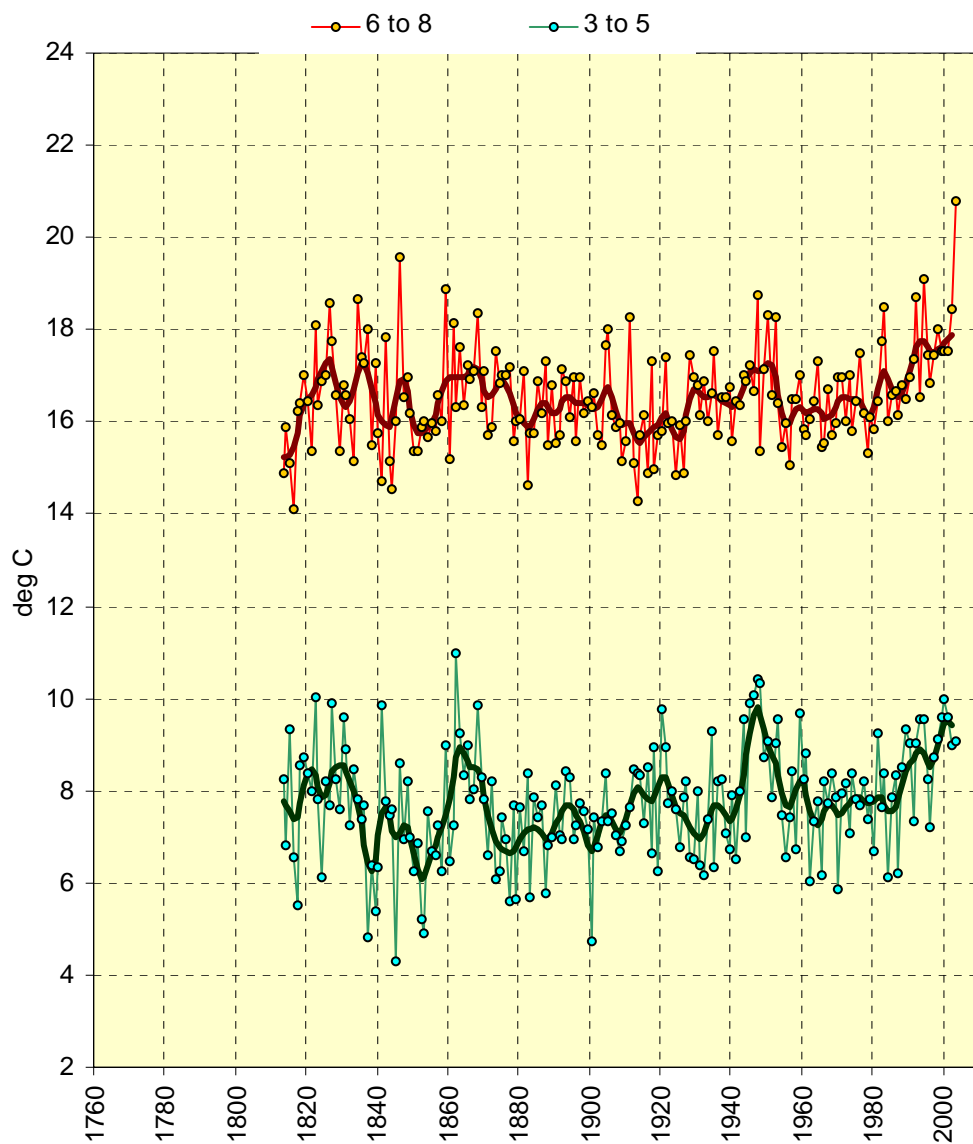
**part 2:**  
**MEAN AIR TEMPERATURE**  
**SPRING and SUMMER**

(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

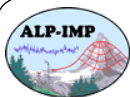


# Augsburg : air temperature 1813-2003

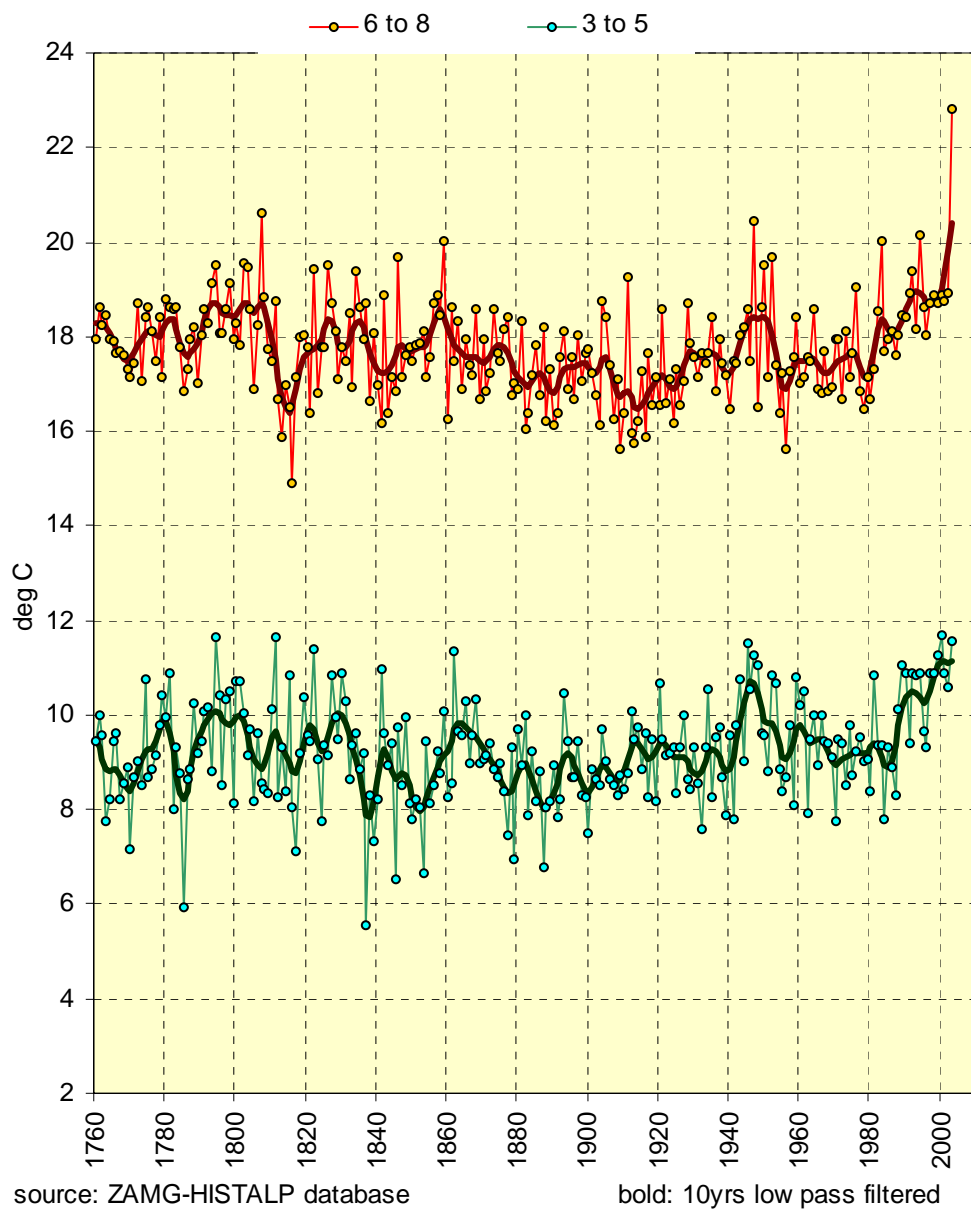


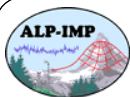
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

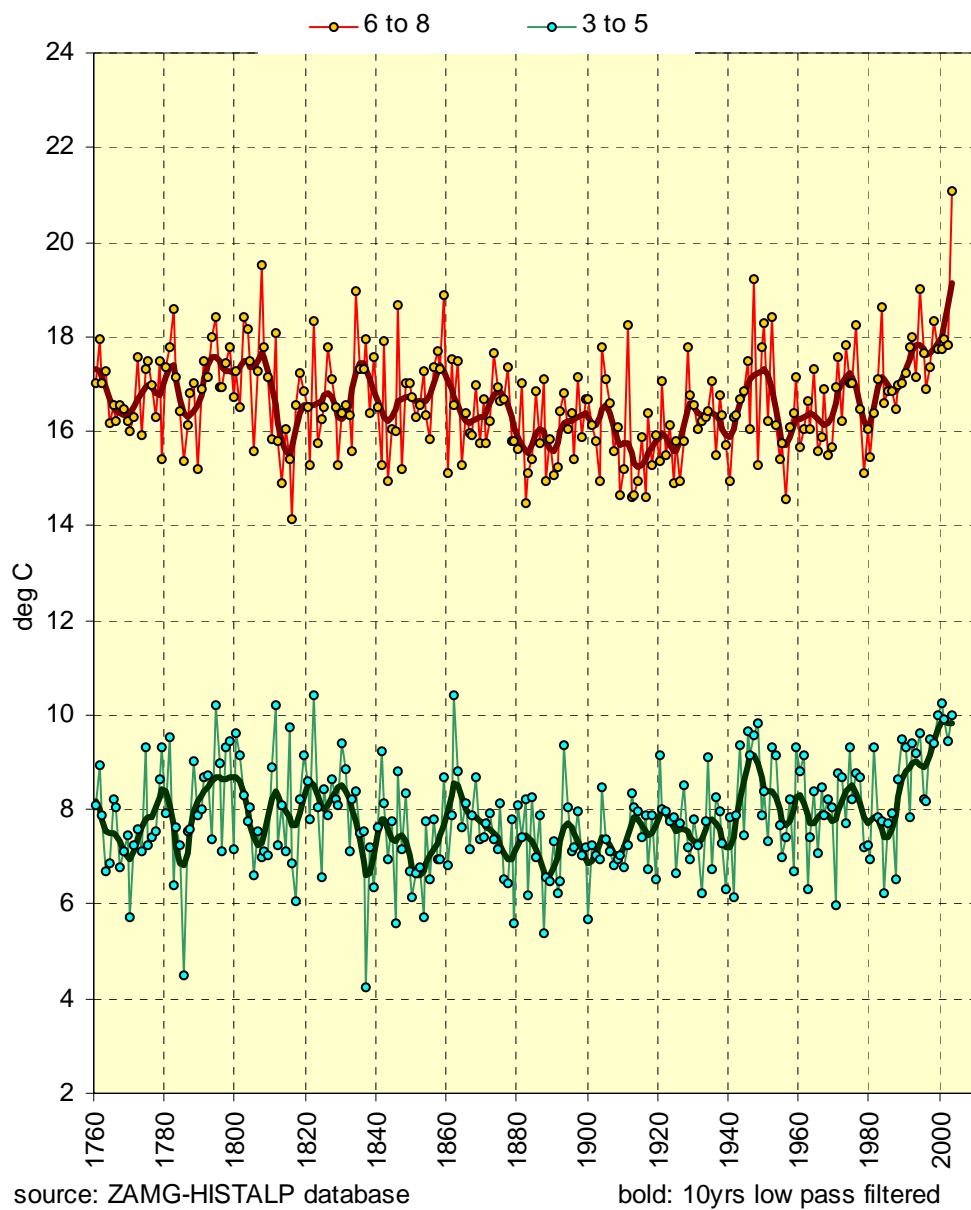


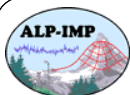
# Basel : air temperature 1760-2003



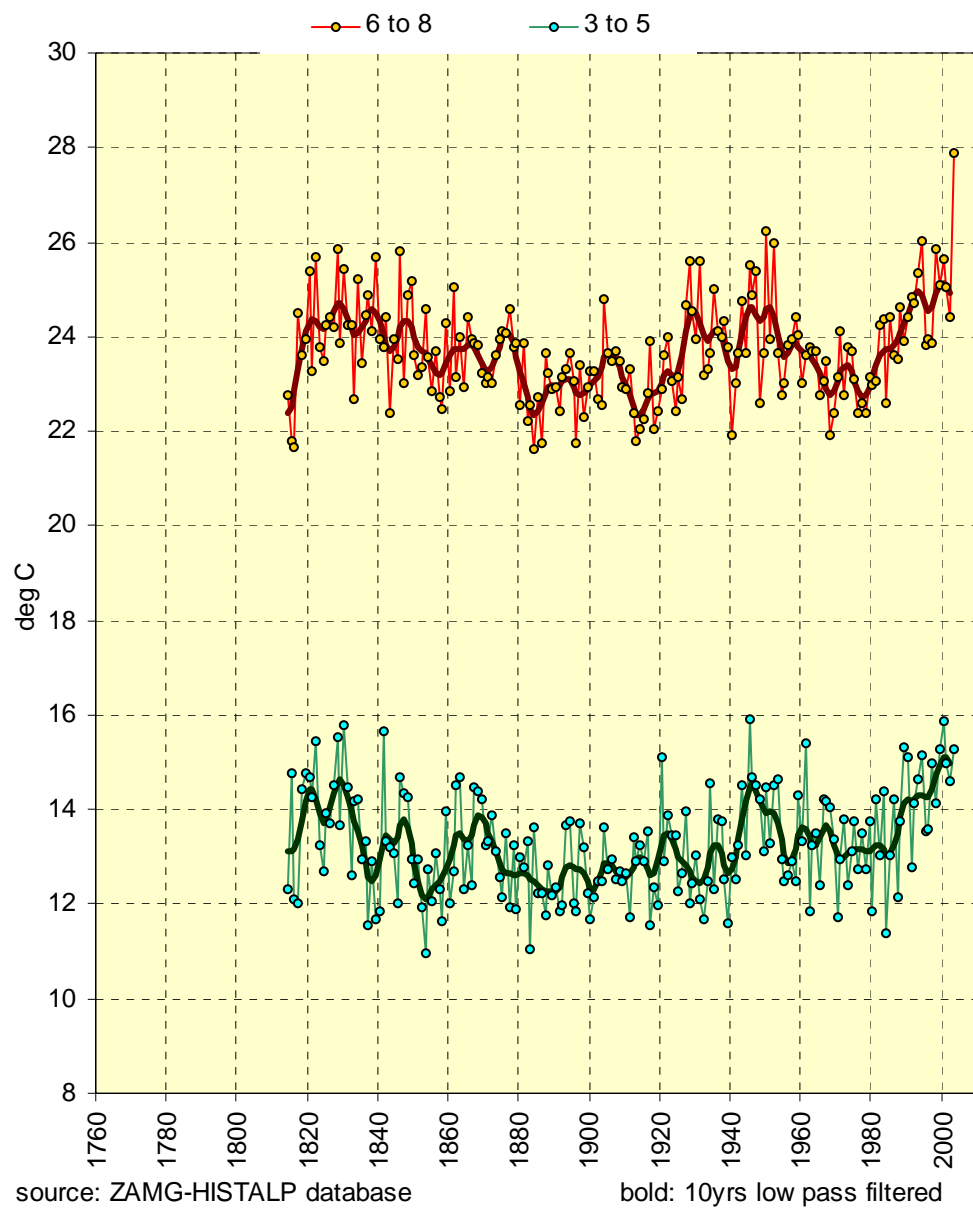


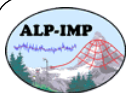
# Bern : air temperature 1760-2003



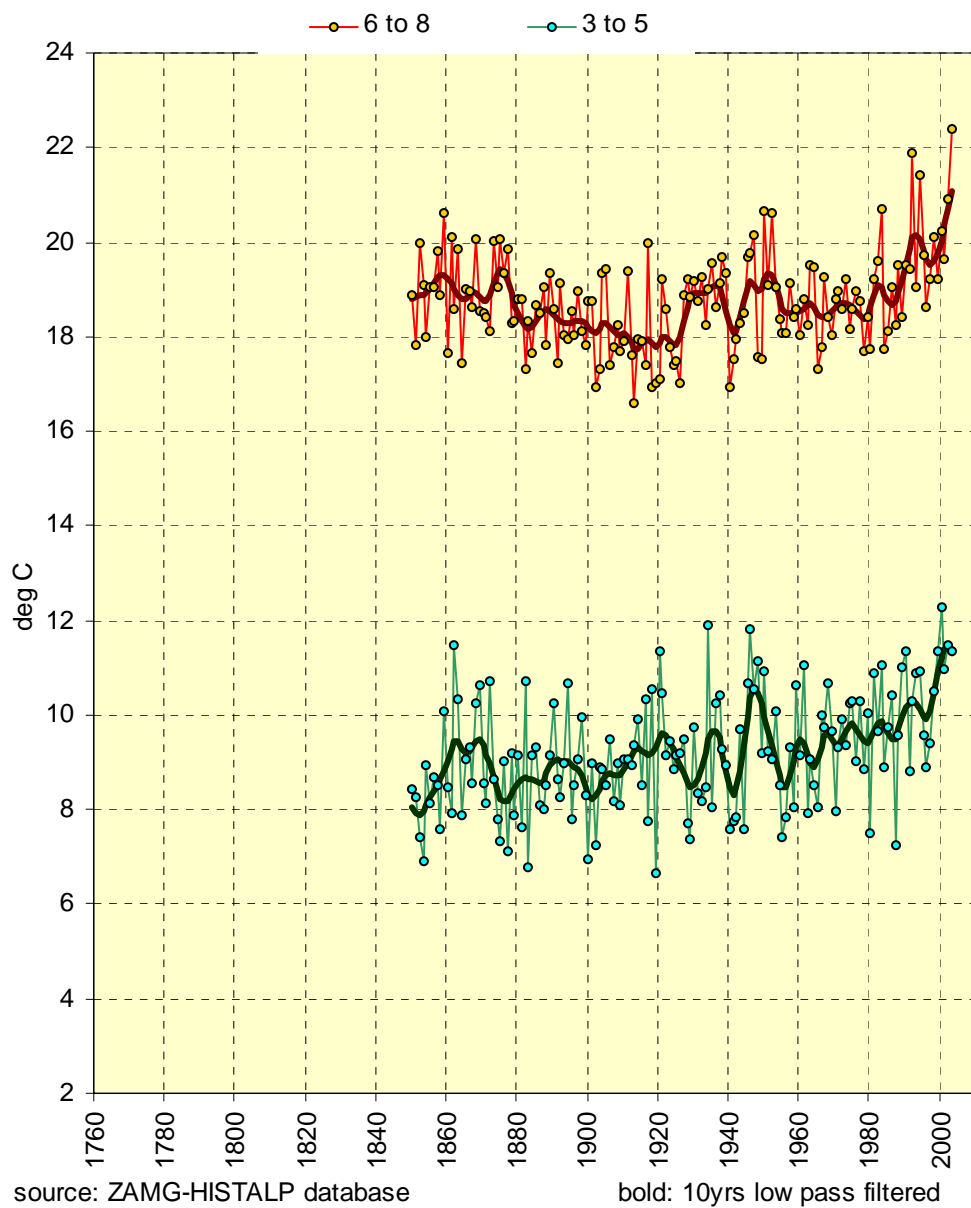


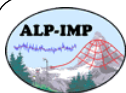
# Bologna : air temperature 1814-2003



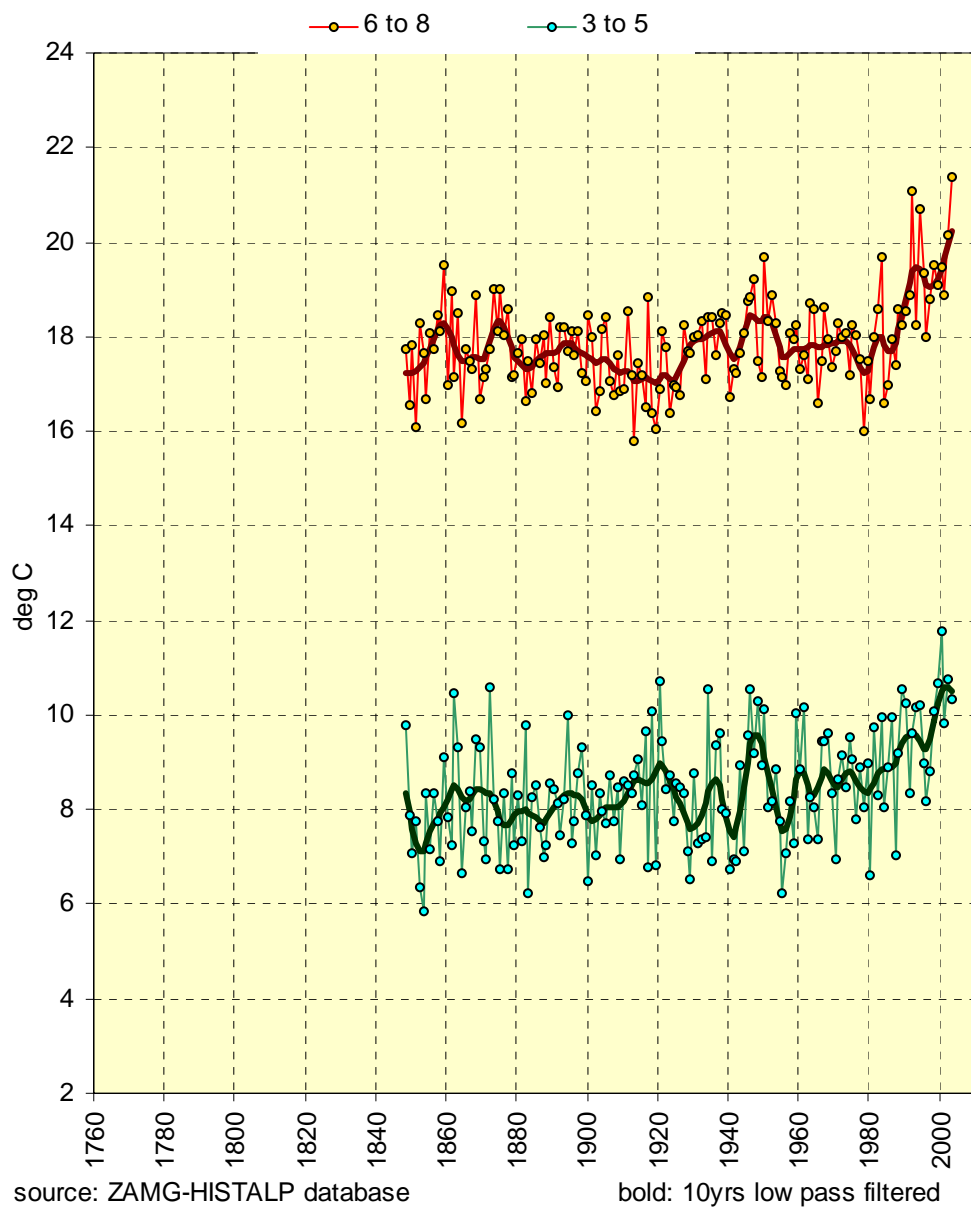


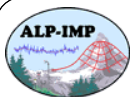
# Bratislava : air temperature 1850-2003



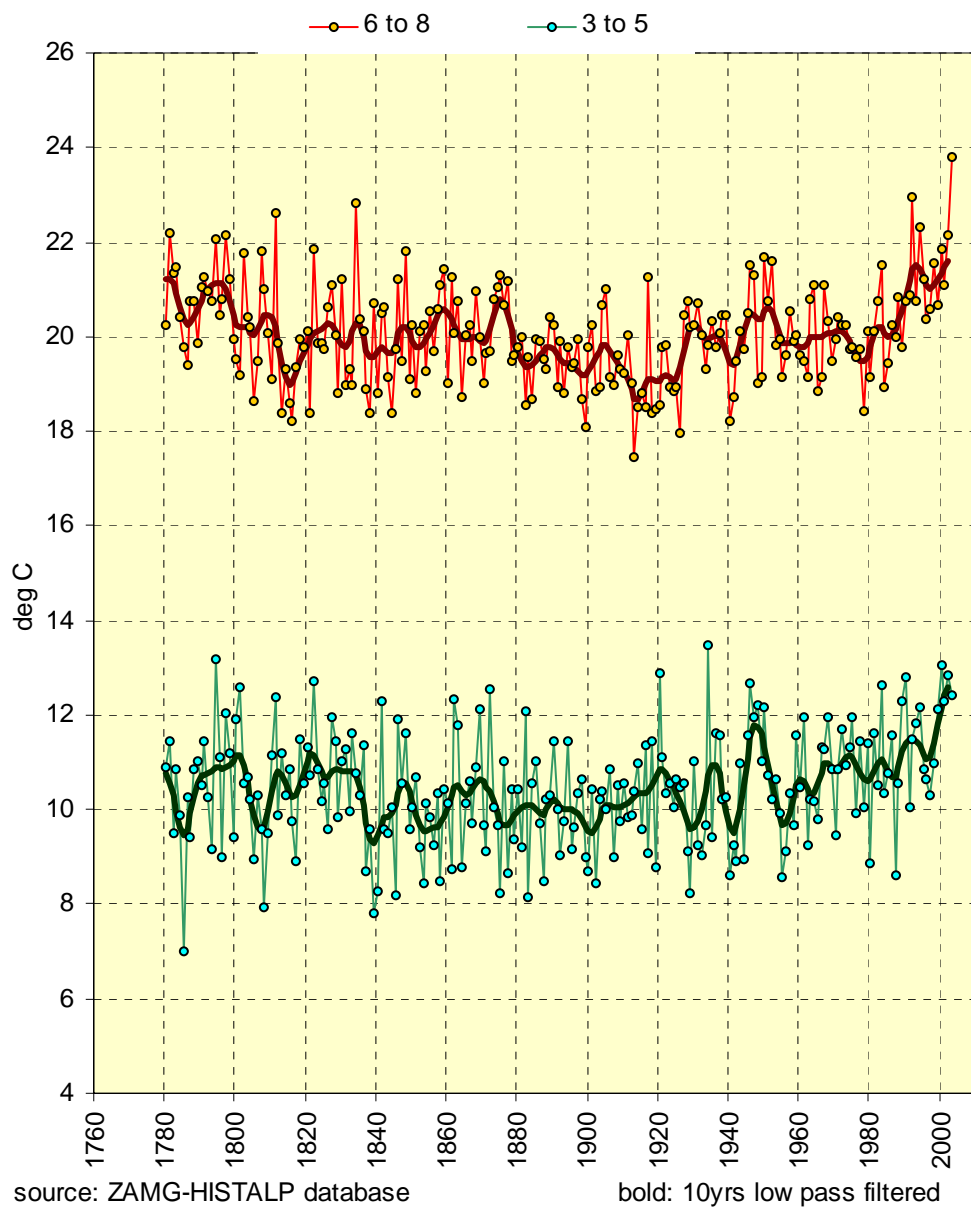


# Brno : air temperature 1848-2003





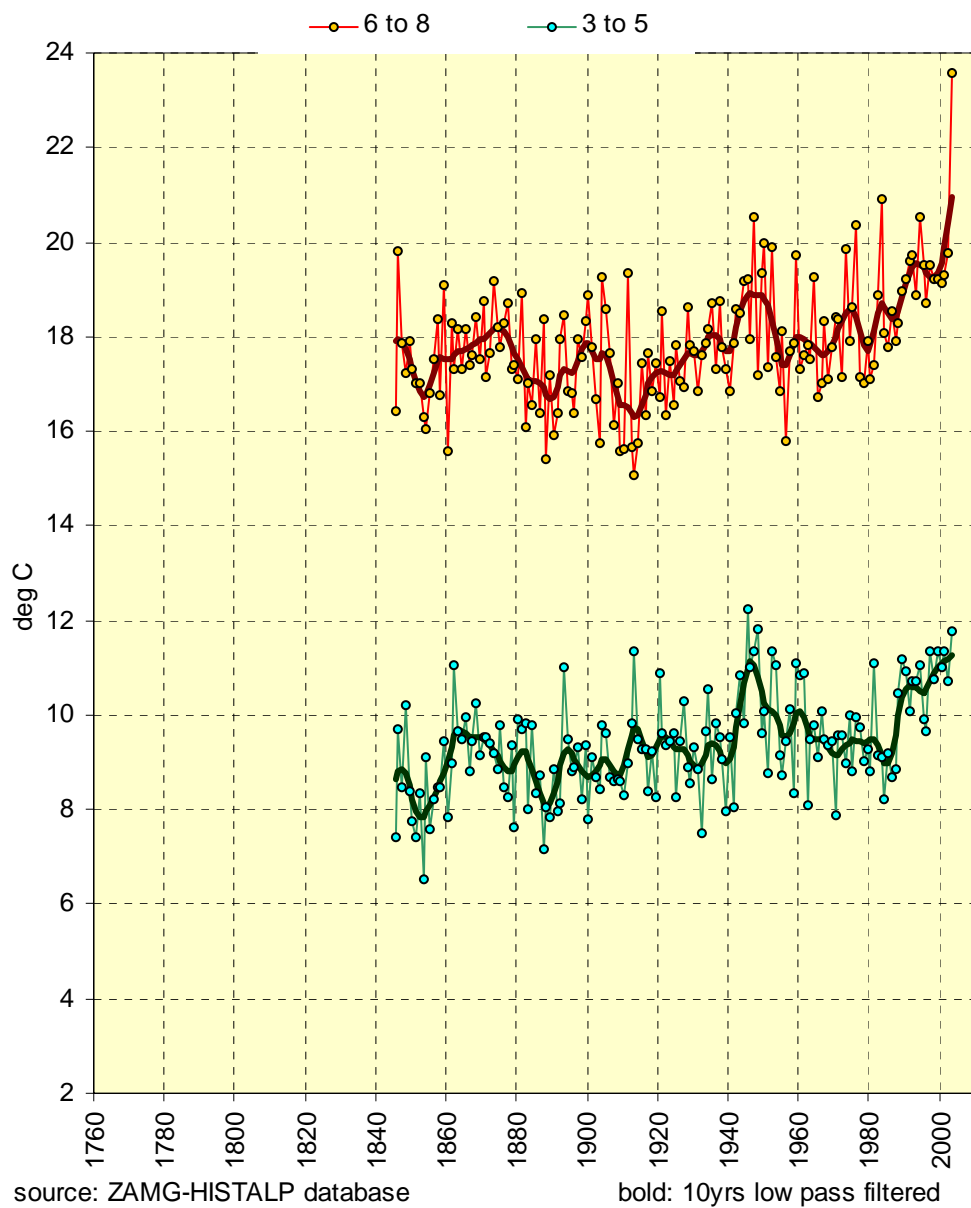
# Budapest : air temperature 1780-2003

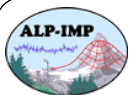




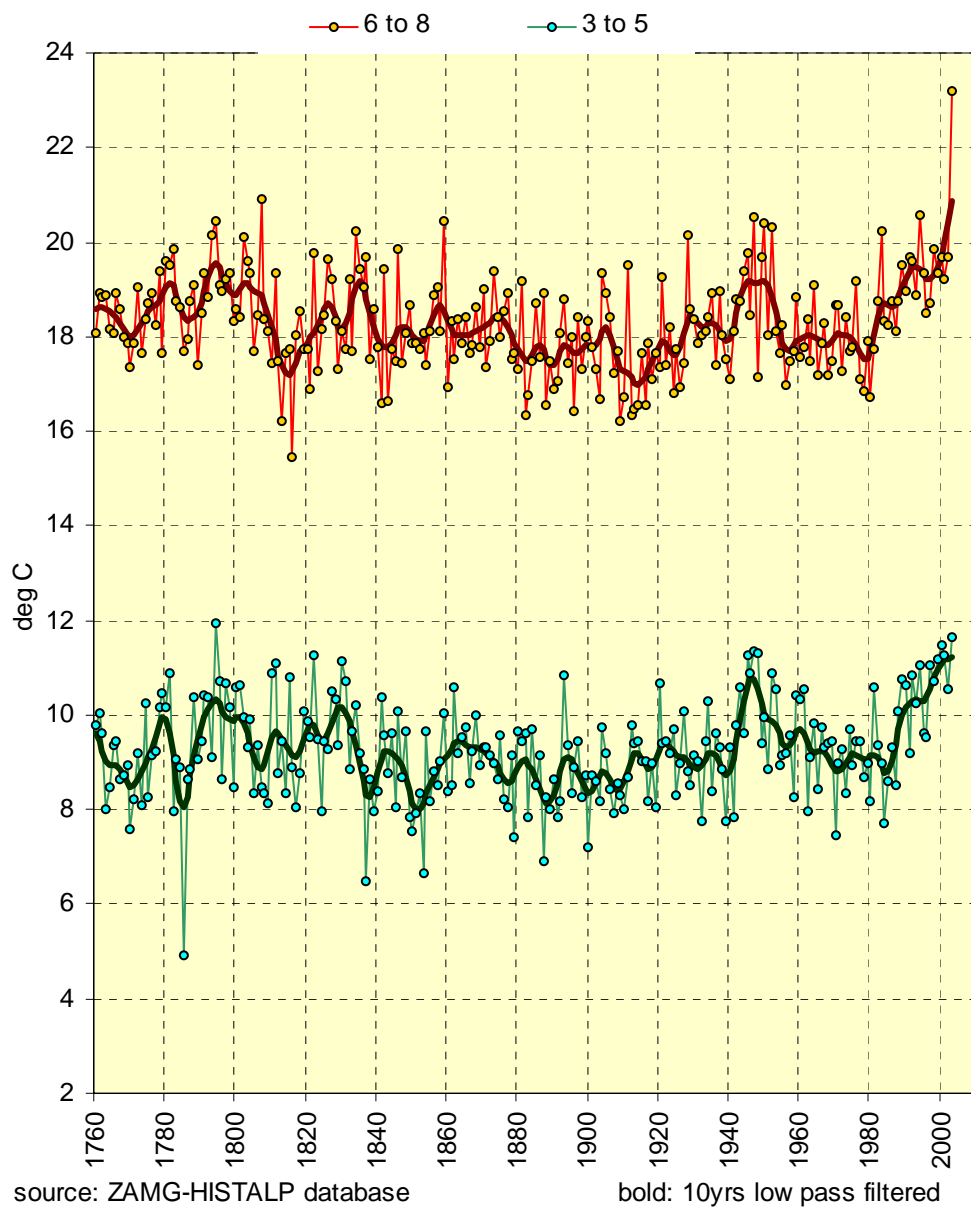


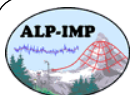
# Dijon : air temperature 1845-2003



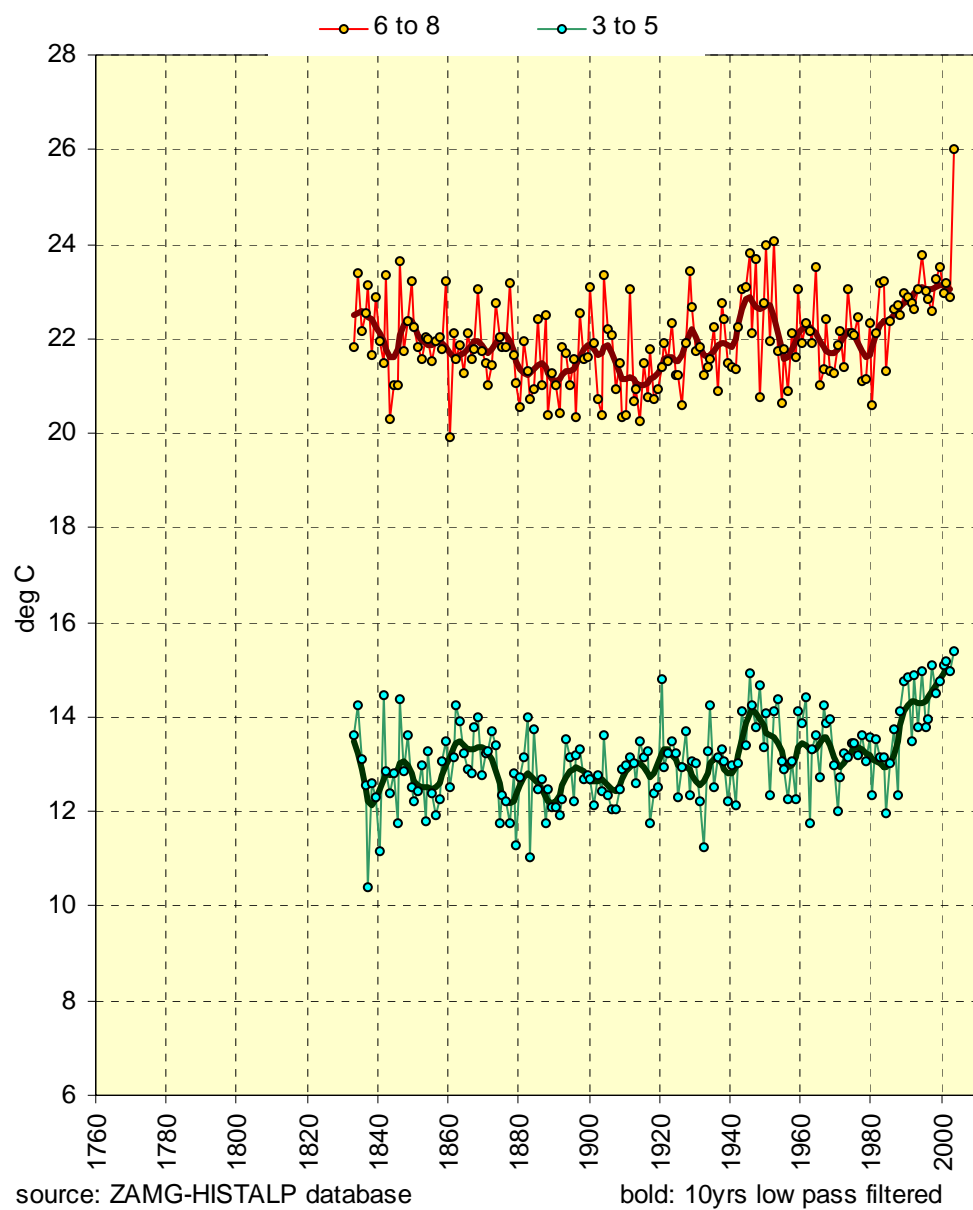


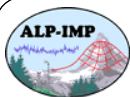
# Genève : air temperature 1760-2003



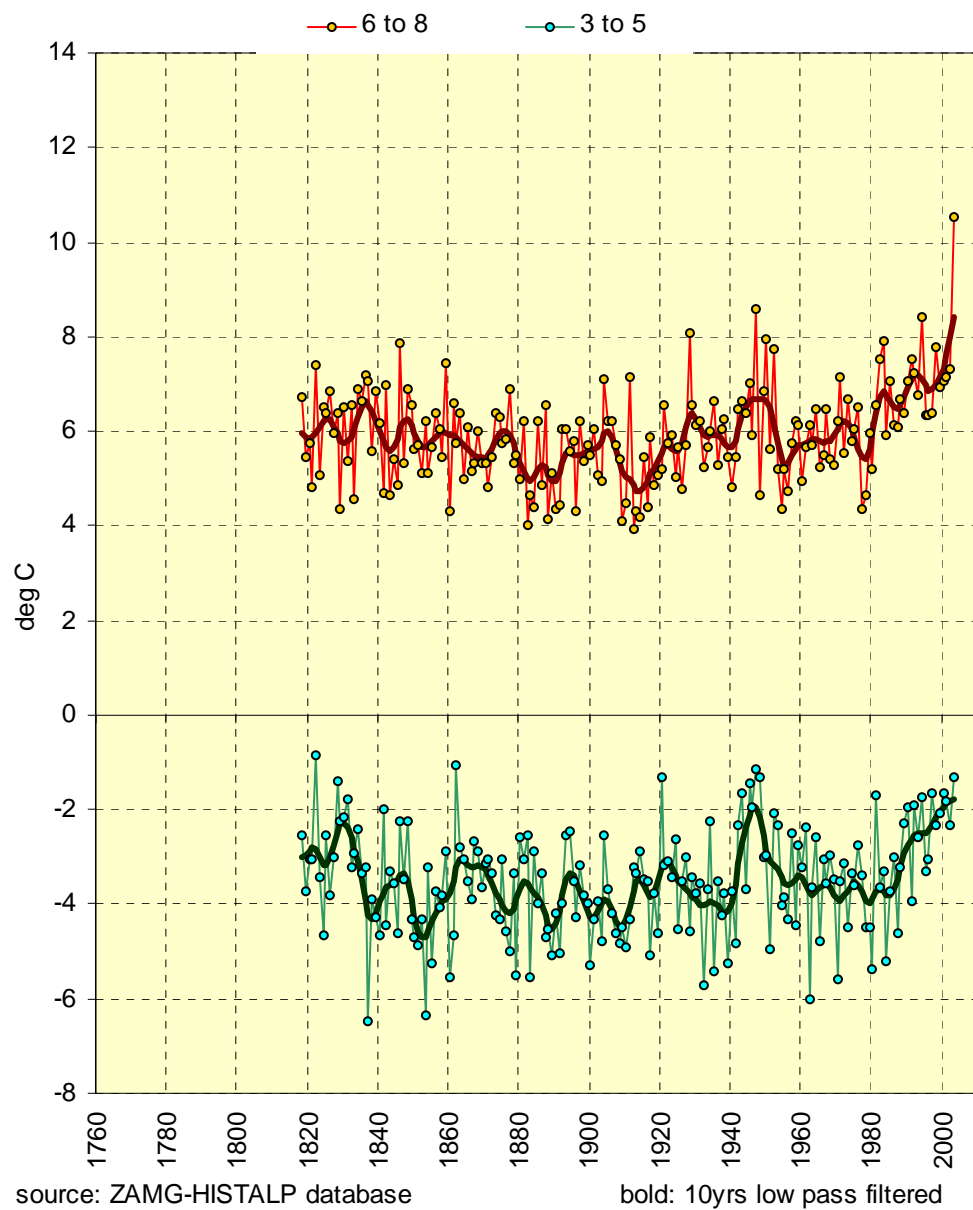


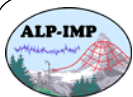
# Genova : air temperature 1833-2003



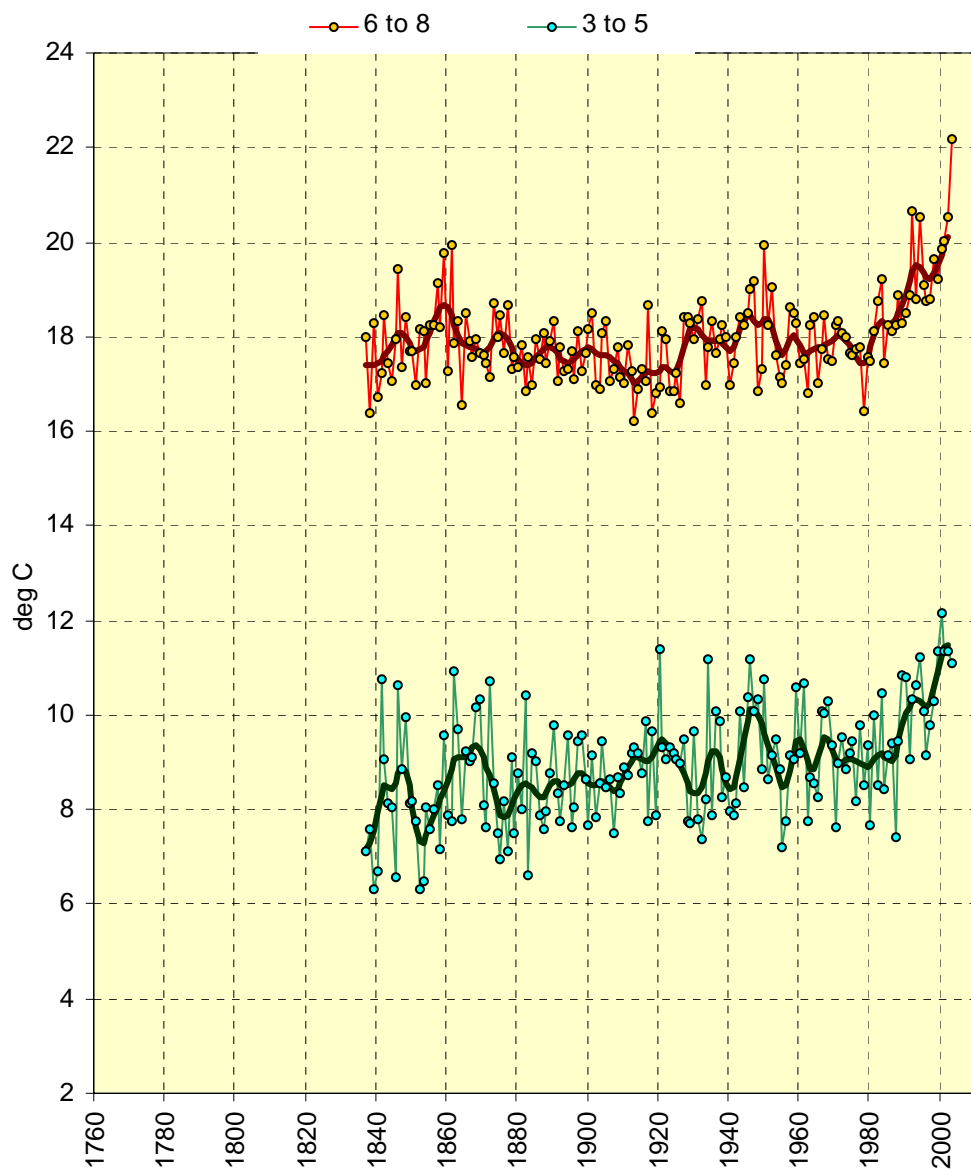


# Gr. St. Bernhard : air temperature 1818-2003



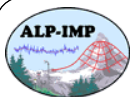


# Graz : air temperature 1837-2003

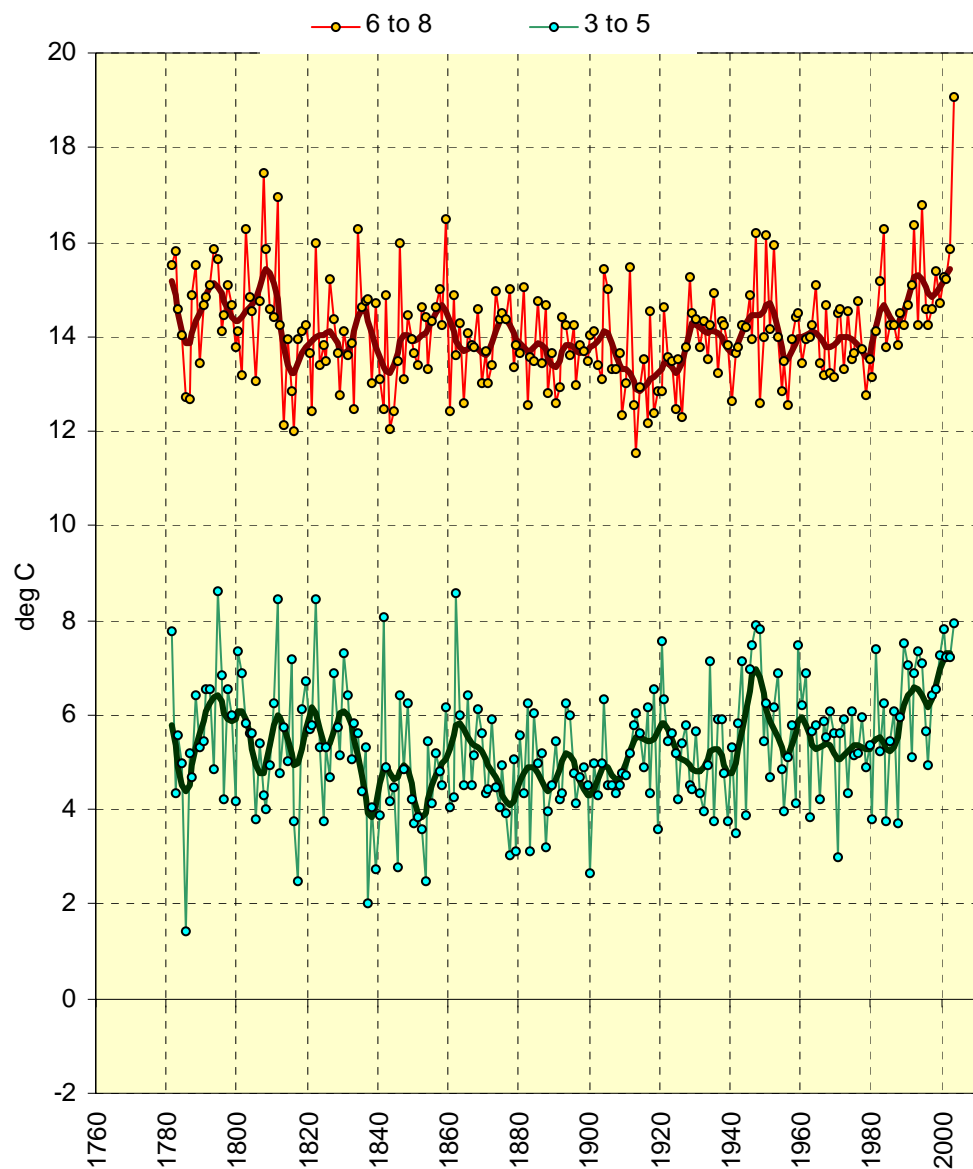


source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

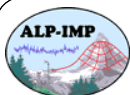


# Hohenpeißenberg : air temperature 1781-2003

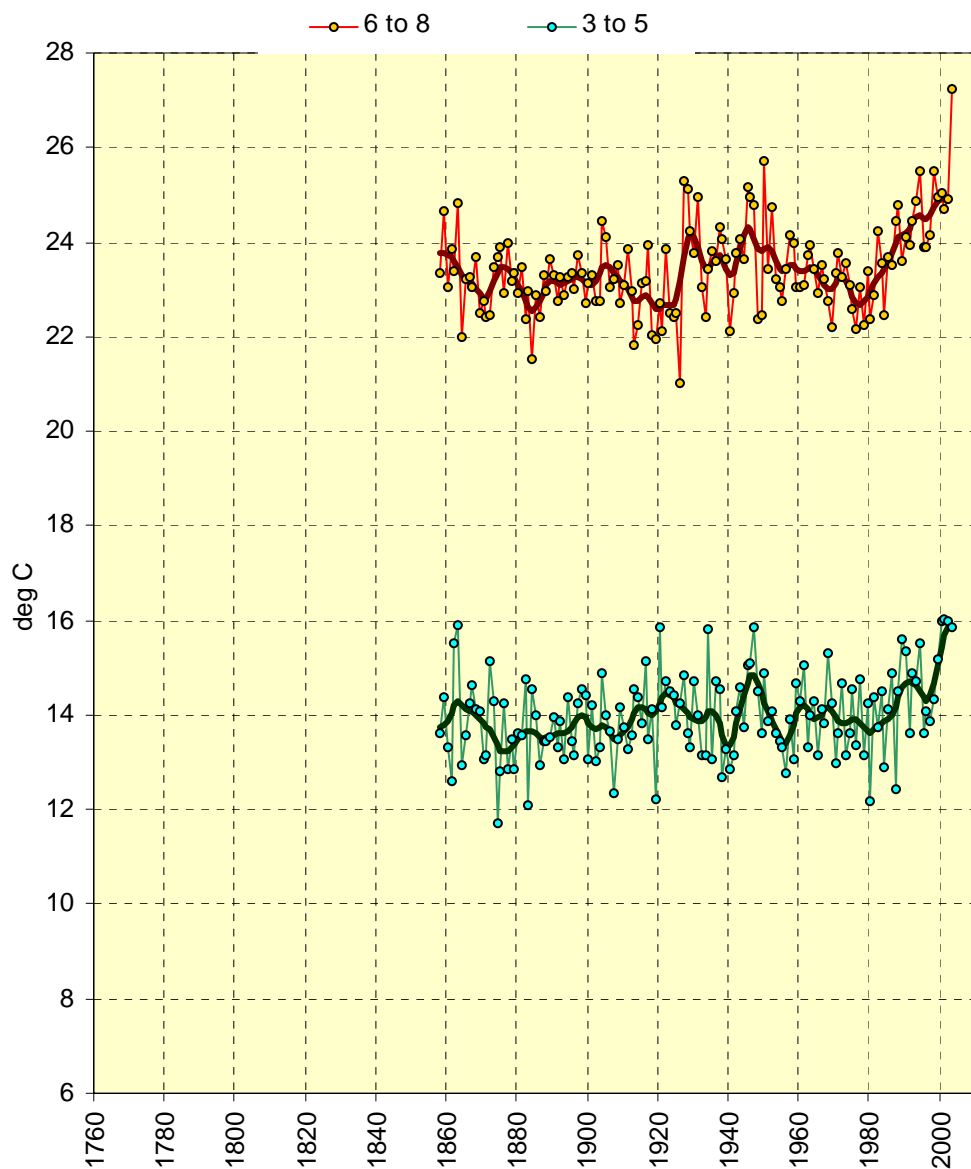


source: ZAMG-HISTALP database

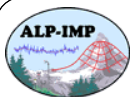
bold: 10yrs low pass filtered



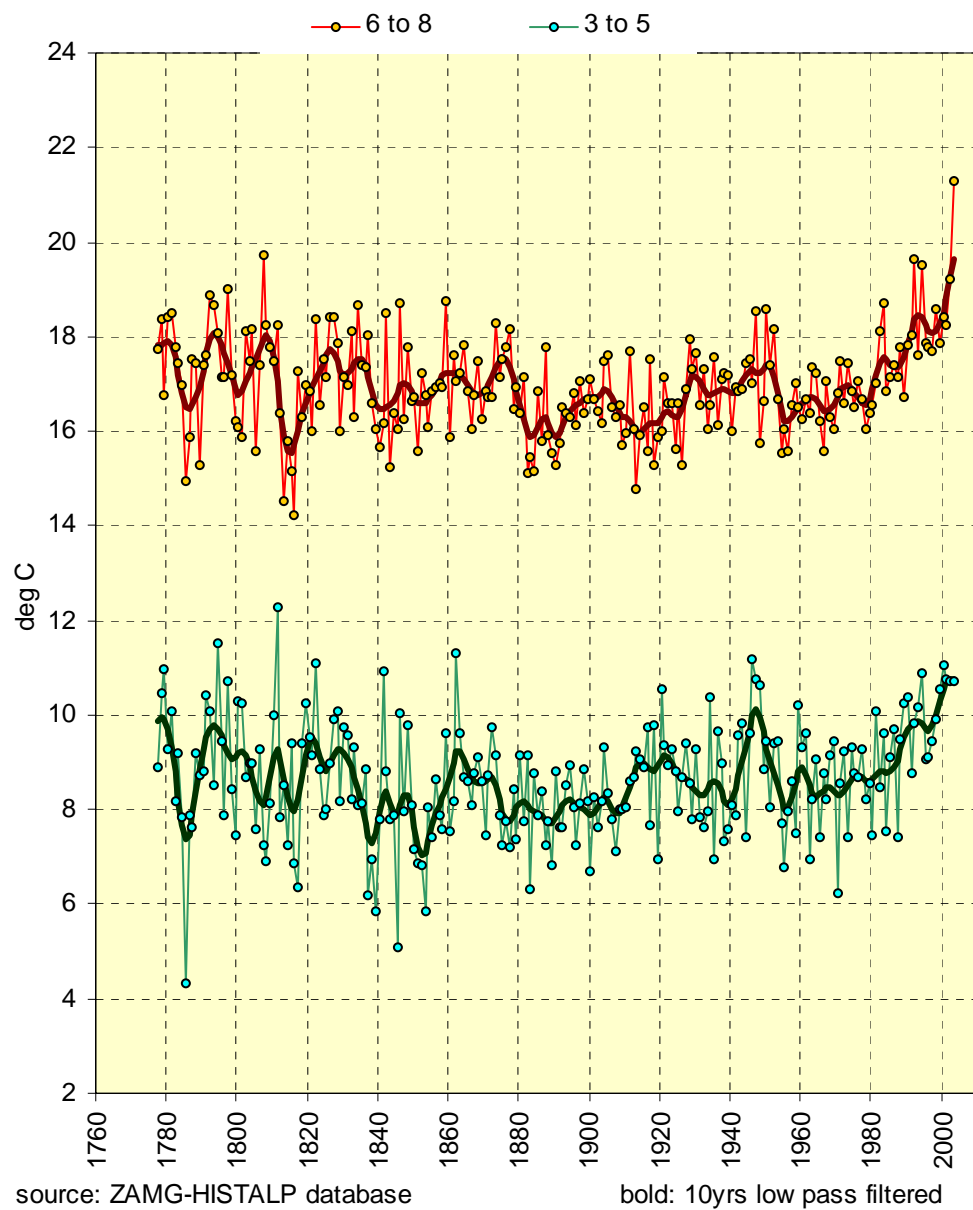
# Hvar : air temperature 1858-2003



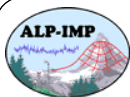
source: ZAMG-HISTALP database



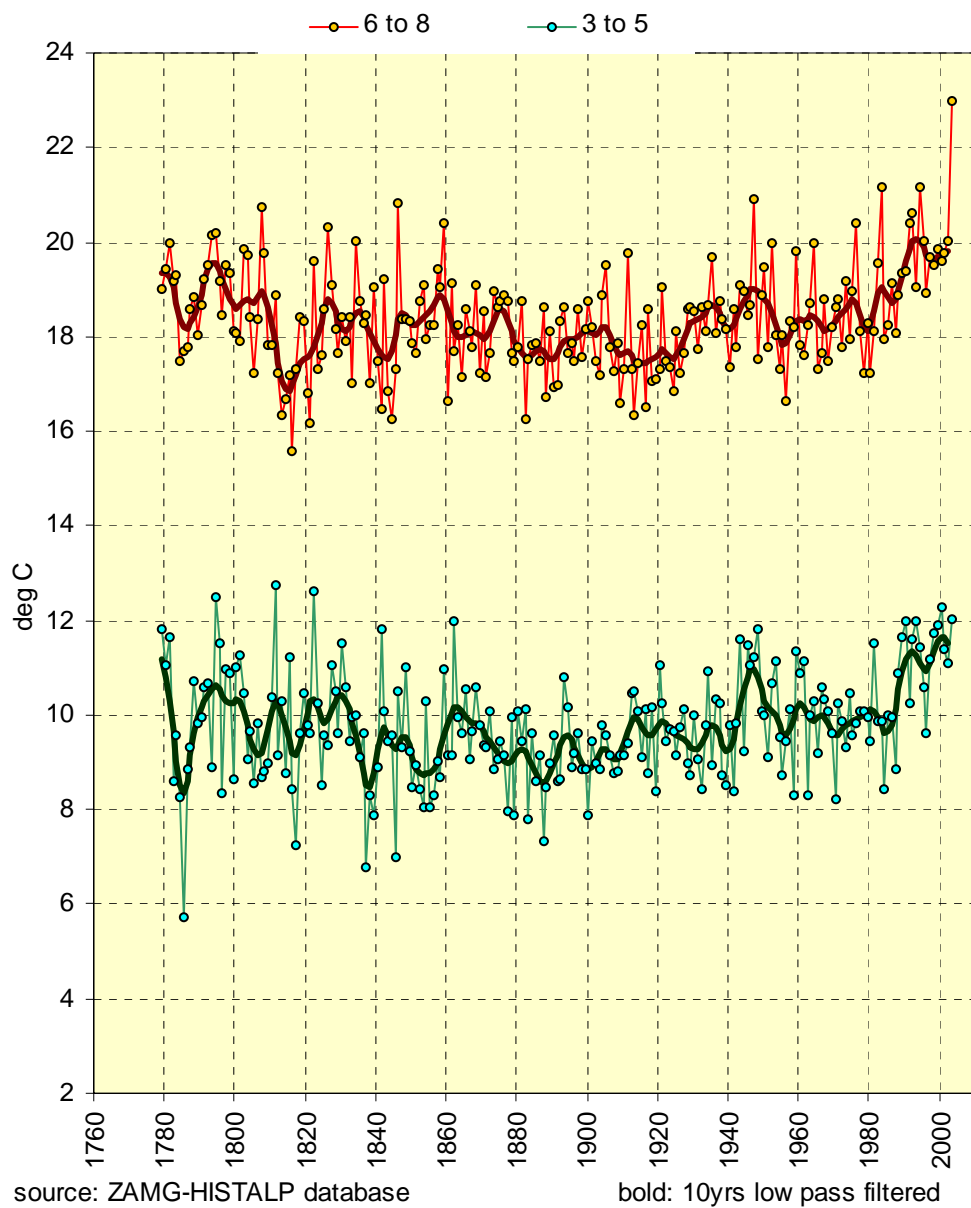
# Innsbruck : air temperature 1777-2003

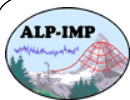




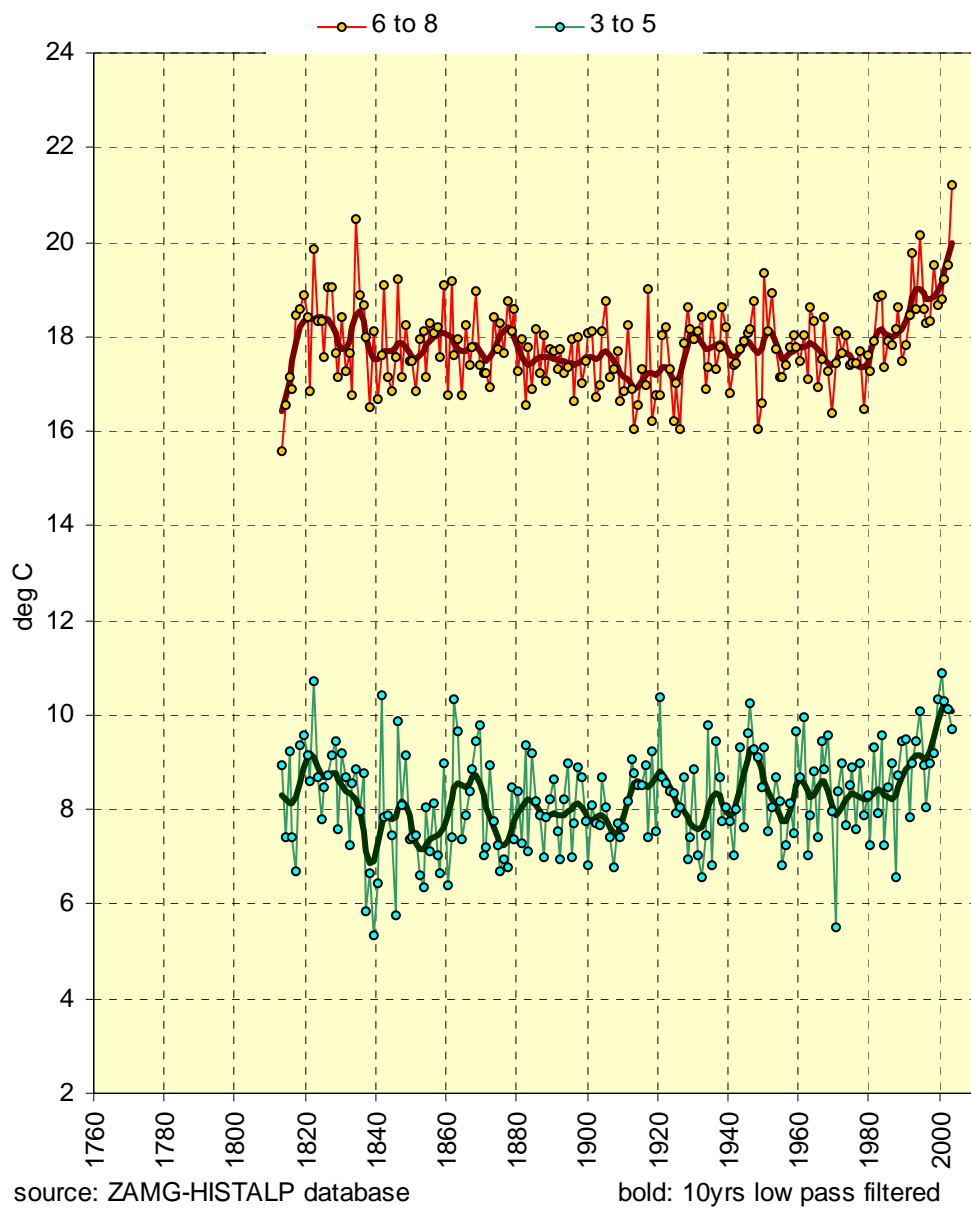


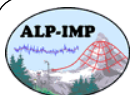
# Karlsruhe: air temperature 1779-2003



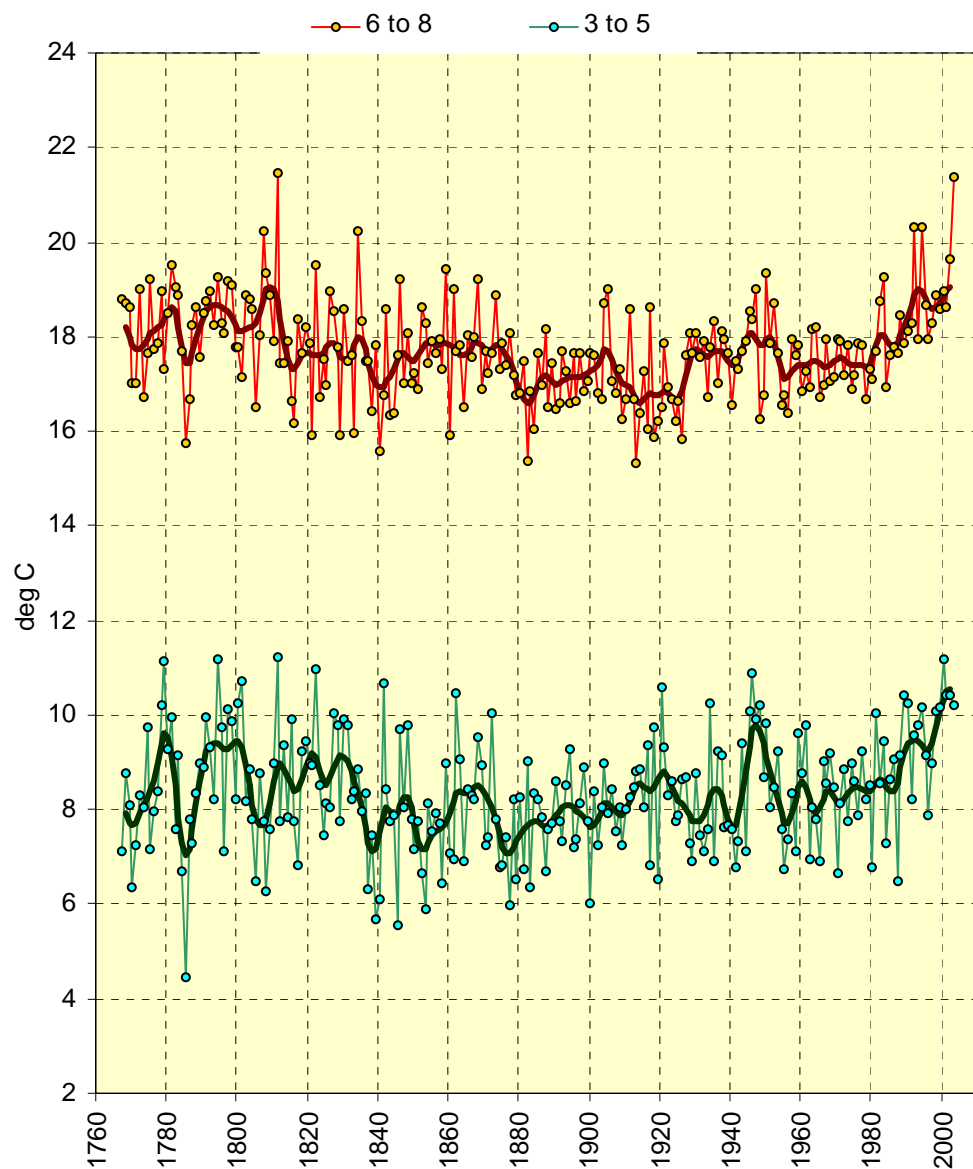


# Klagenfurt : air temperature 1813-2003



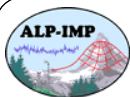


# Kremsmünster : air temperature 1767-2003

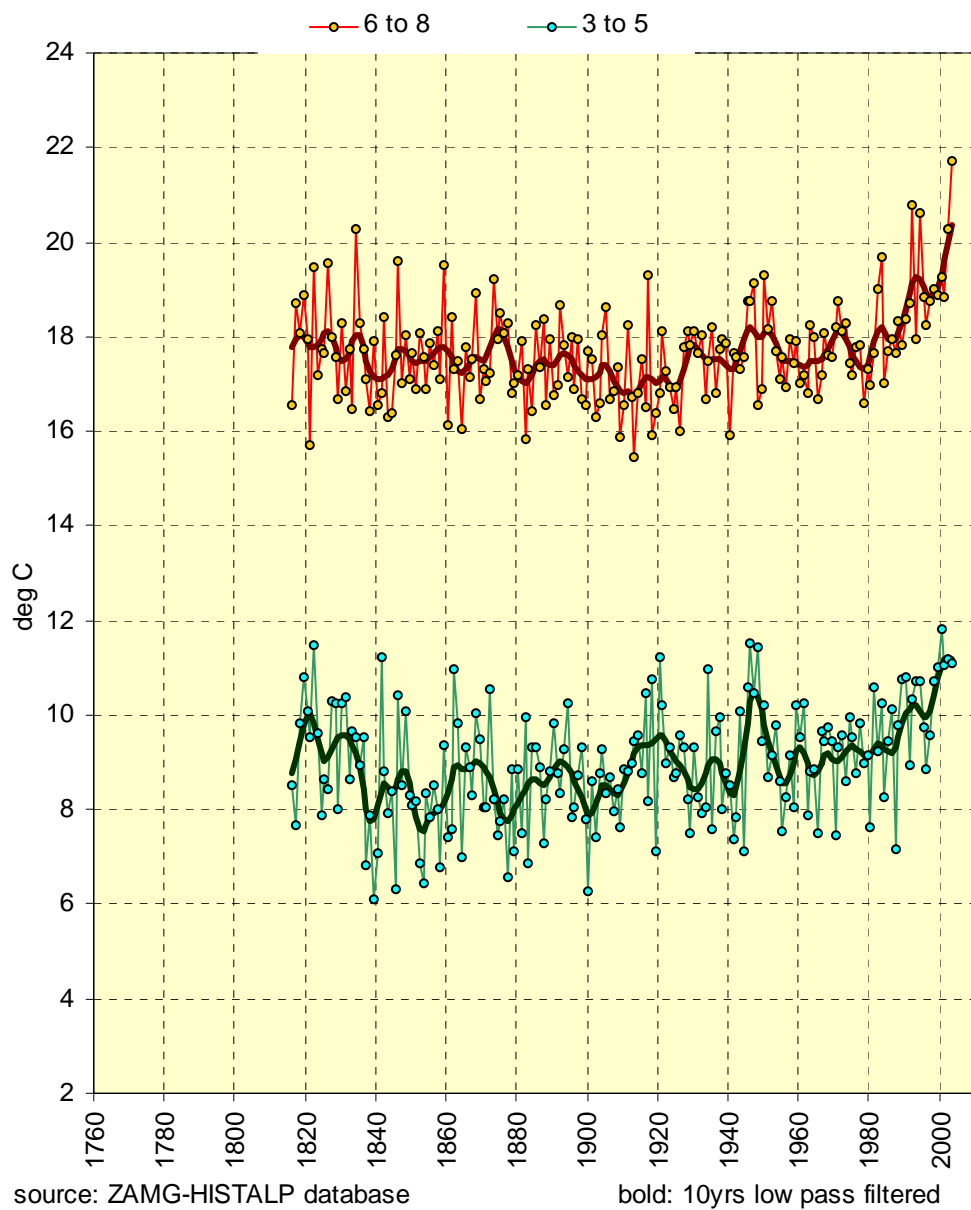


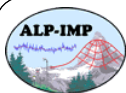
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

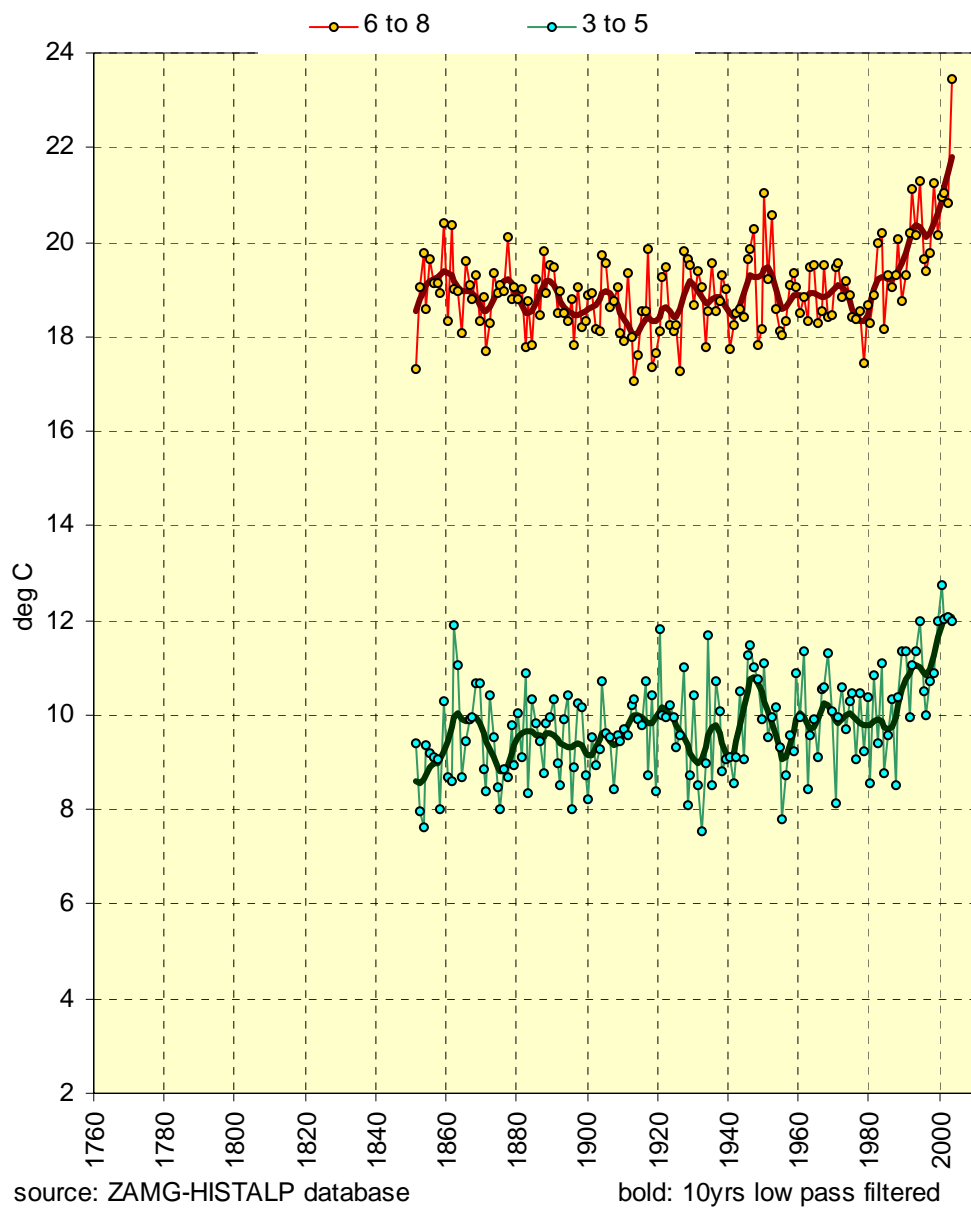


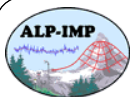
# Linz : air temperature 1816-2003



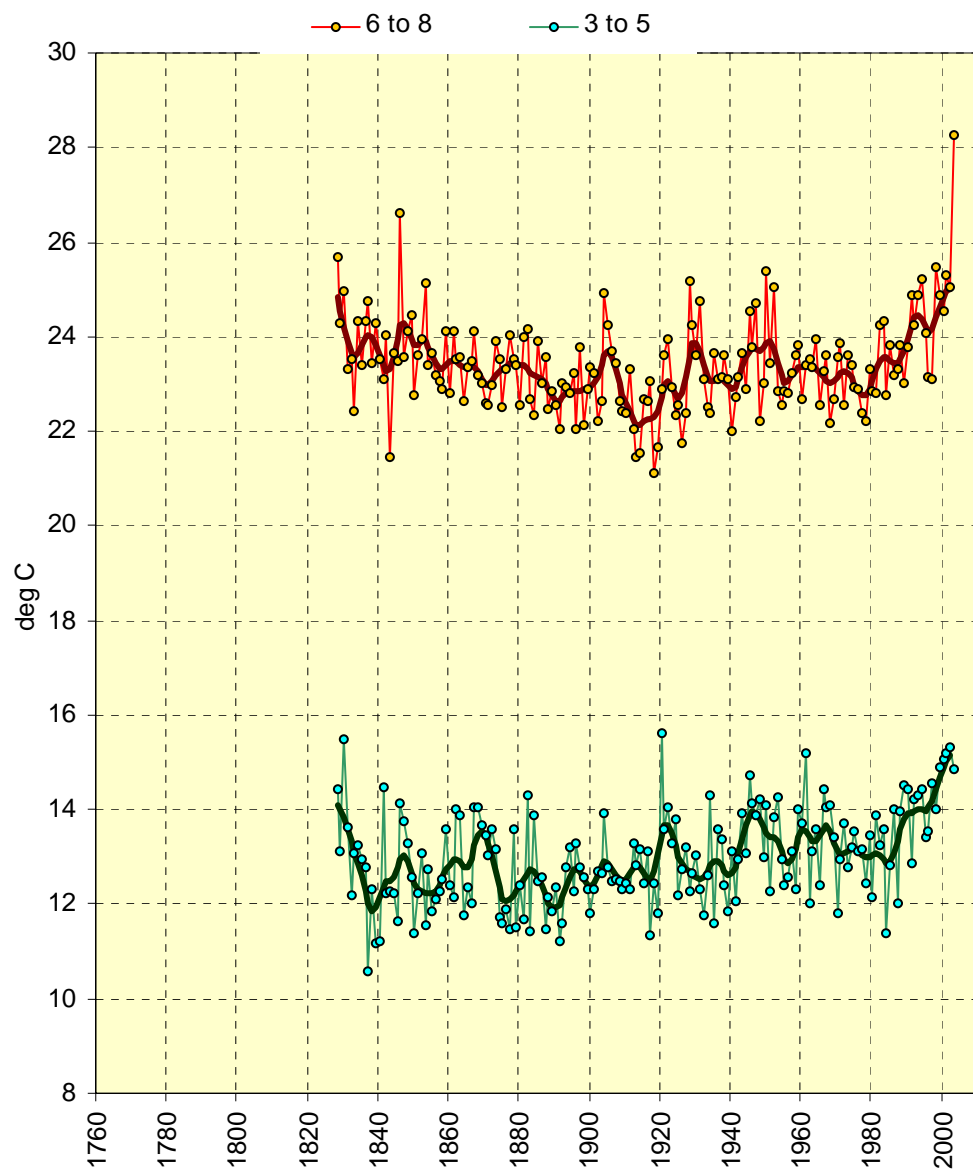


# Ljubljana : air temperature 1851-2003



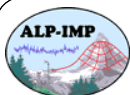


# Mantova : air temperature 1828-2003

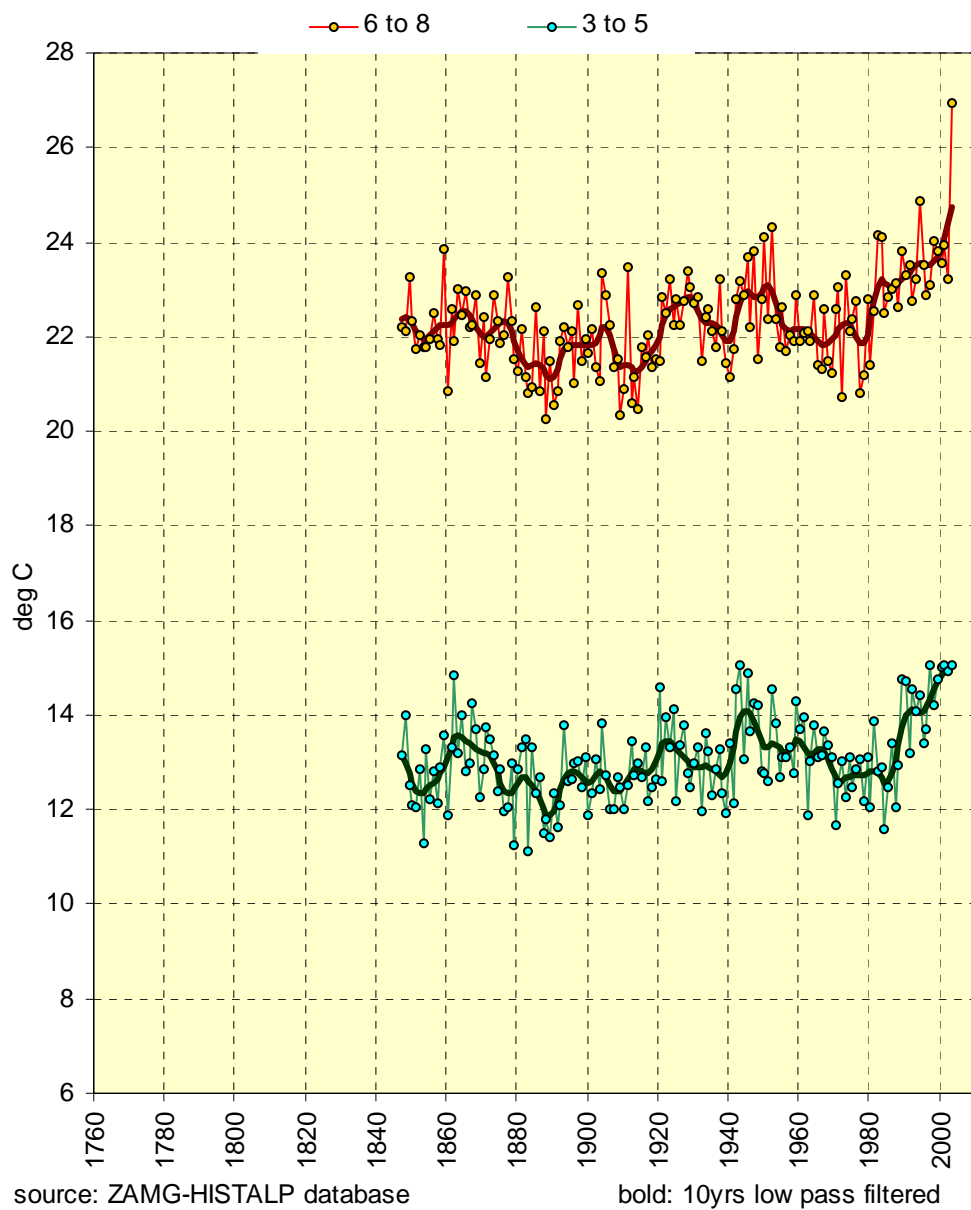


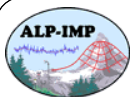
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

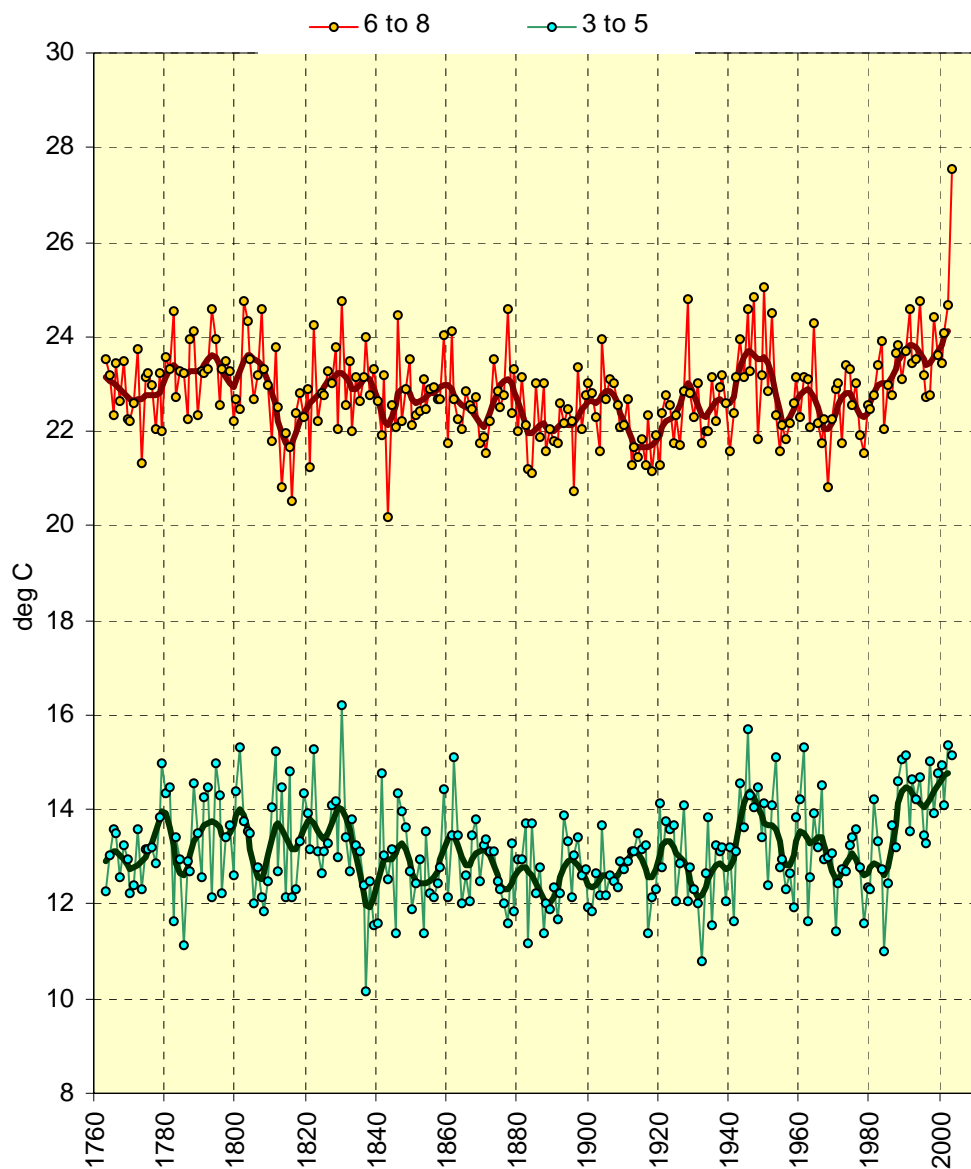


# Marseille : air temperature 1847-2003





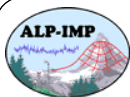
# Milano : air temperature 1763-2003



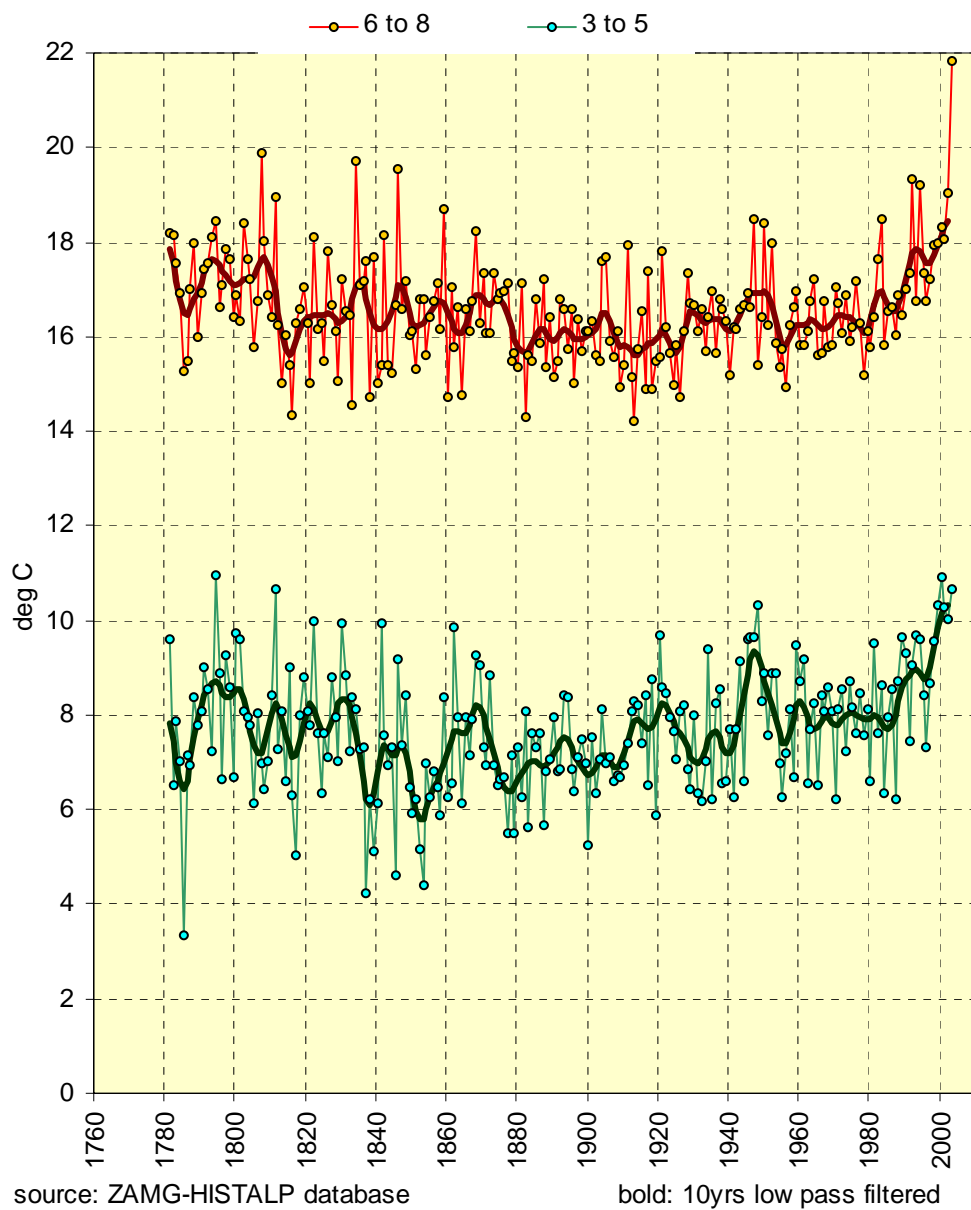
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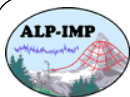
bold: 10yrs low pass filtered



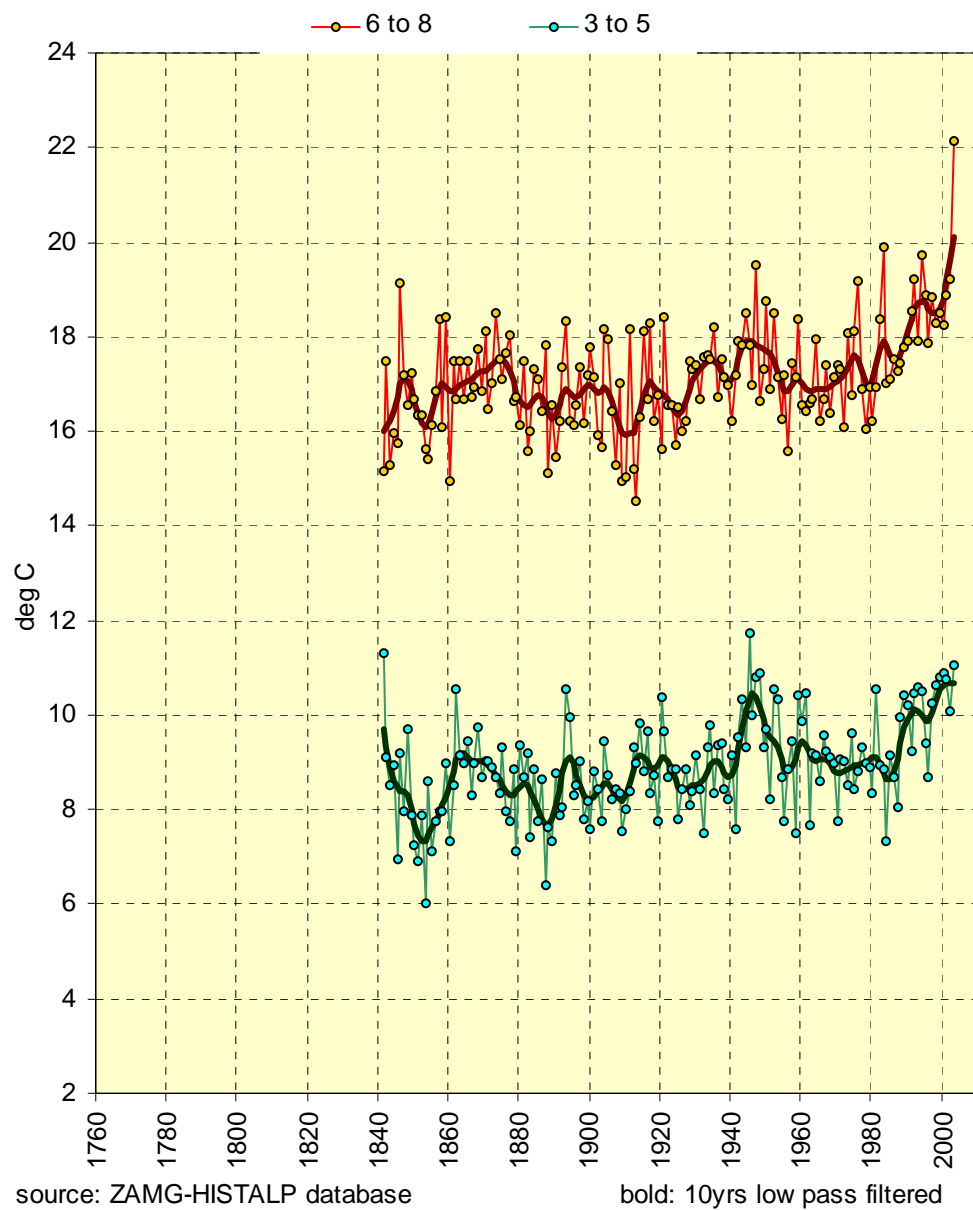


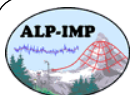
# München : air temperature 1781-2003



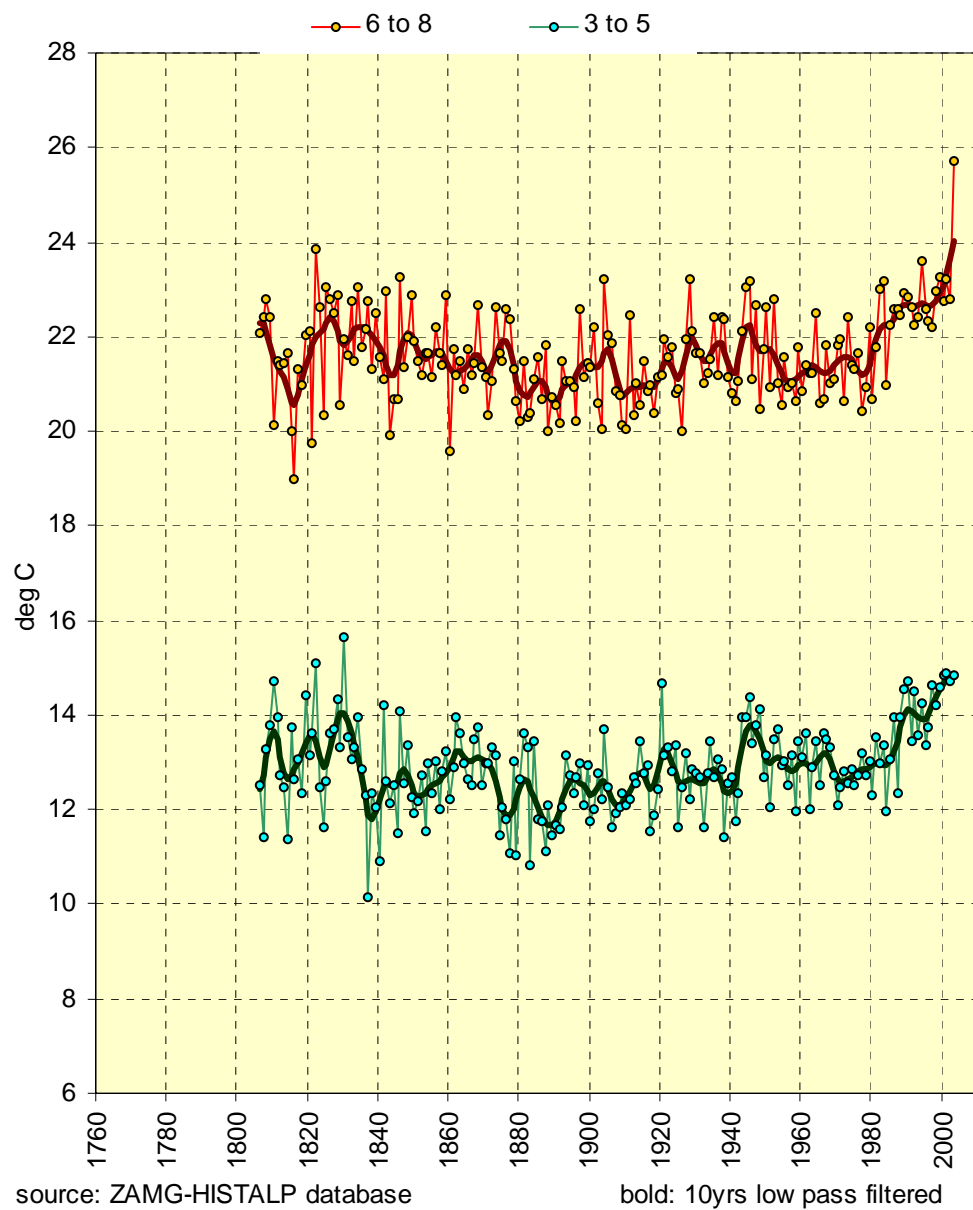


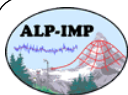
# Nancy : air temperature 1841-2003



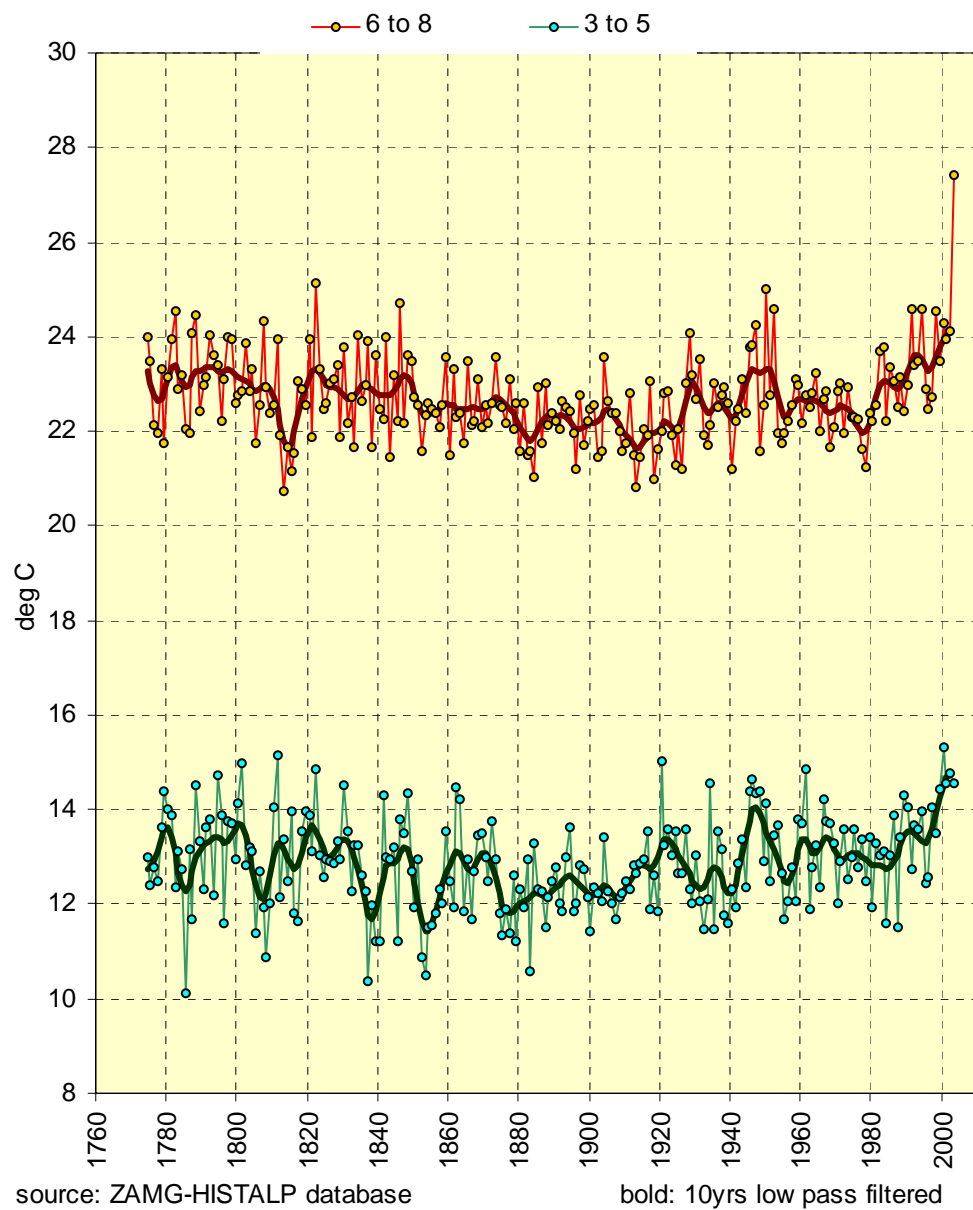


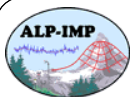
# Nice : air temperature 1806-2003



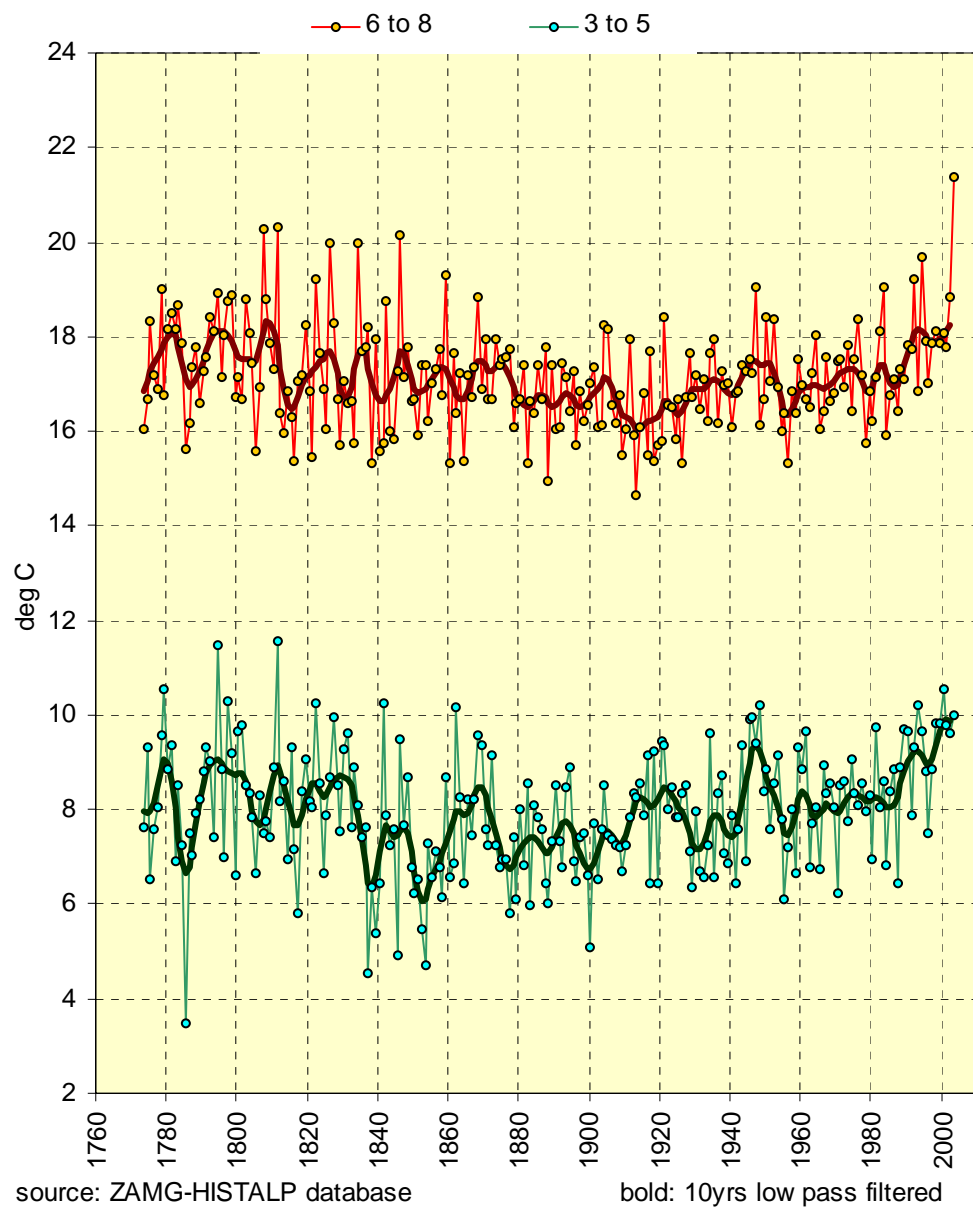


# Padova : air temperature 1774-2003



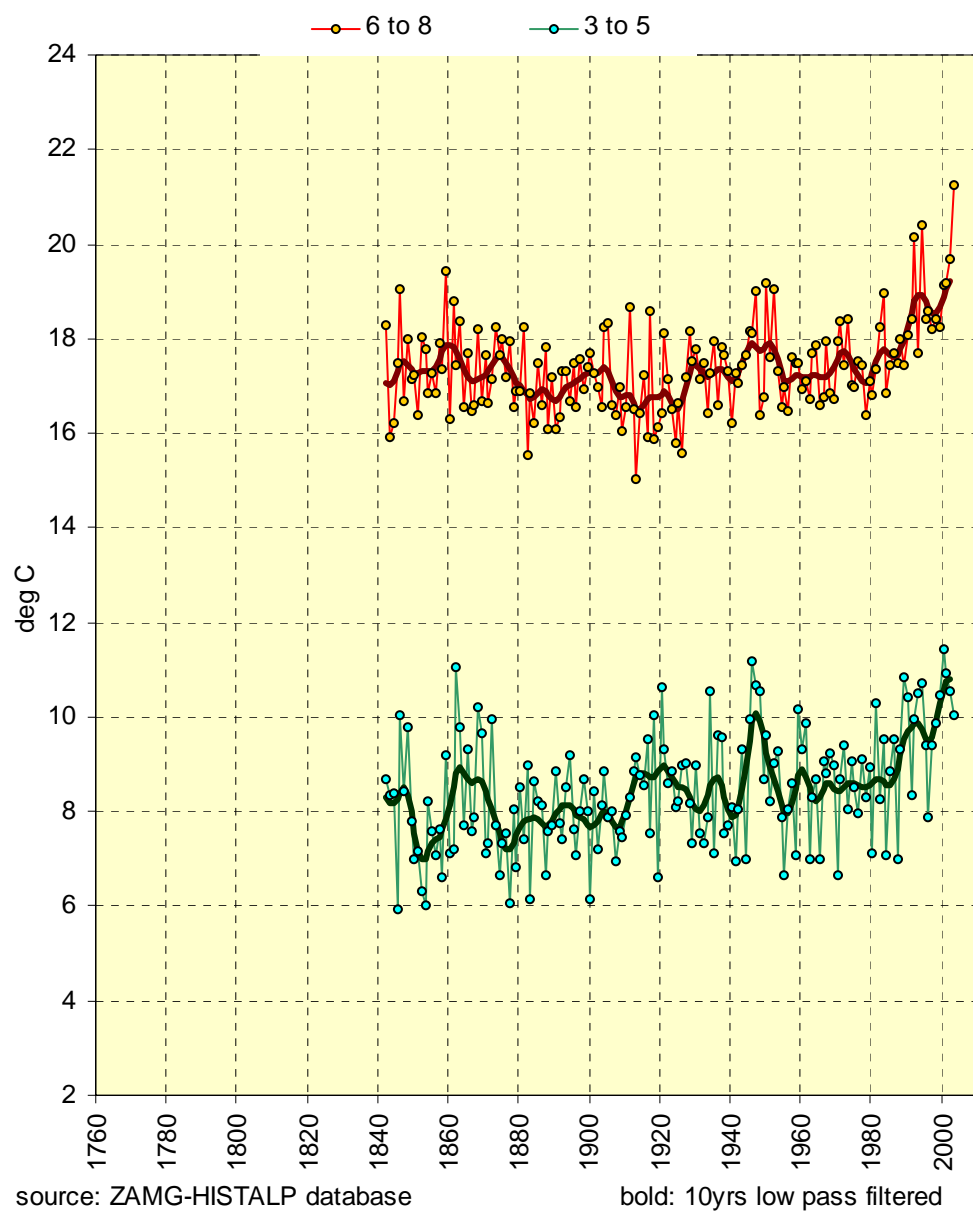


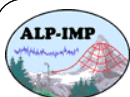
# Regensburg : air temperature 1773-2003



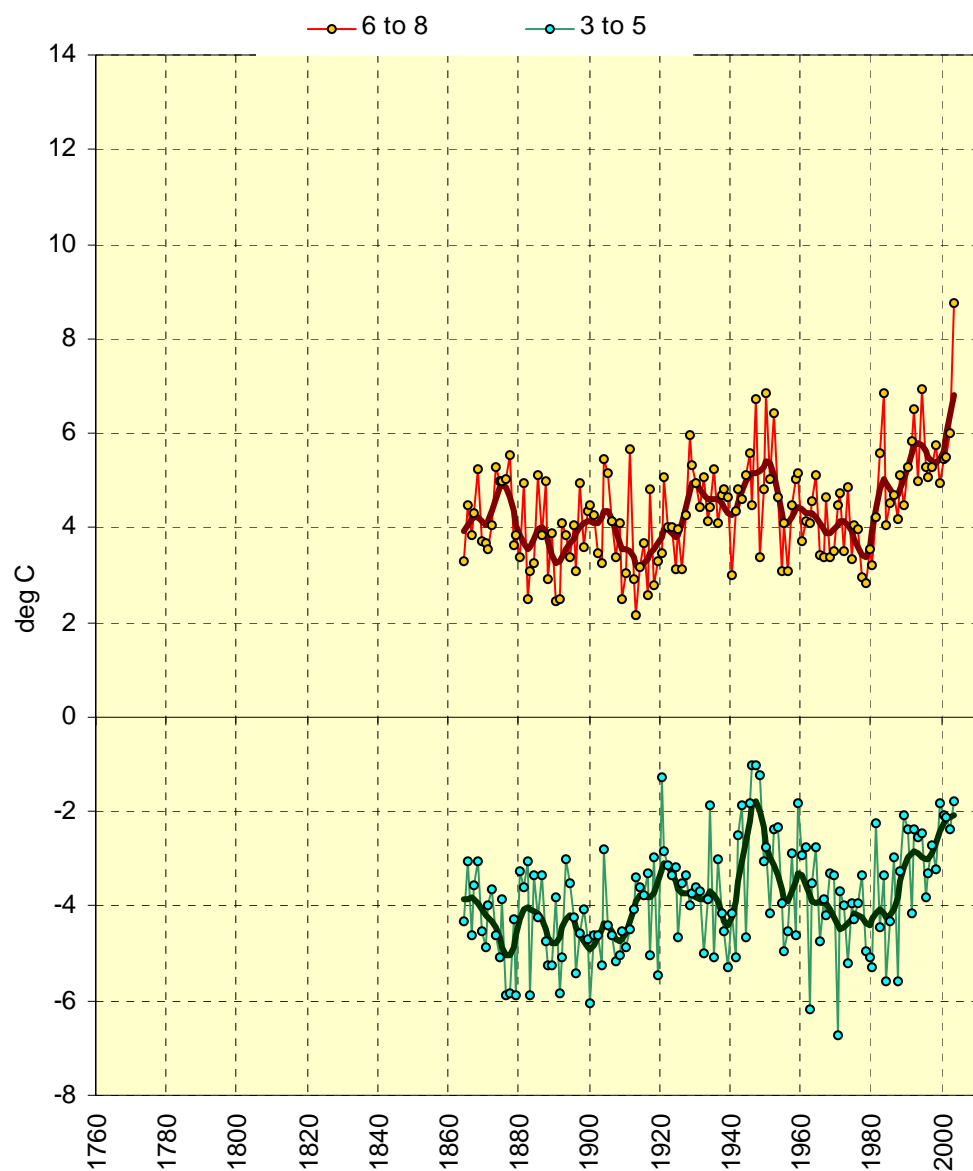


# Salzburg : air temperature 1842-2003



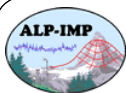


# Santis : air temperature 1864-2003

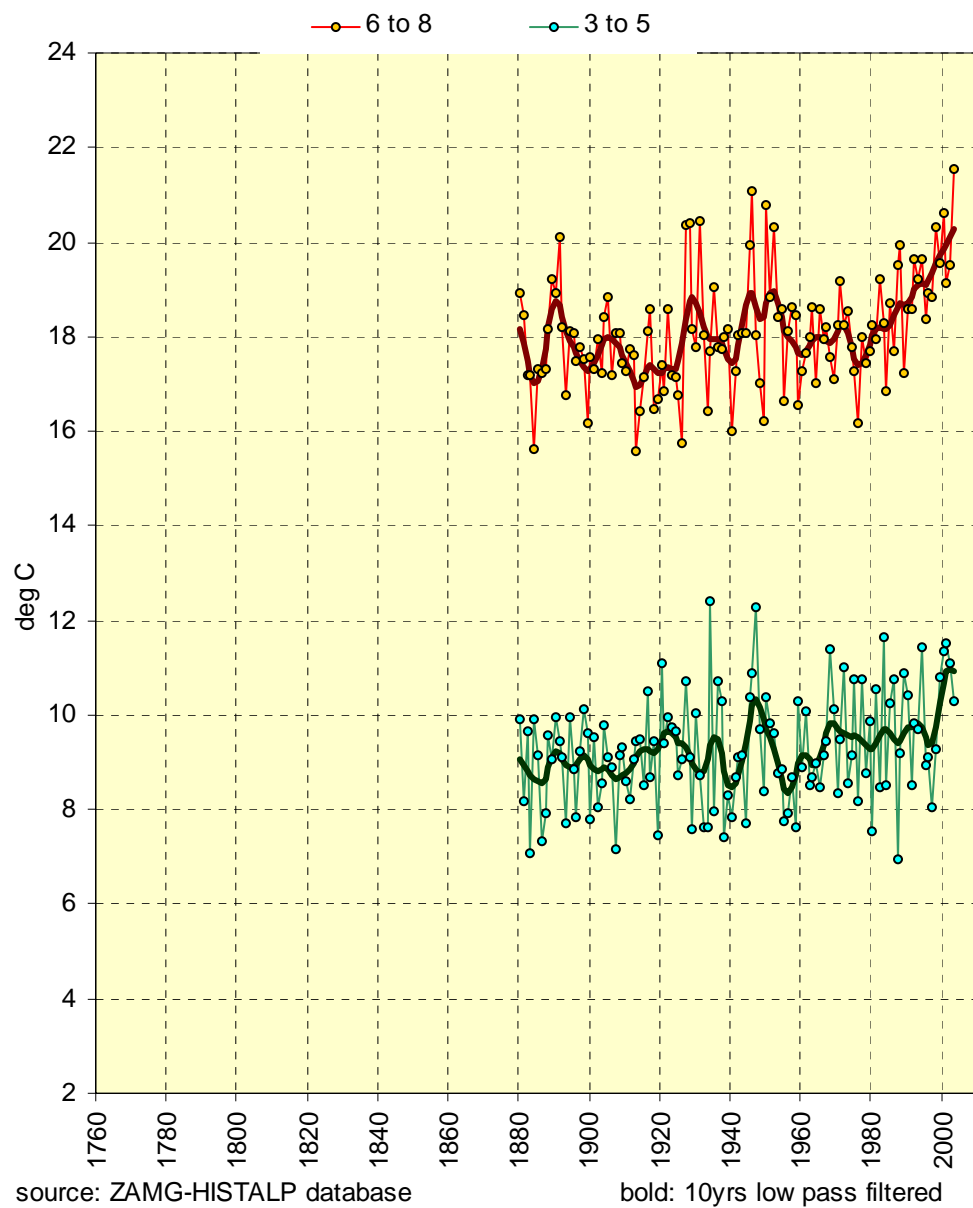


source: ZAMG-HISTALP database

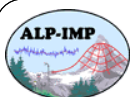
bold: 10yrs low pass filtered



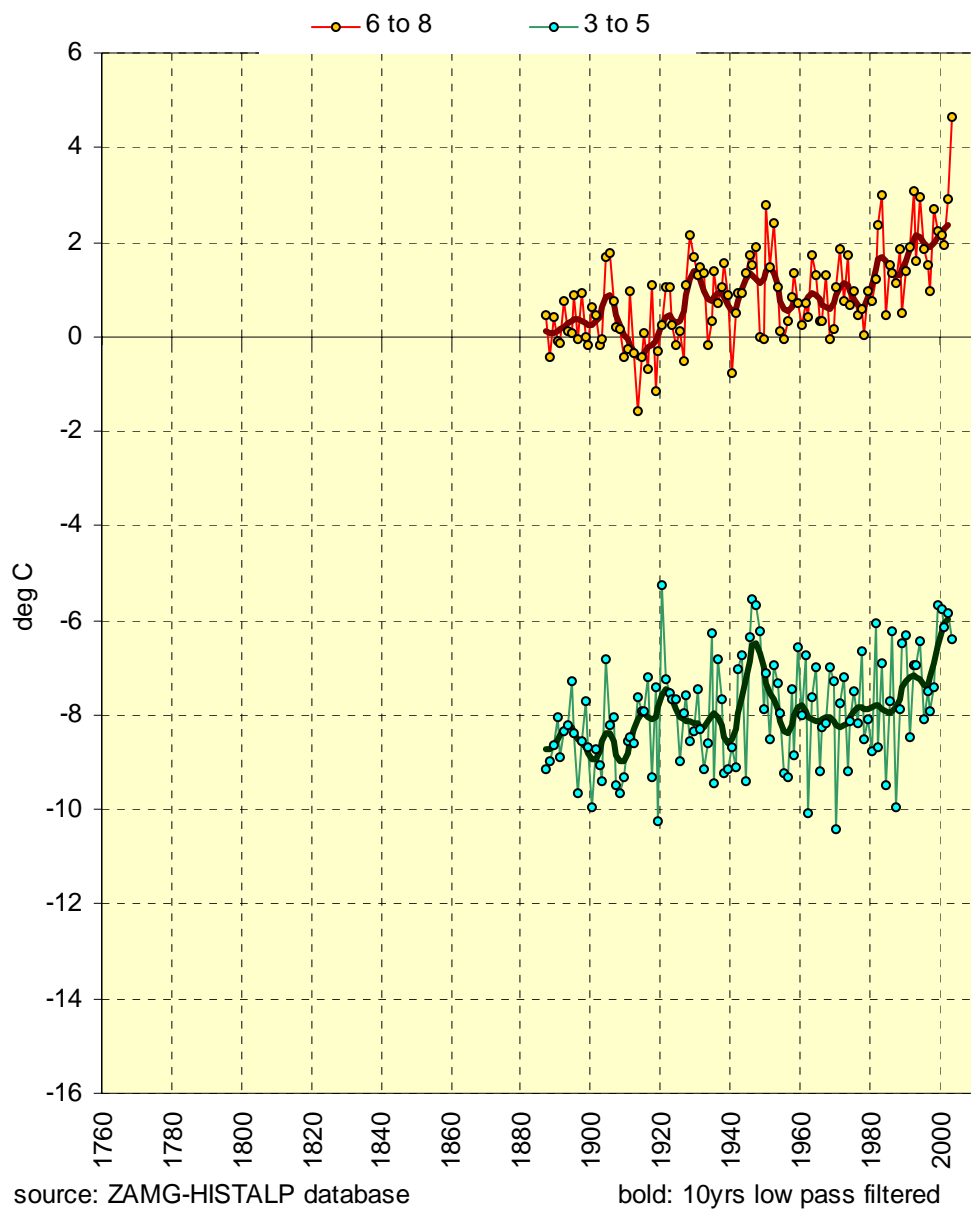
# Sarajewo : air temperature 1880-2003

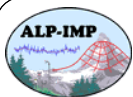




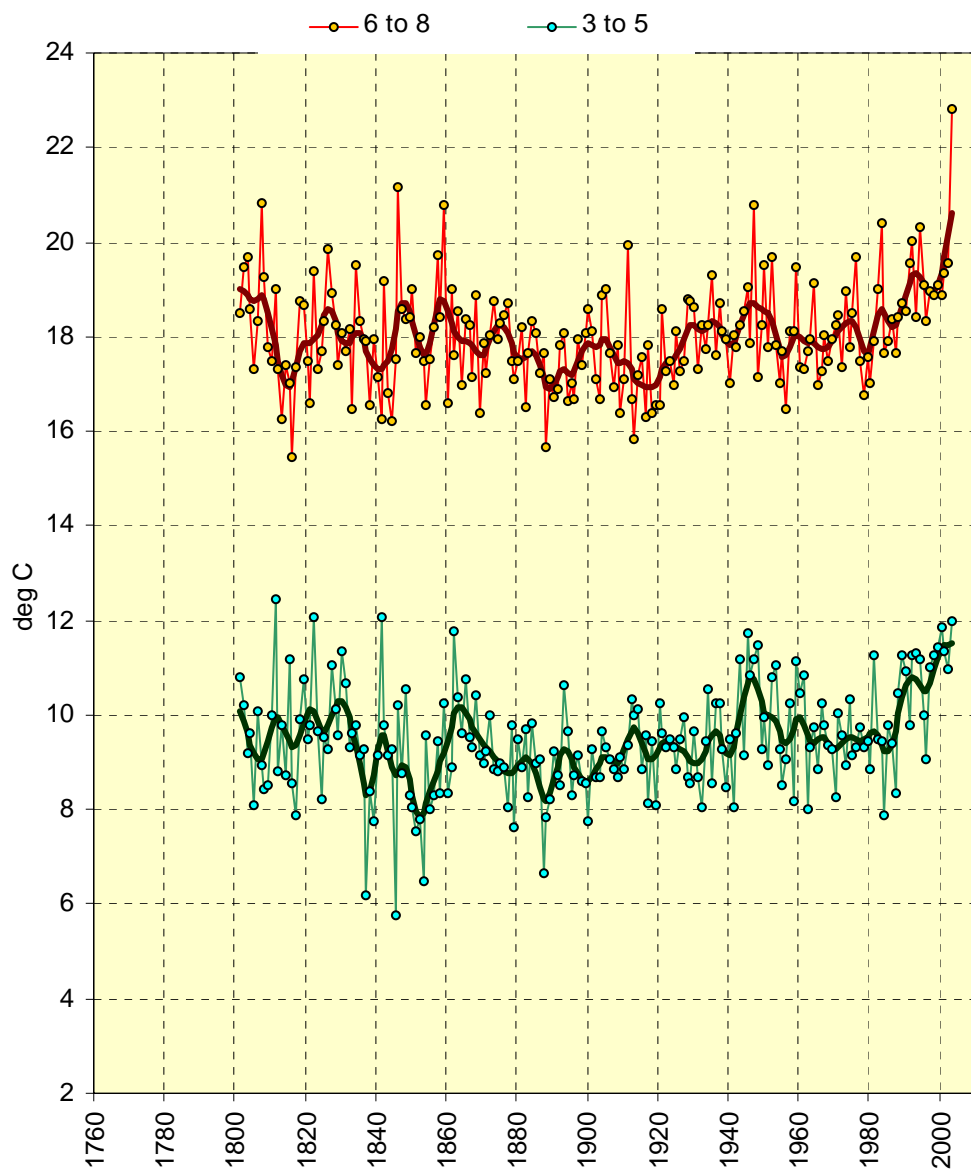


# Sonnblick : air temperature 1887-2003



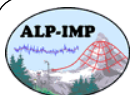


# Strasbourg : air temperature 1801-2003

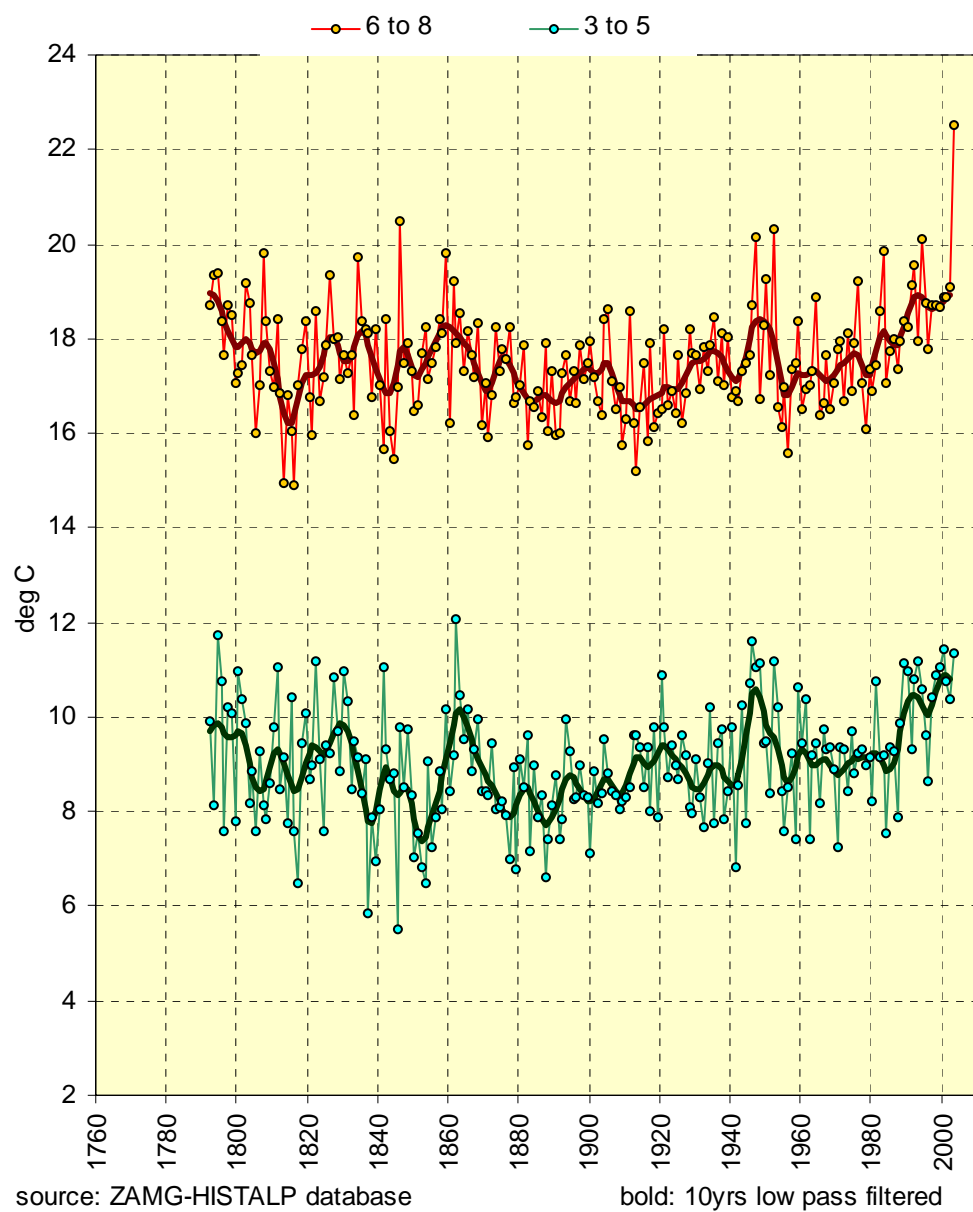


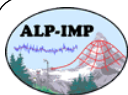
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

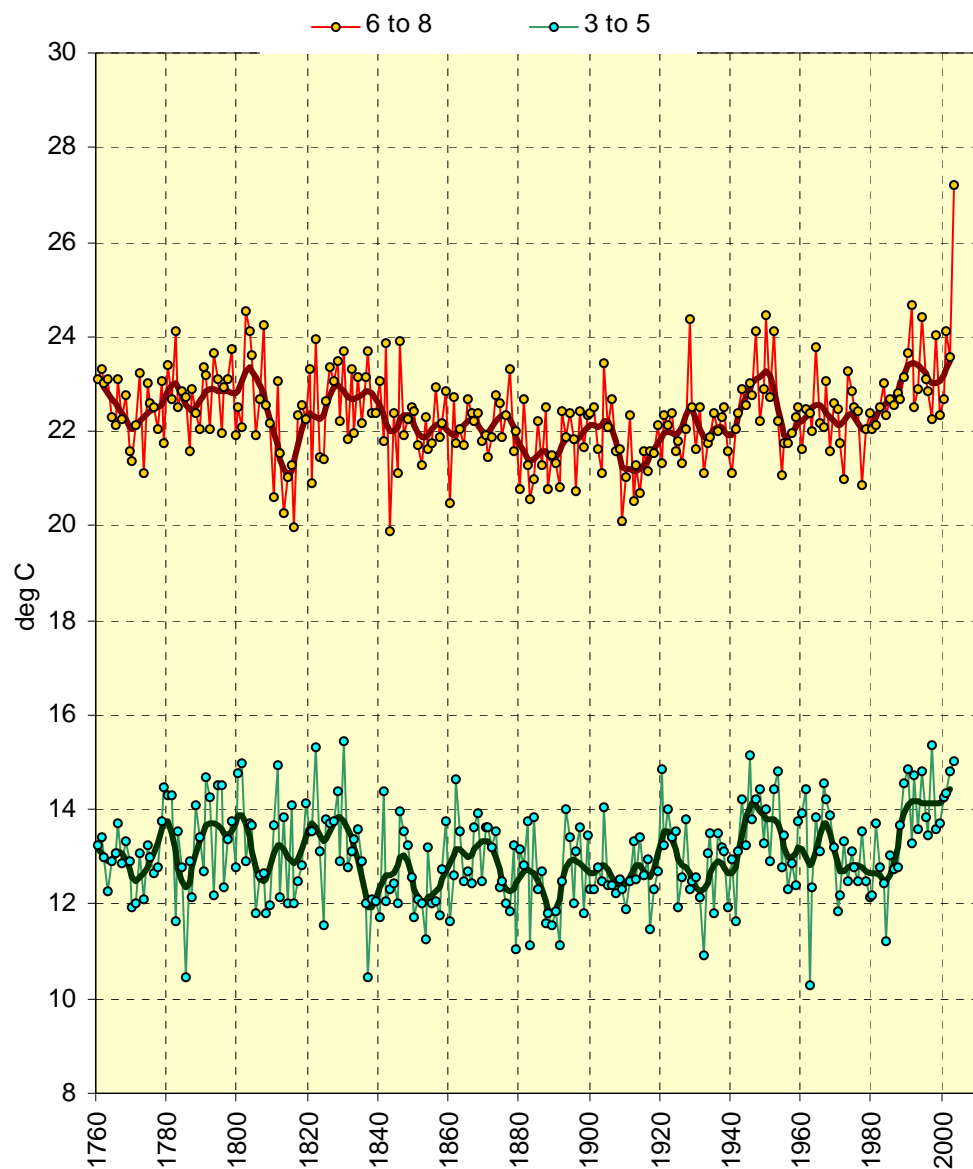


# Stuttgart : air temperature 1792-2003



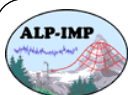


# Torino : air temperature 1760-2003

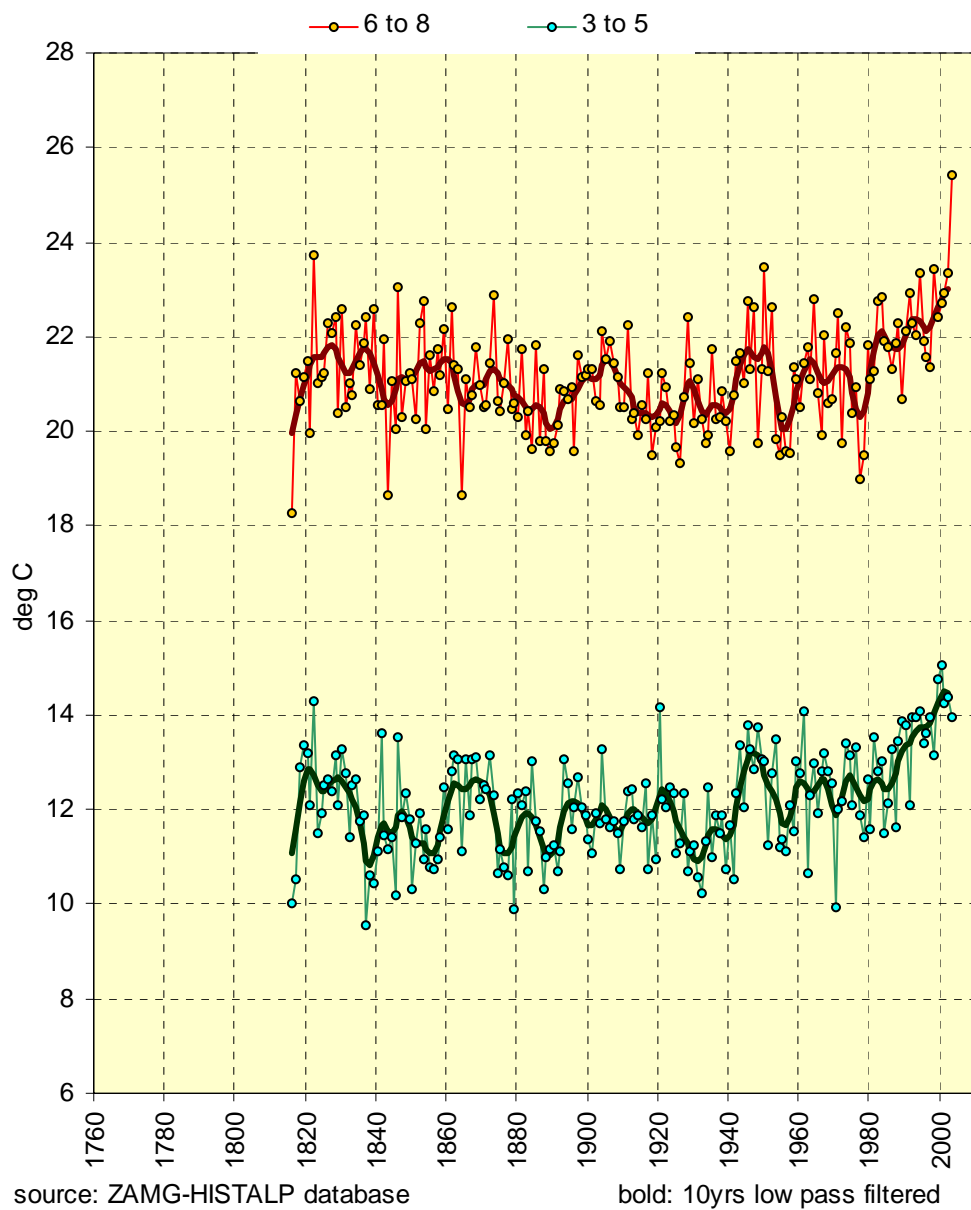


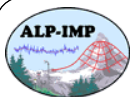
source: ZAMG-HISTALP database

bold: 10yrs low pass filtered

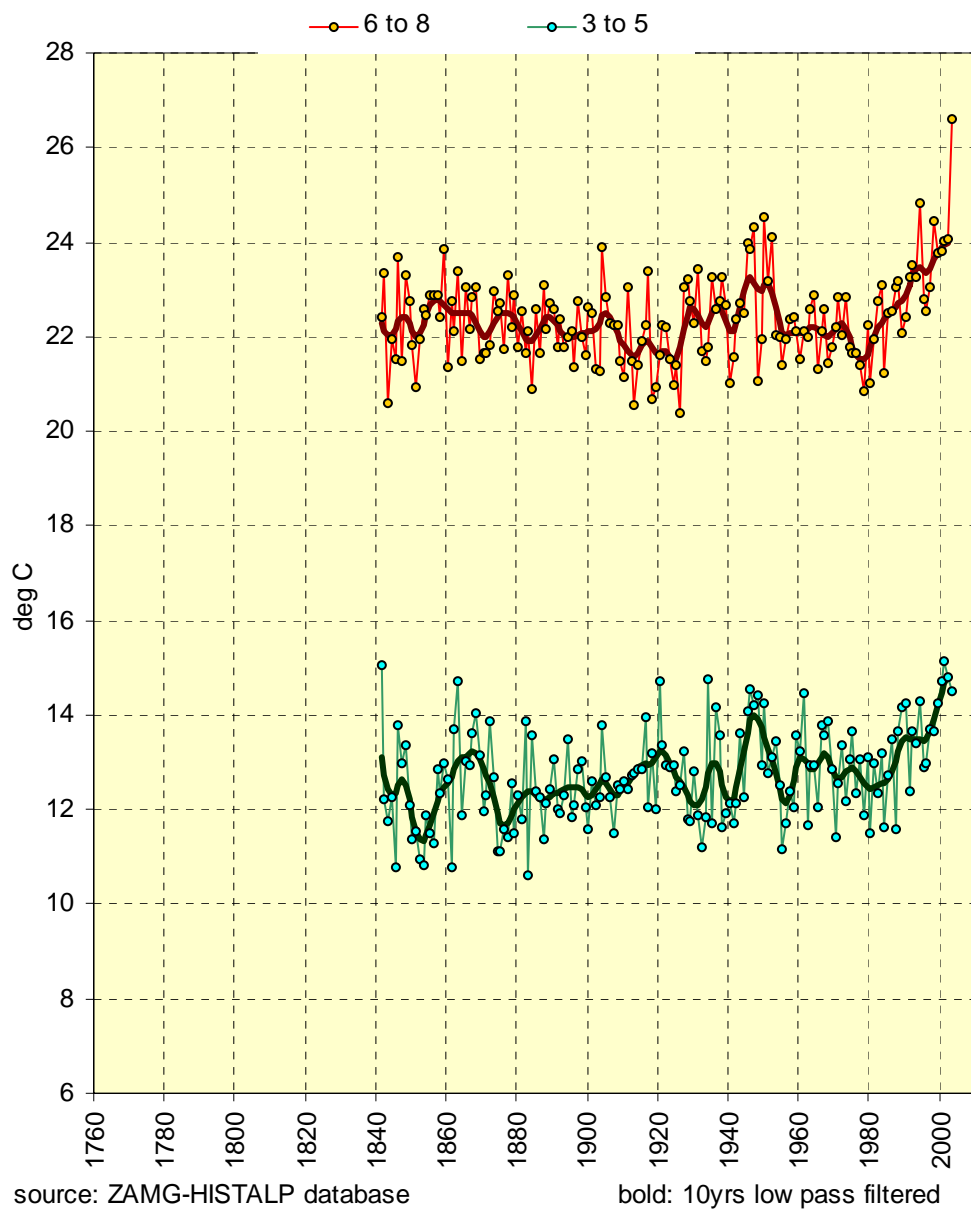


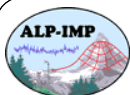
# Trento : air temperature 1816-2003



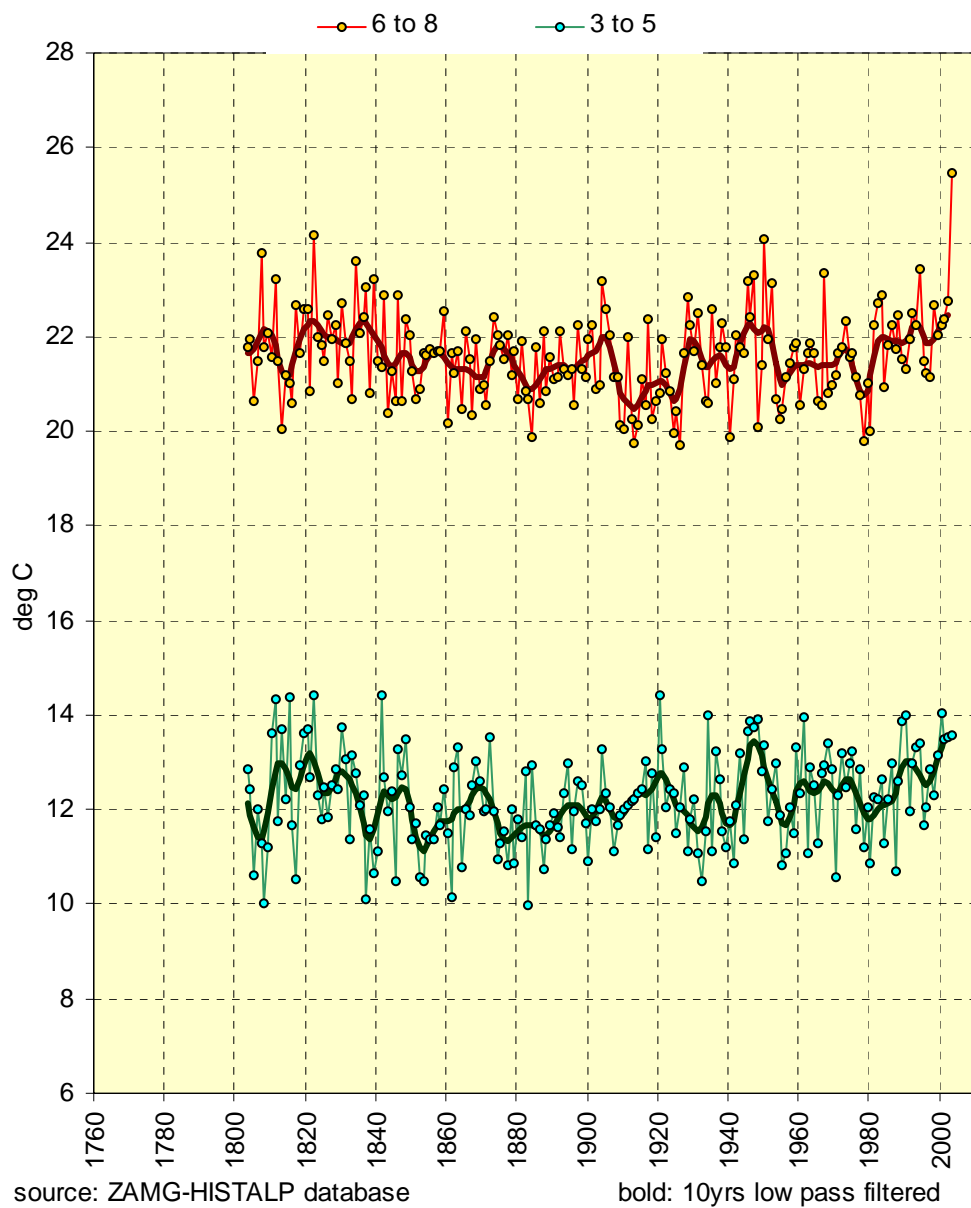


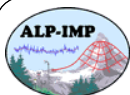
# Trieste : air temperature 1841-2003



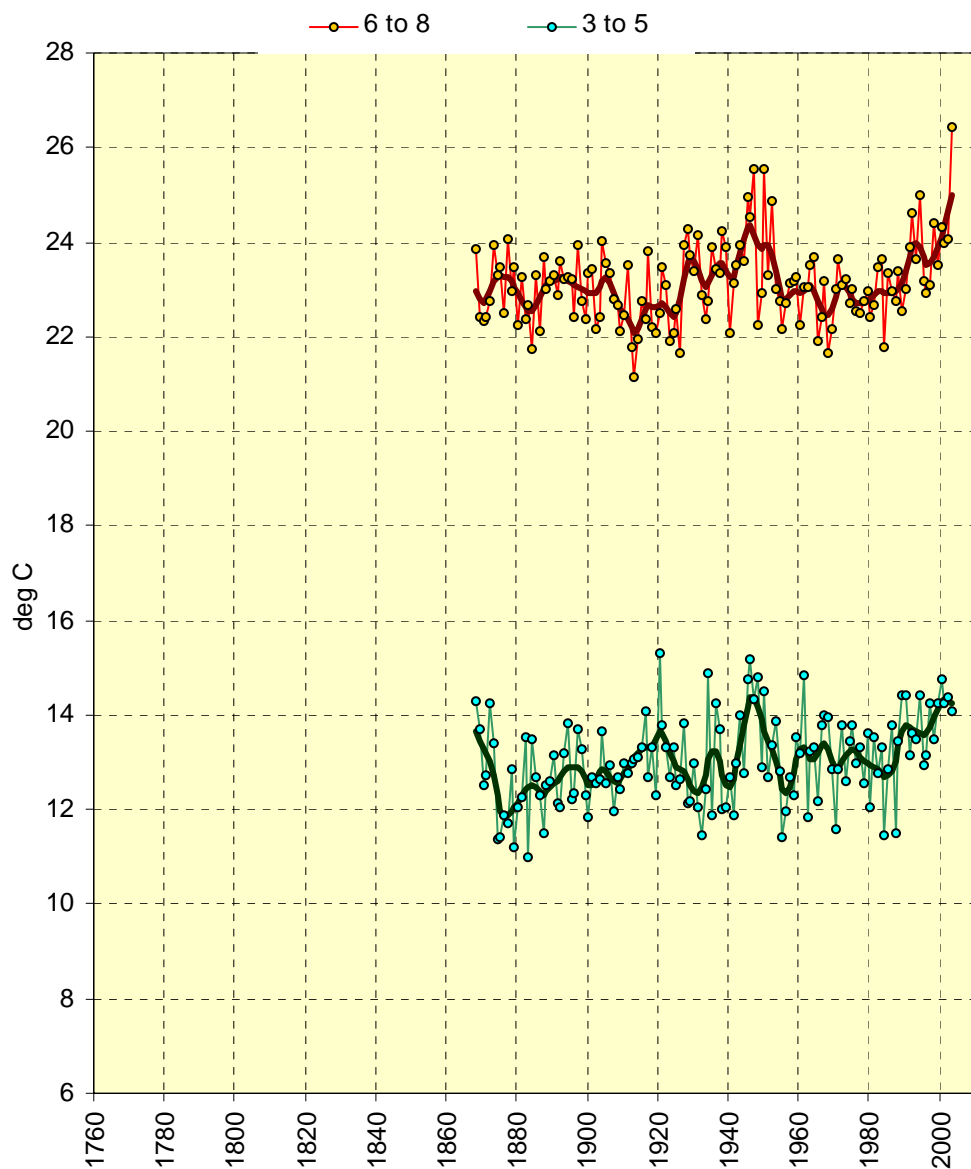


# Udine : air temperature 1803-2003





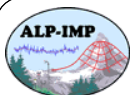
# Venezia : air temperature 1869-2003



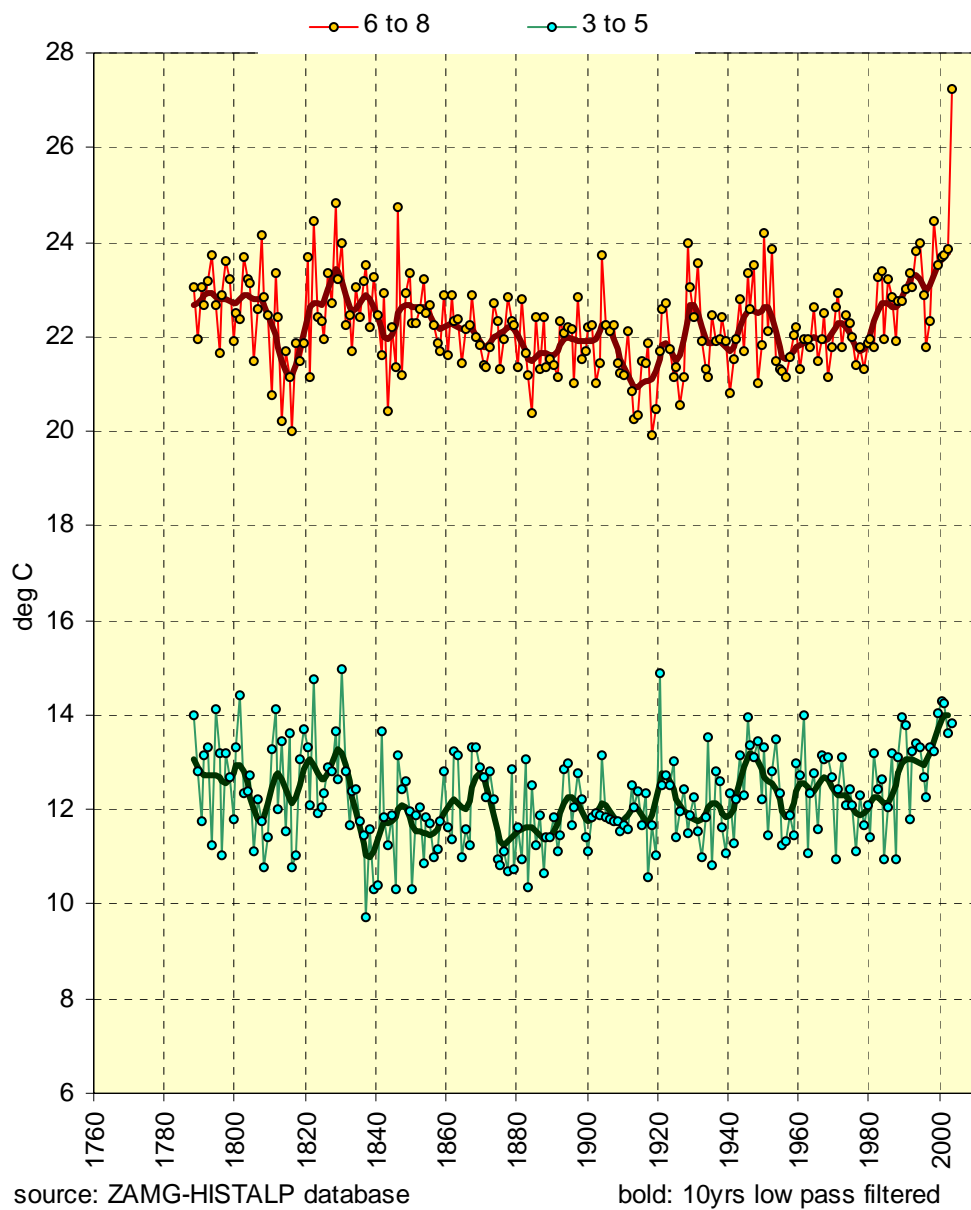
source: ZAMG-HISTALP database

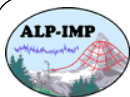
bold: 10yrs low pass filtered



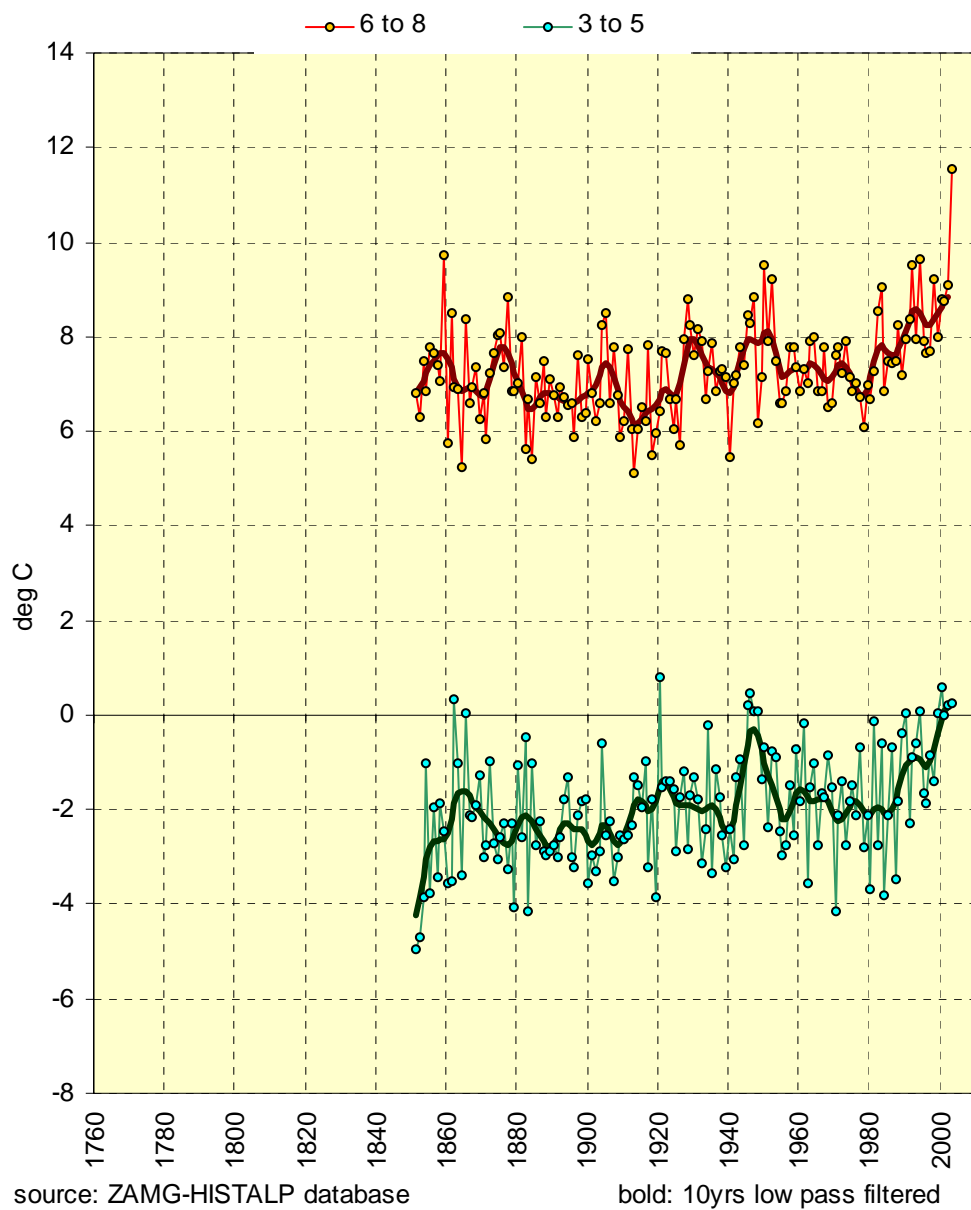


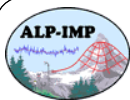
# Verona : air temperature 1788-2003



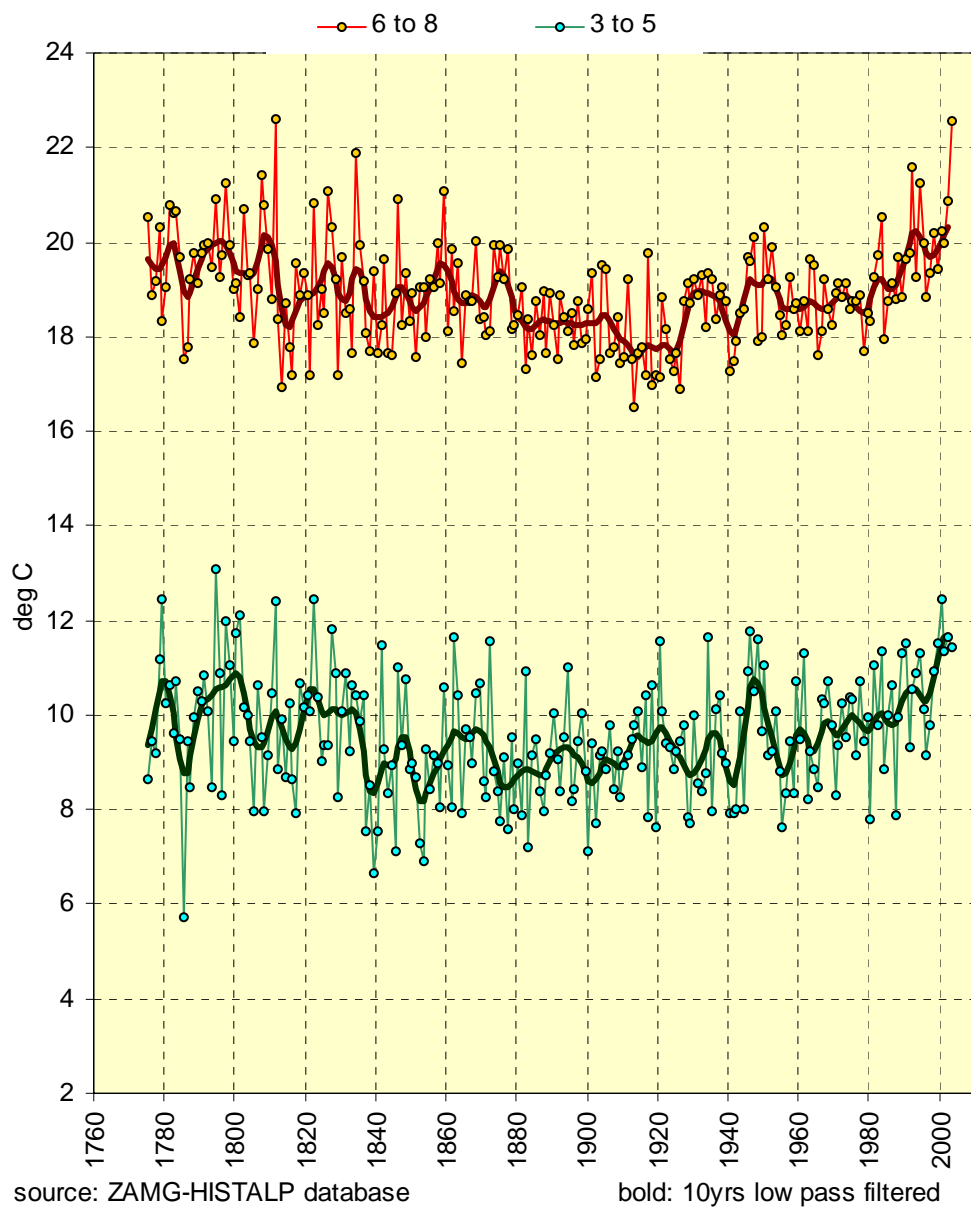


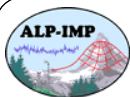
# Villacher Alpe - Obir : air temperature 1851-2003



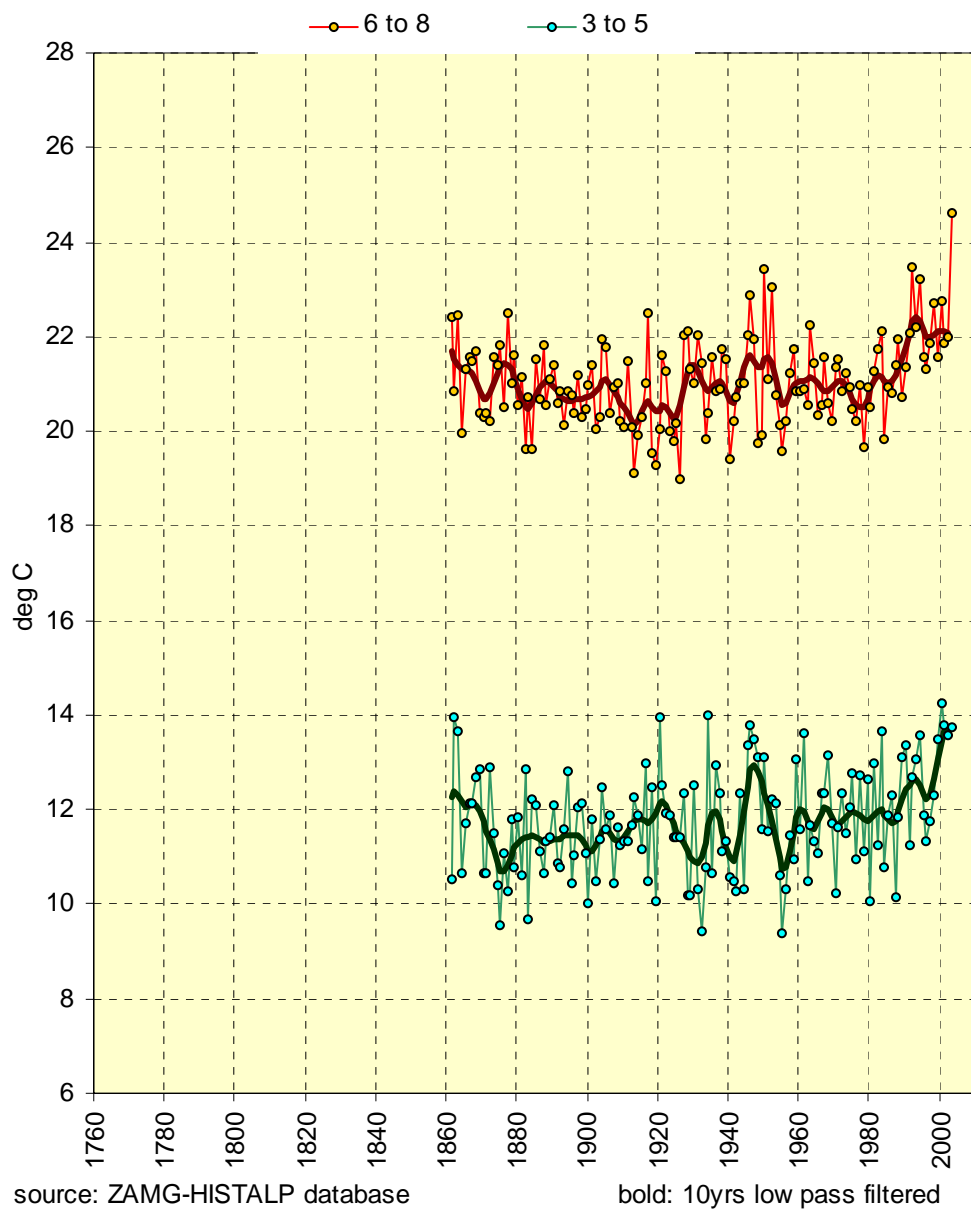


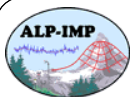
# Wien : air temperature 1775-2003



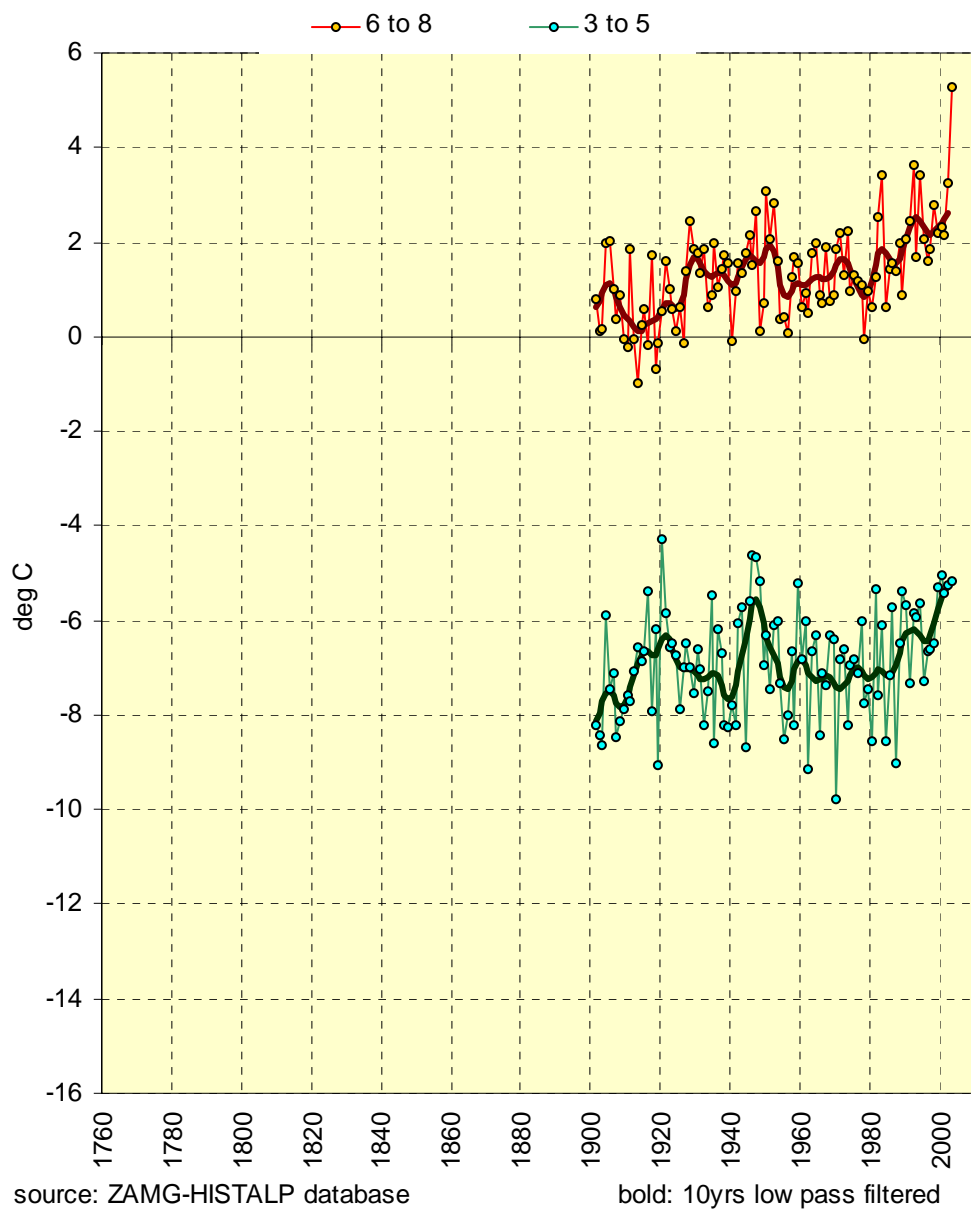


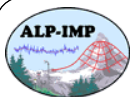
# Zagrab-Gric: air temperature 1862-2003



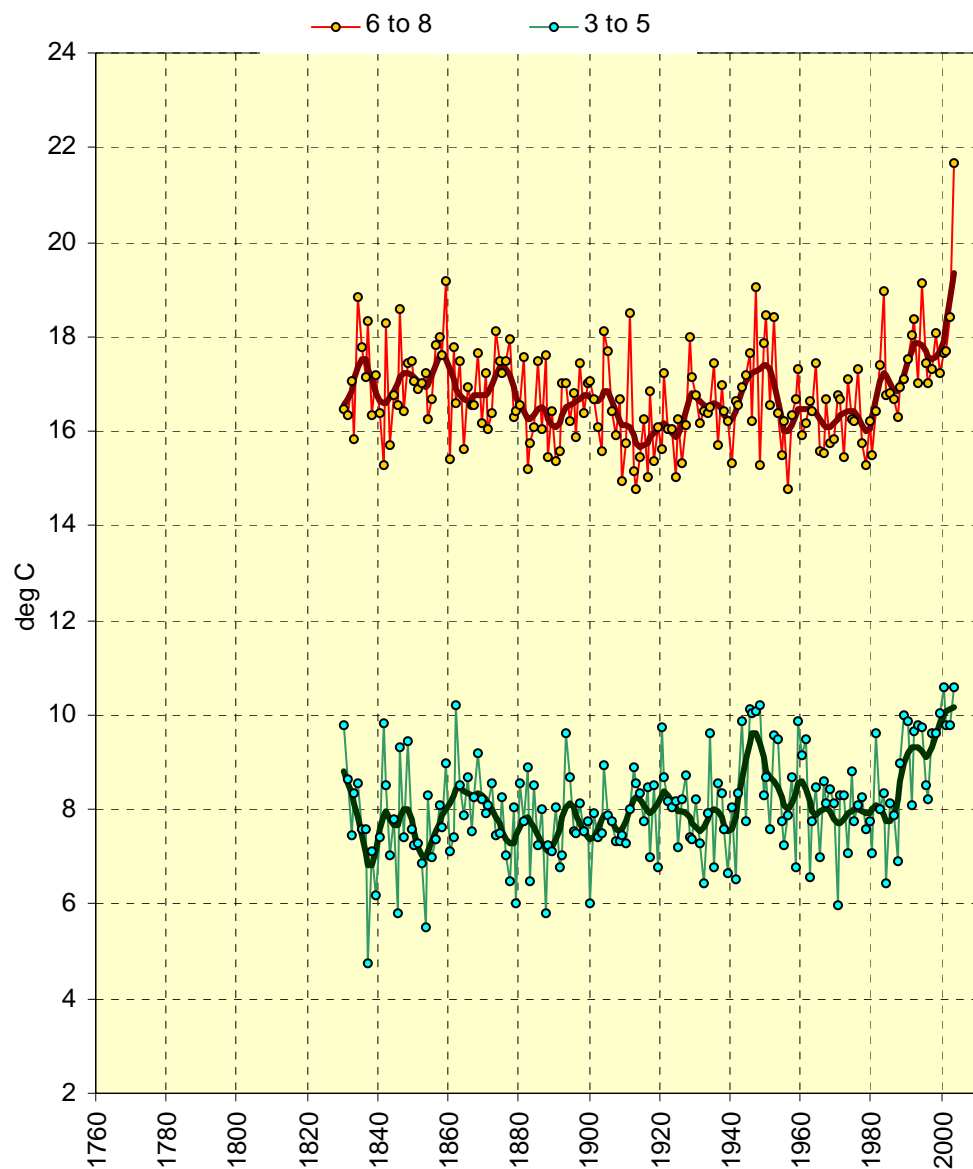


# Zugspitze : air temperature 1901-2003





# Zürich : air temperature 1830-2003



source: ZAMG-HISTALP database

bold: 10yrs low pass filtered