



ARSO HYDRO
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dr. Peter Frantar, mag. Florjana Ulaga

River flow regime



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River flow regime describes an average seasonal behaviour of flow and reflects the climatic and physiographic conditions in a basin.

Regime tendencies



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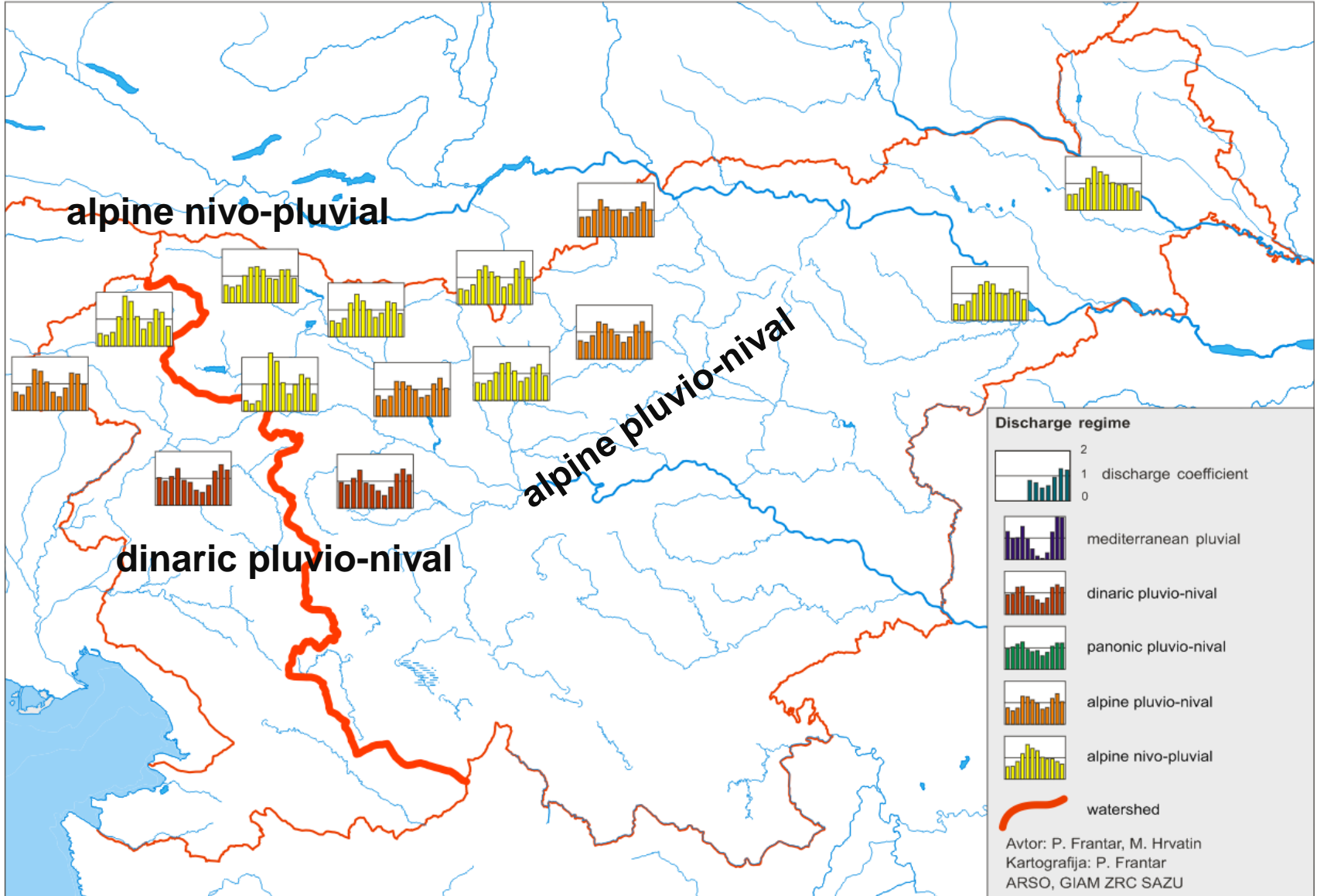
| 1961–1990 | 1971–2000 |
|--|------------------------------|
| alpine nival | alpine nivo-pluvial |
| alpine high - mountain nivo-pluvial | |
| alpine mountain nivo-pluvial | alpine pluvio-nival |
| alpine pluvio-nival | |
| dinaric – alpine pluvio-nival | dinaric pluvio-nival |
| dinaric pluvio-nival | |
| panonian pluvio-nival | panonian pluvio-nival |
| mediteranean pluvial | mediteranean pluvial |

Flow regimes in the Alps 1971-2000



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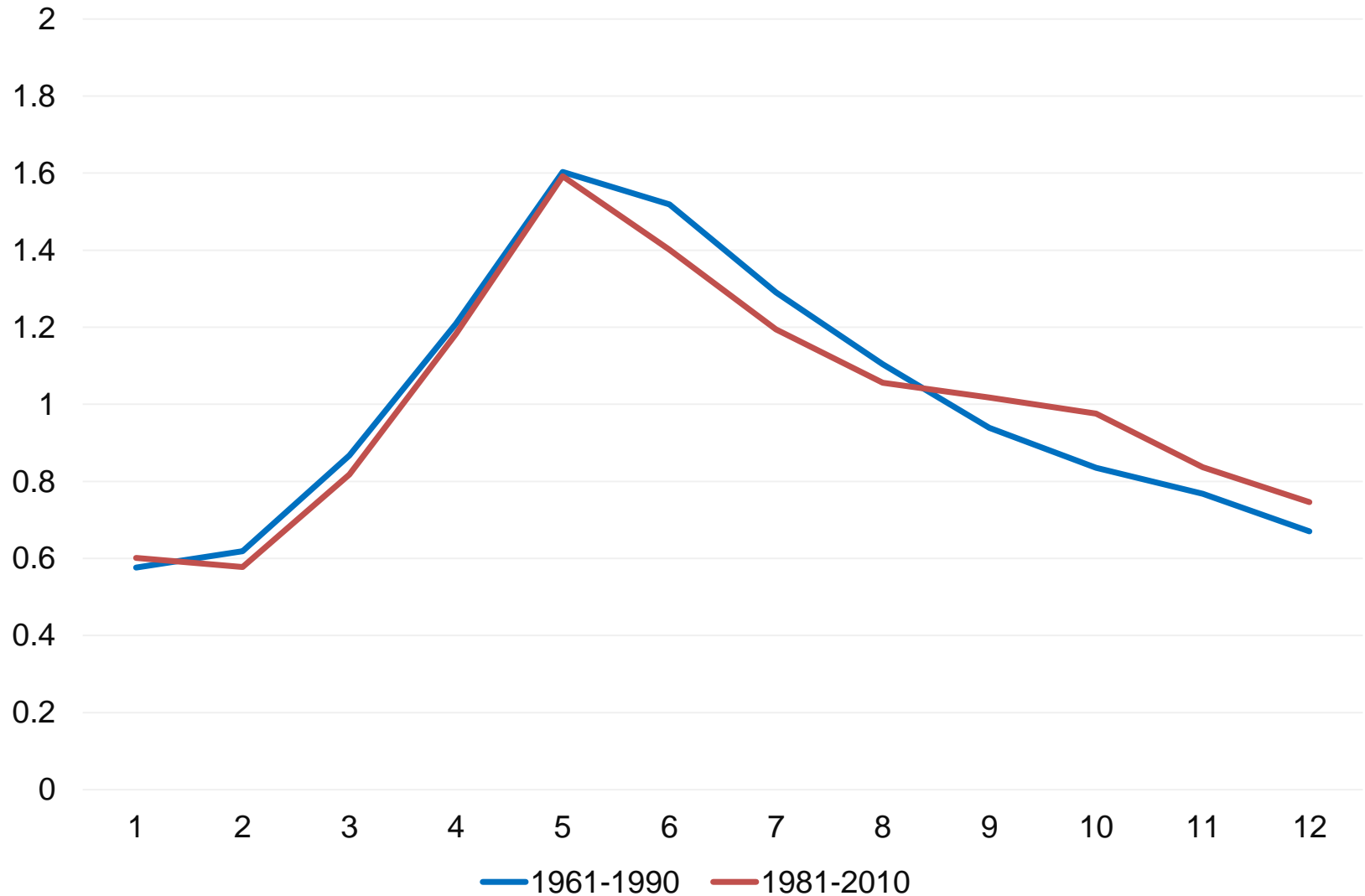


Alpine nival



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Discharge regime Mura

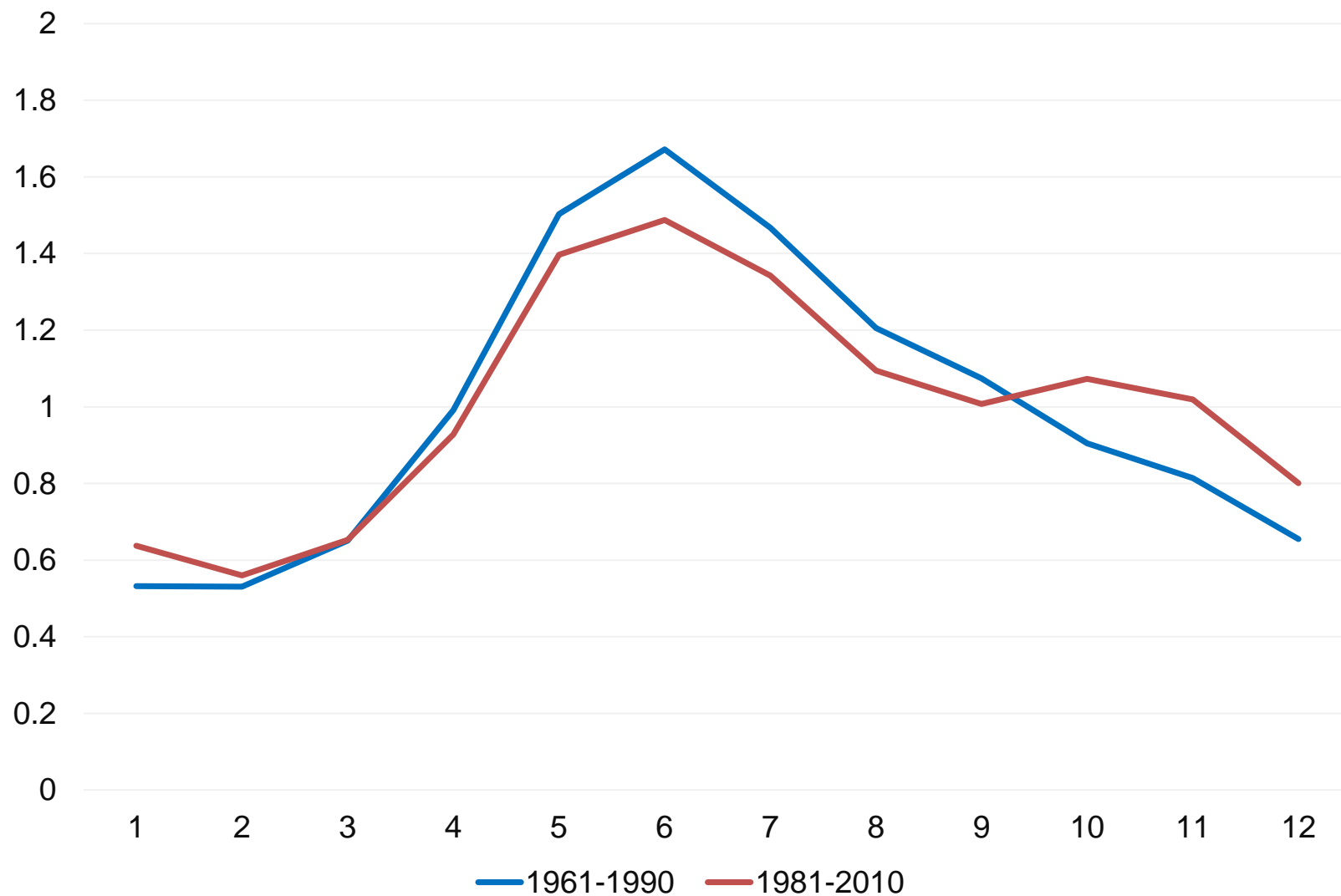


Alpine nival



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Discharge regime Drava

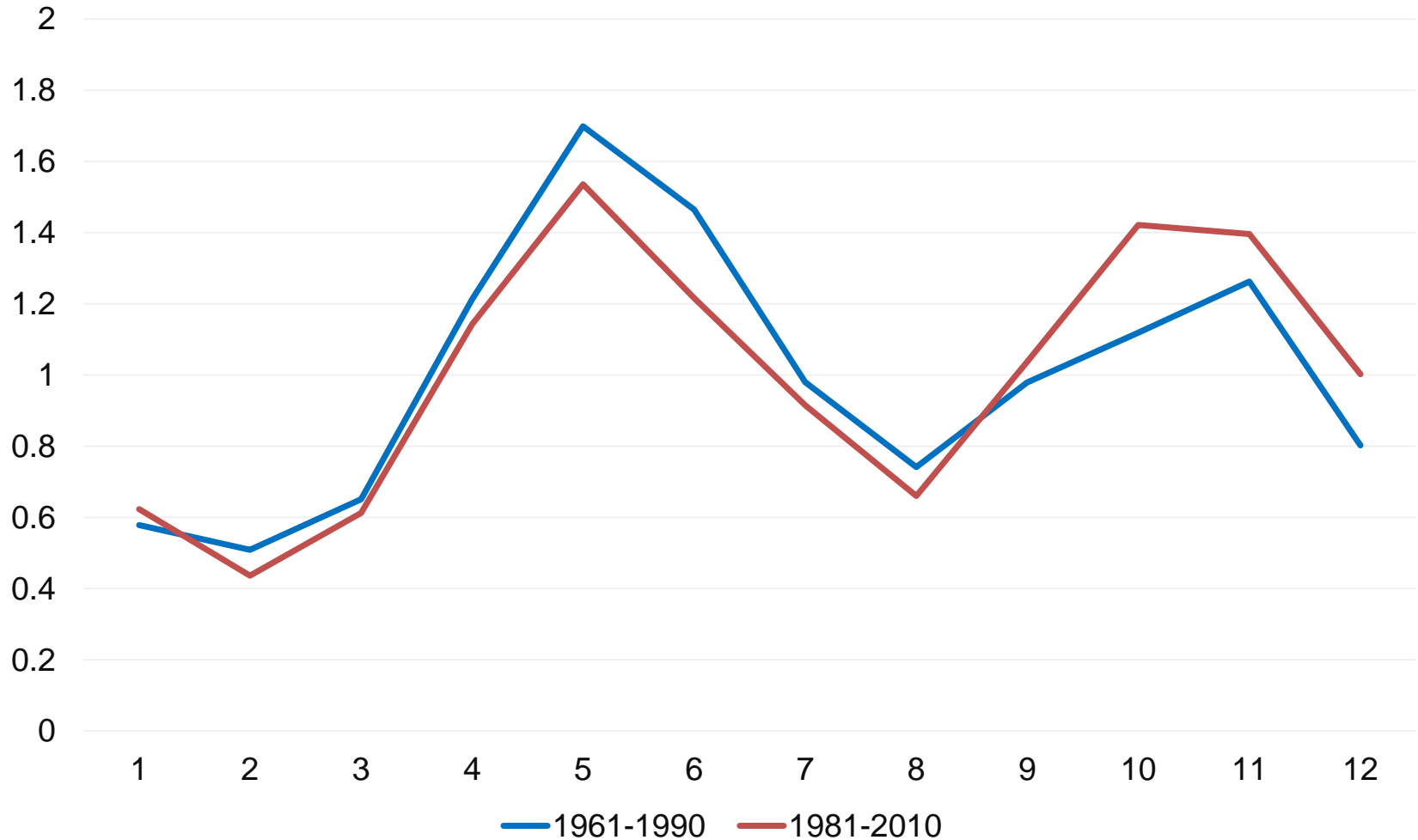


Alpine nivo-pluvial



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Discharge regime Soča Kobarid

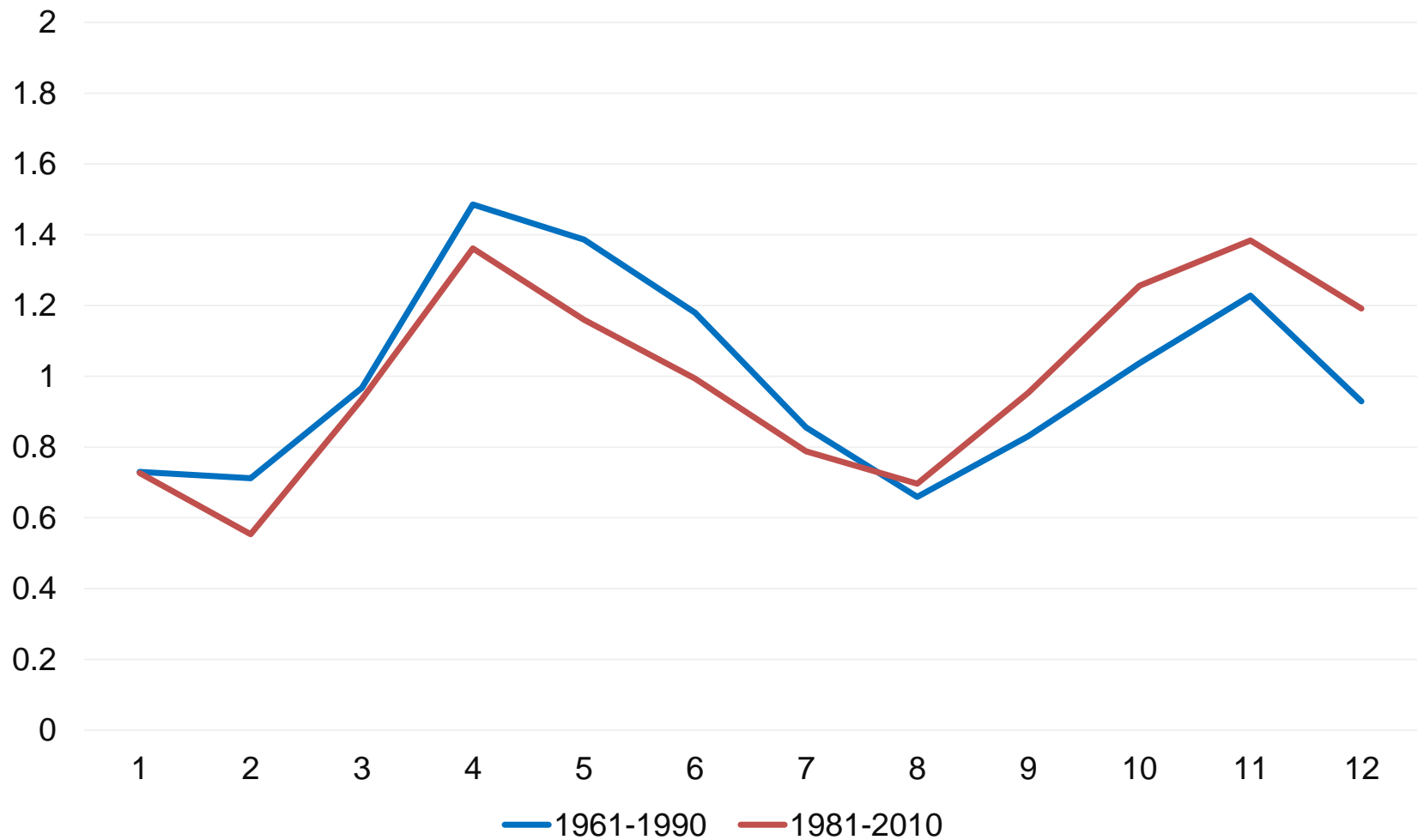


Alpine nivo-pluvial



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Discharge regime Savinja Nazarje

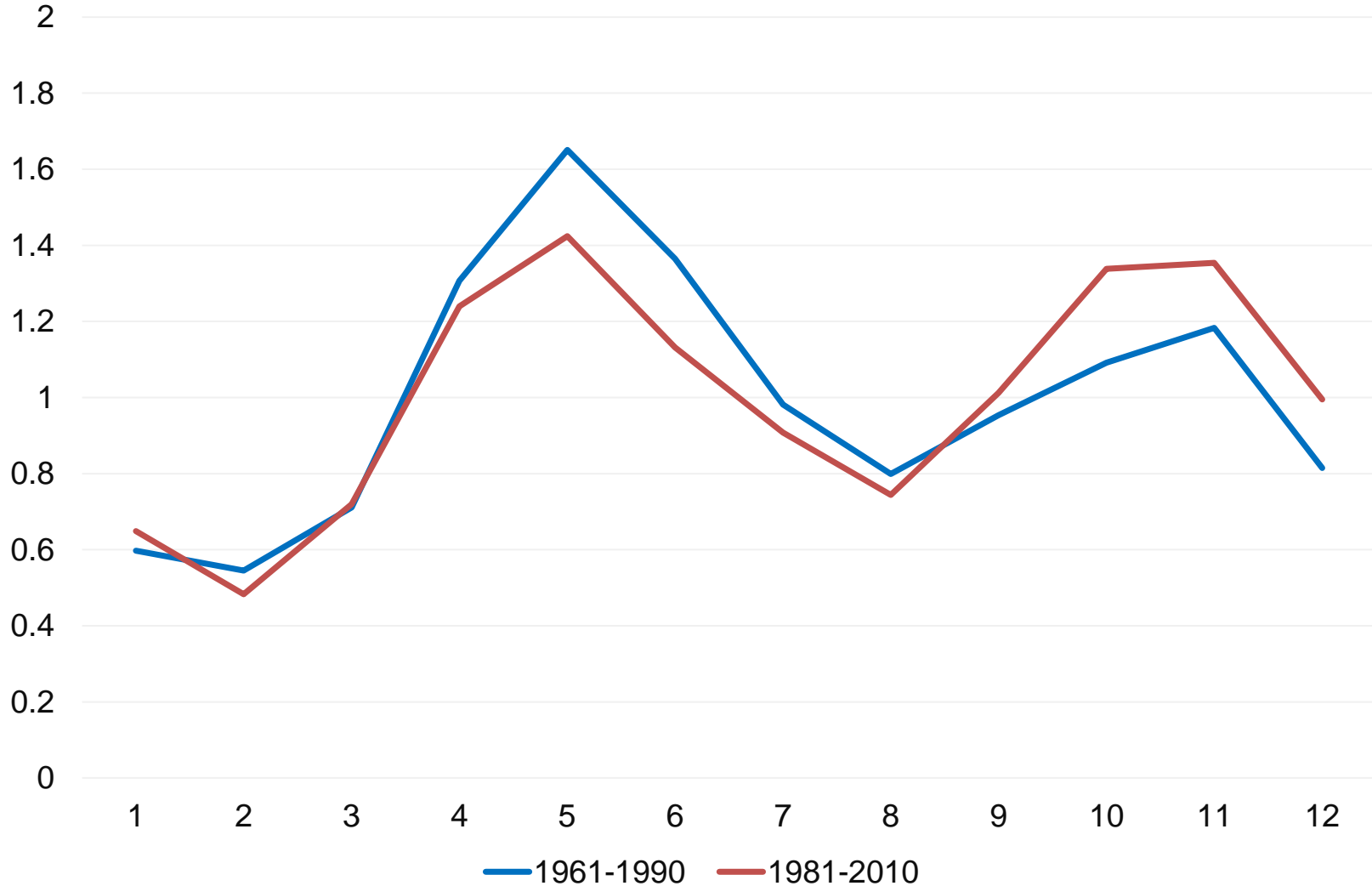


Alpine pluvio - nival



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Discharge regime Sava Radovljica

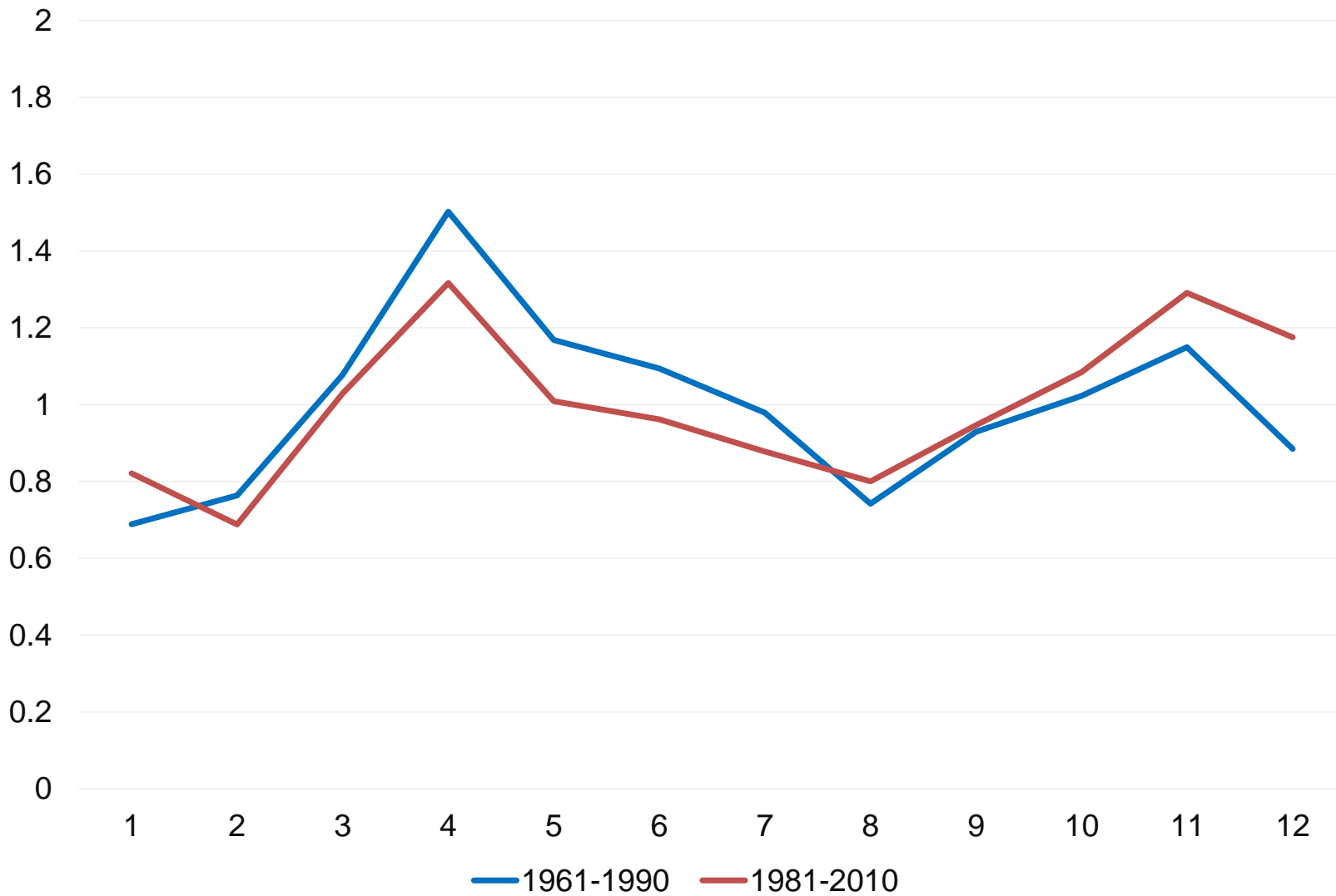


Alpine pluvio - nival



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Discharge regime Meža Otiški Vrh



Dinaric pluvio - nival



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Discharge regime Sora Suha

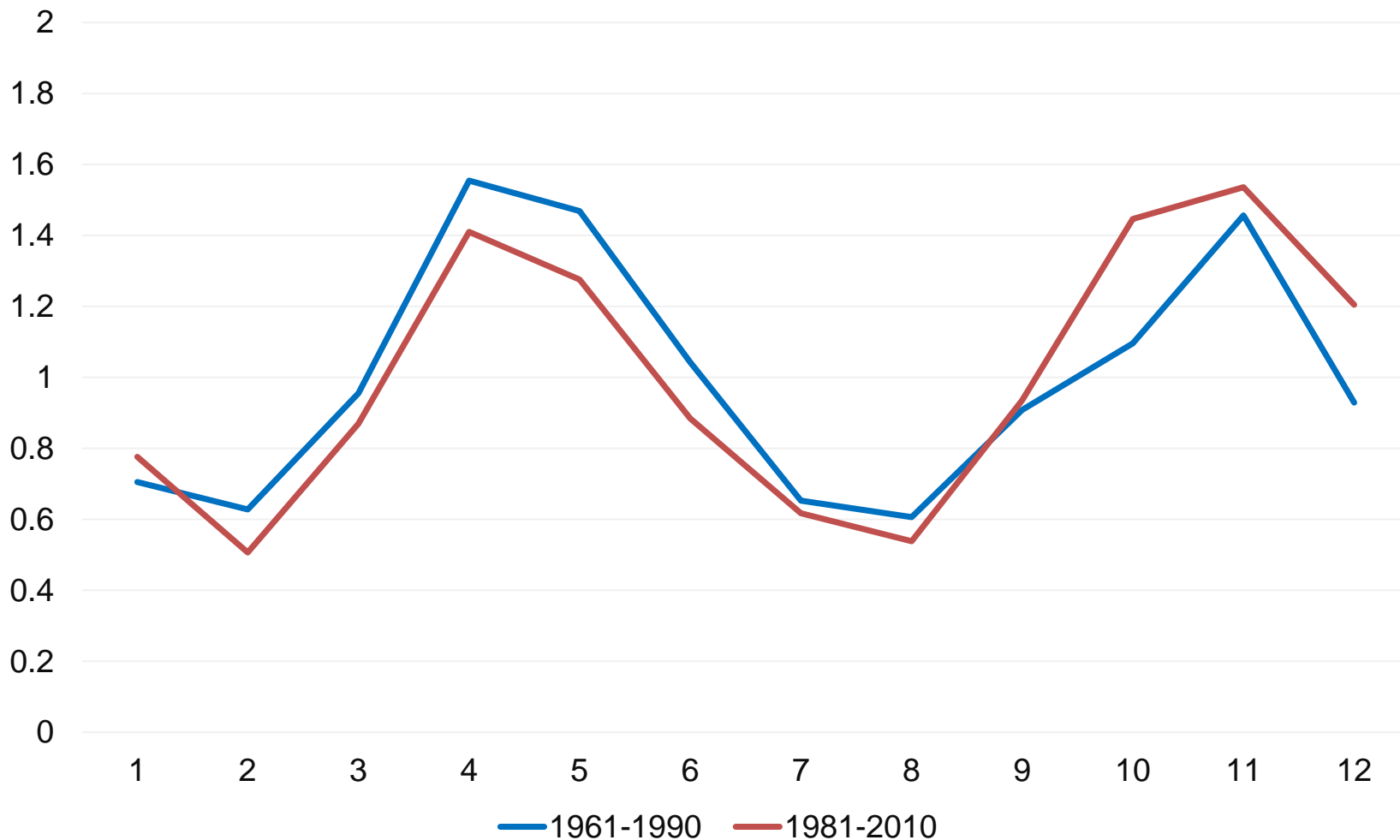


Dinaric pluvio - nival



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Discharge regime Idrijca Hotešk



River regimes



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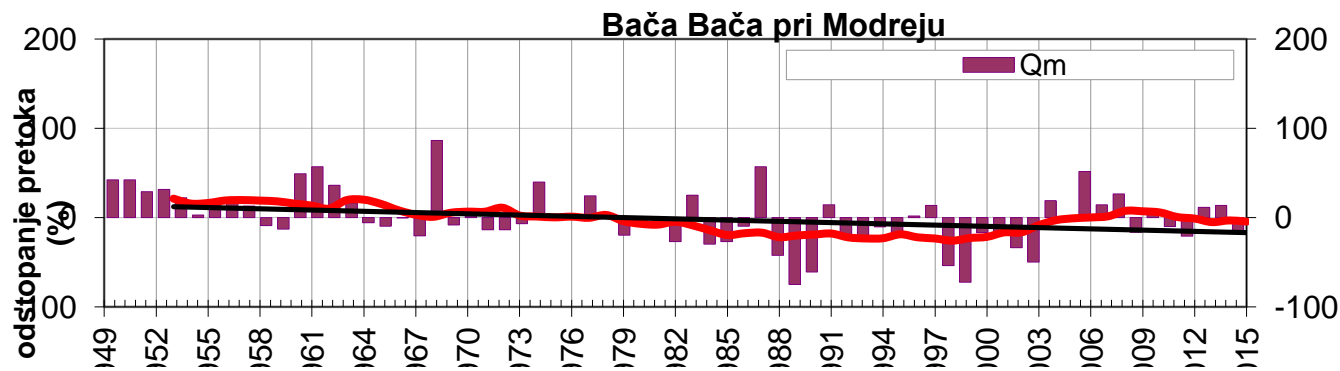
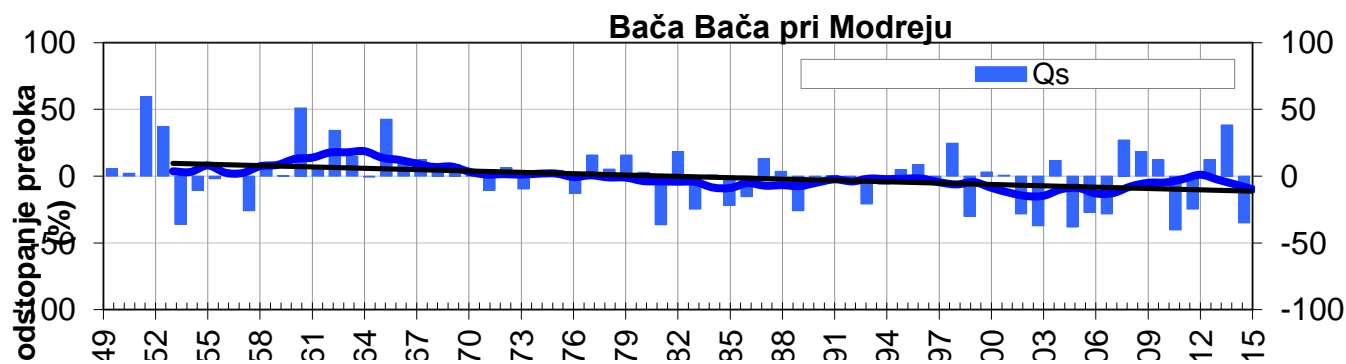
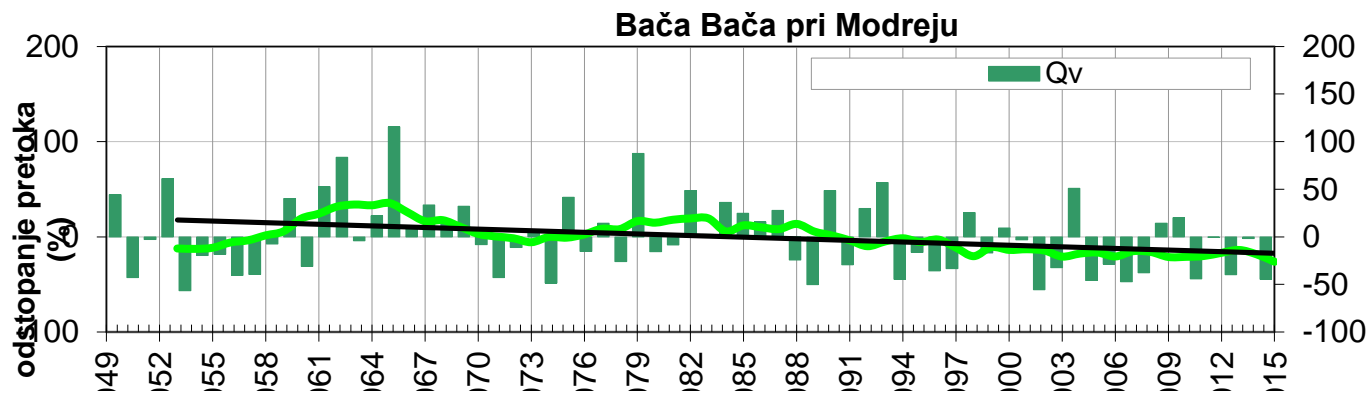
- river regimes are changing
- less water in summertime
- higher fall discharges
- less water retention in snow

River trends



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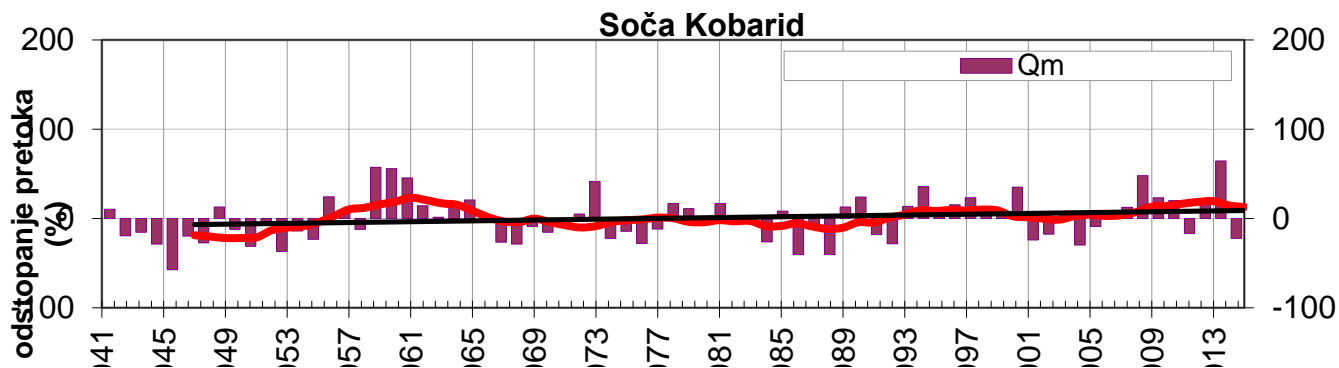
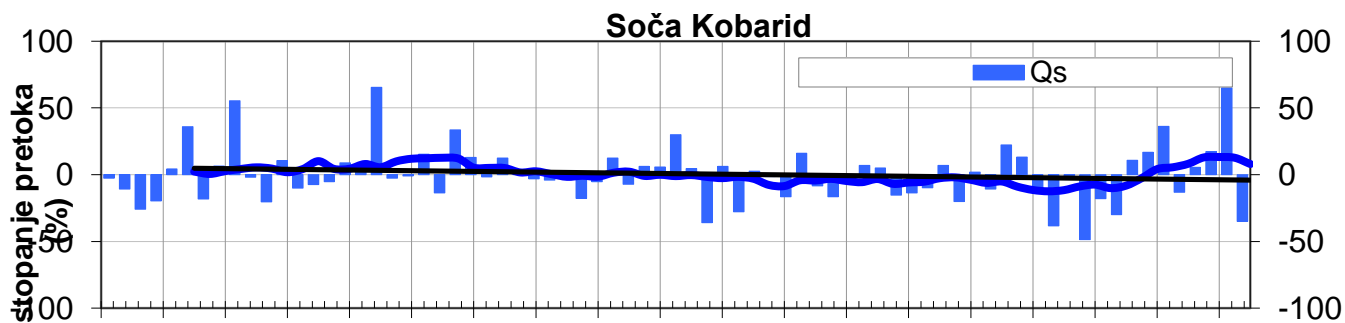
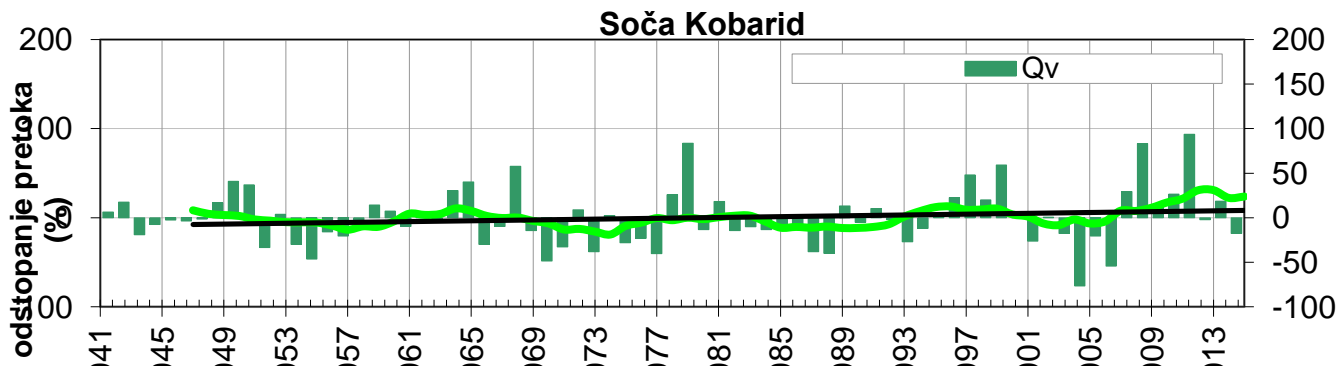


River trends



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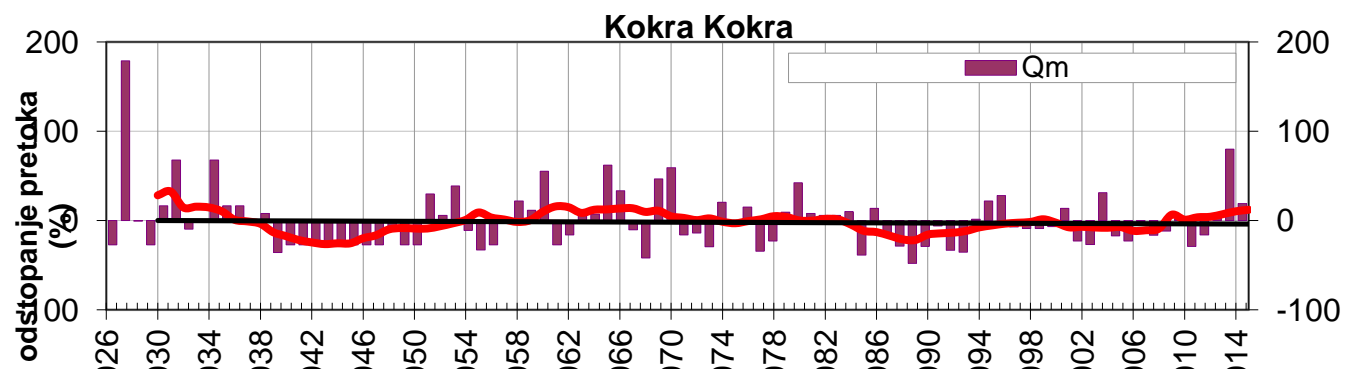
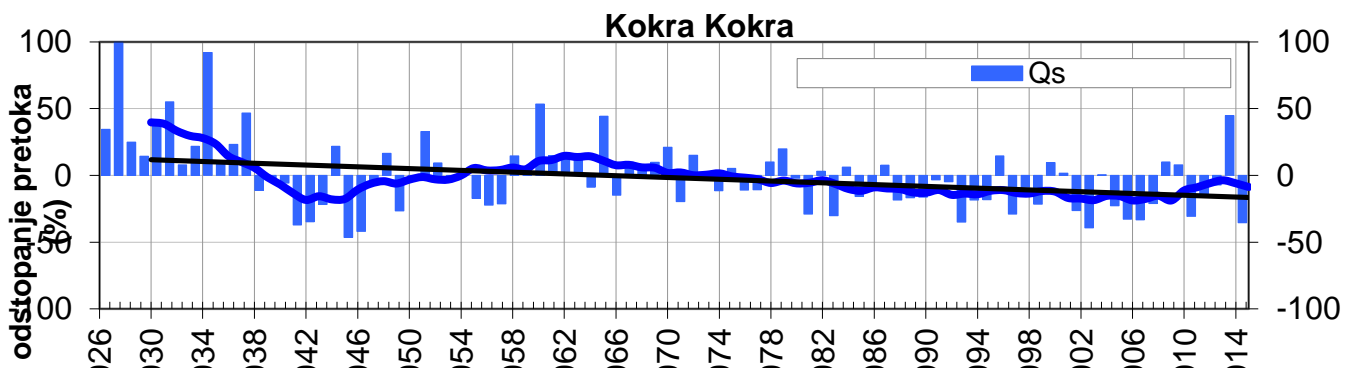
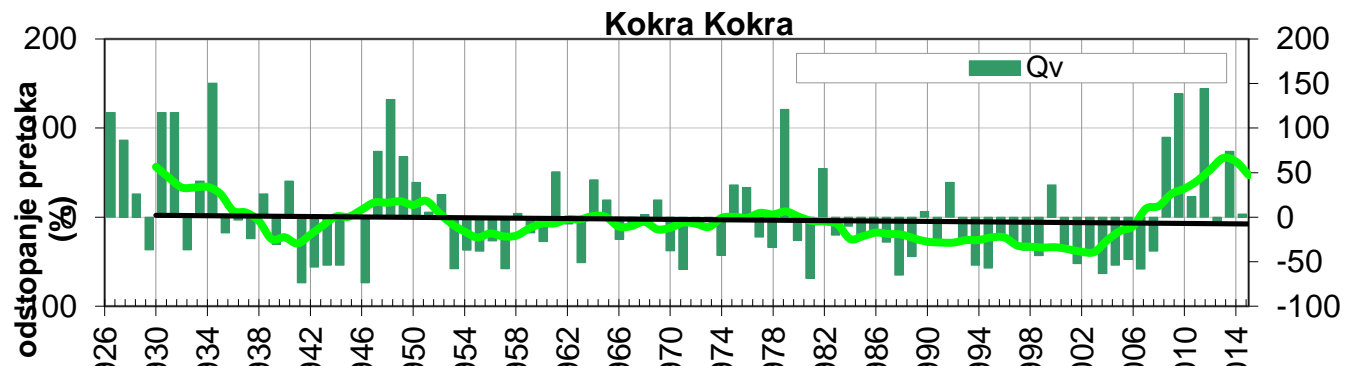


River trends



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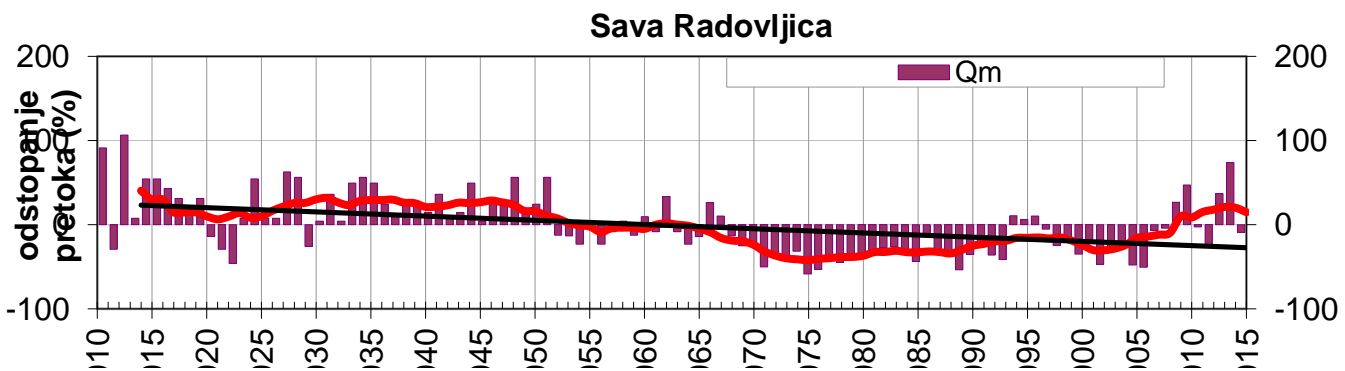
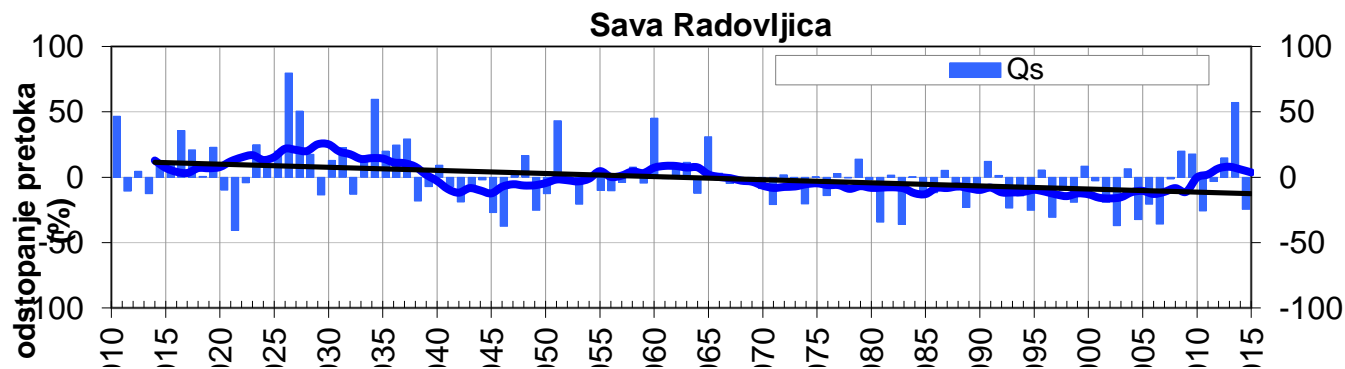
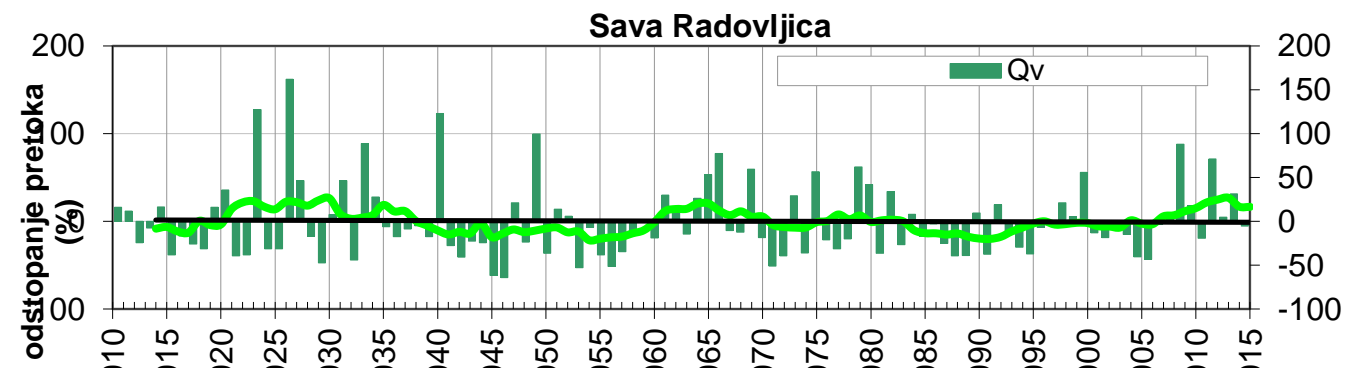
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River trends



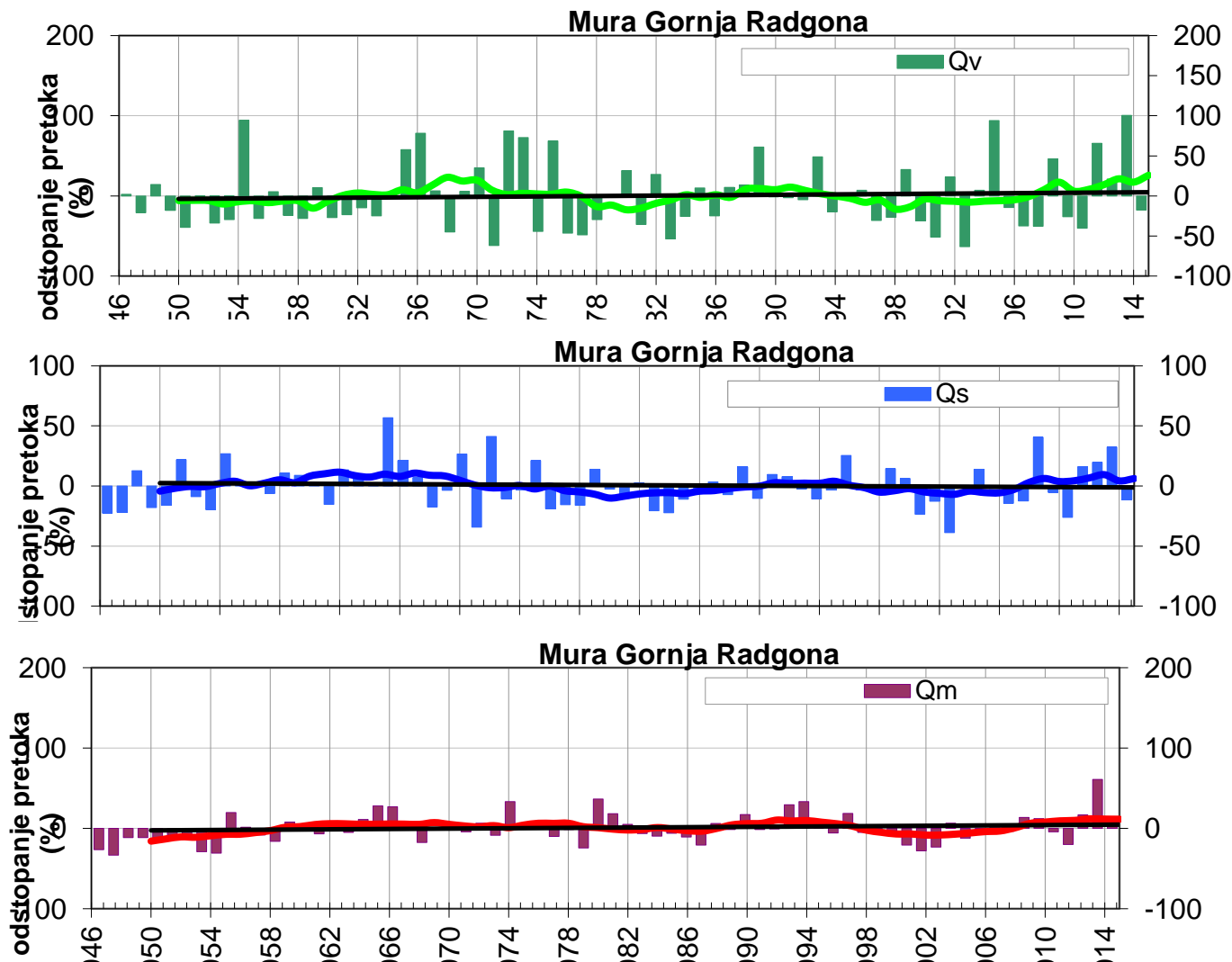
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River trends



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Trends



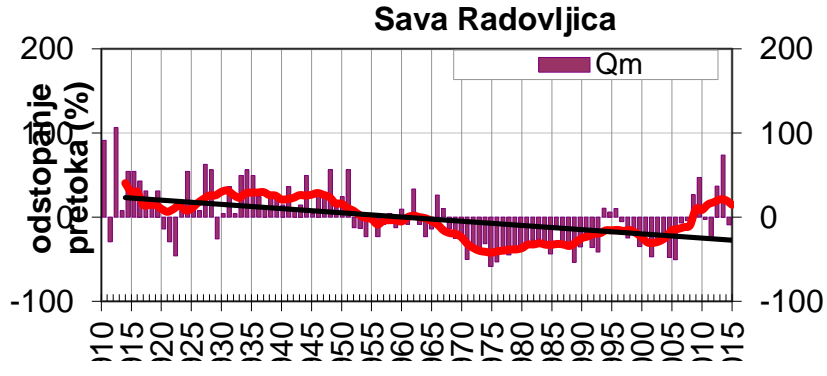
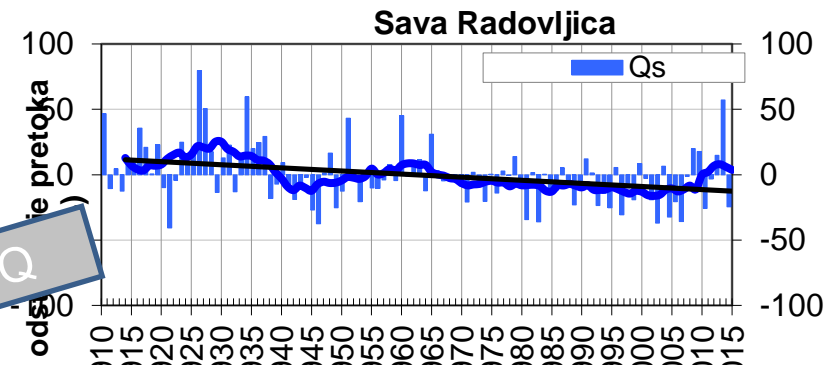
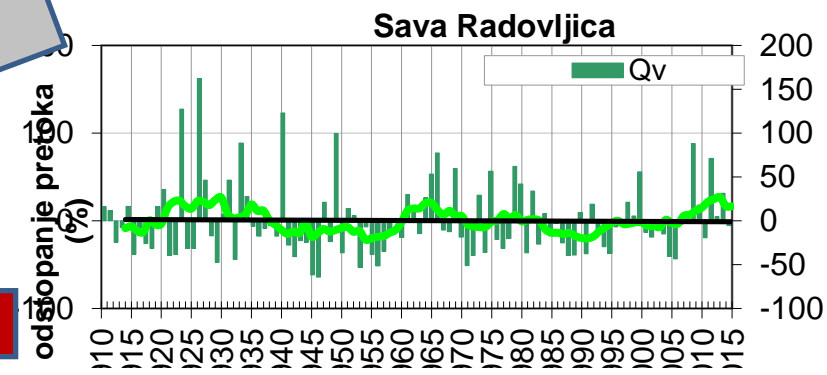
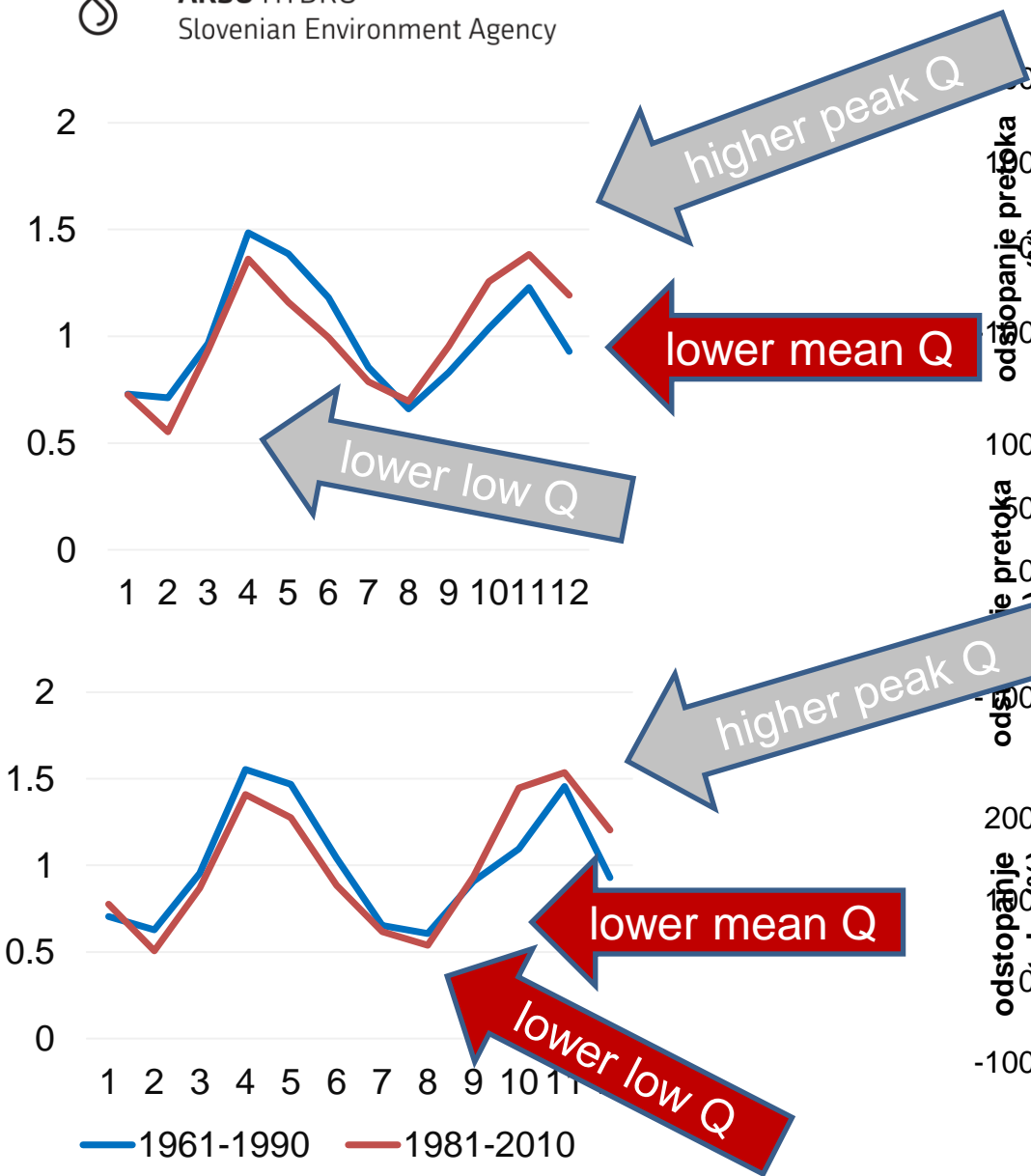
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- trends of high discharges very scarce
- mean discharges declining
- low discharges declining in general

trends + regimes

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thanks...

peter.frantar@gov.si

florjana.ulaga@gov.si