

ROLE OF THE TEMPERATURE AND PRECIPITATION ACTIVE PERIODS FOR ASSESSMENT OF CLIMATE TRENDAL INFLUENCE ON SCOTS PINE

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Aim and tasks of research

AIM

- elaboration of methodology of impact structure of temperature and precipitation on radial increment of Scots pine *Pinus sylvestris* L.

TASKS:

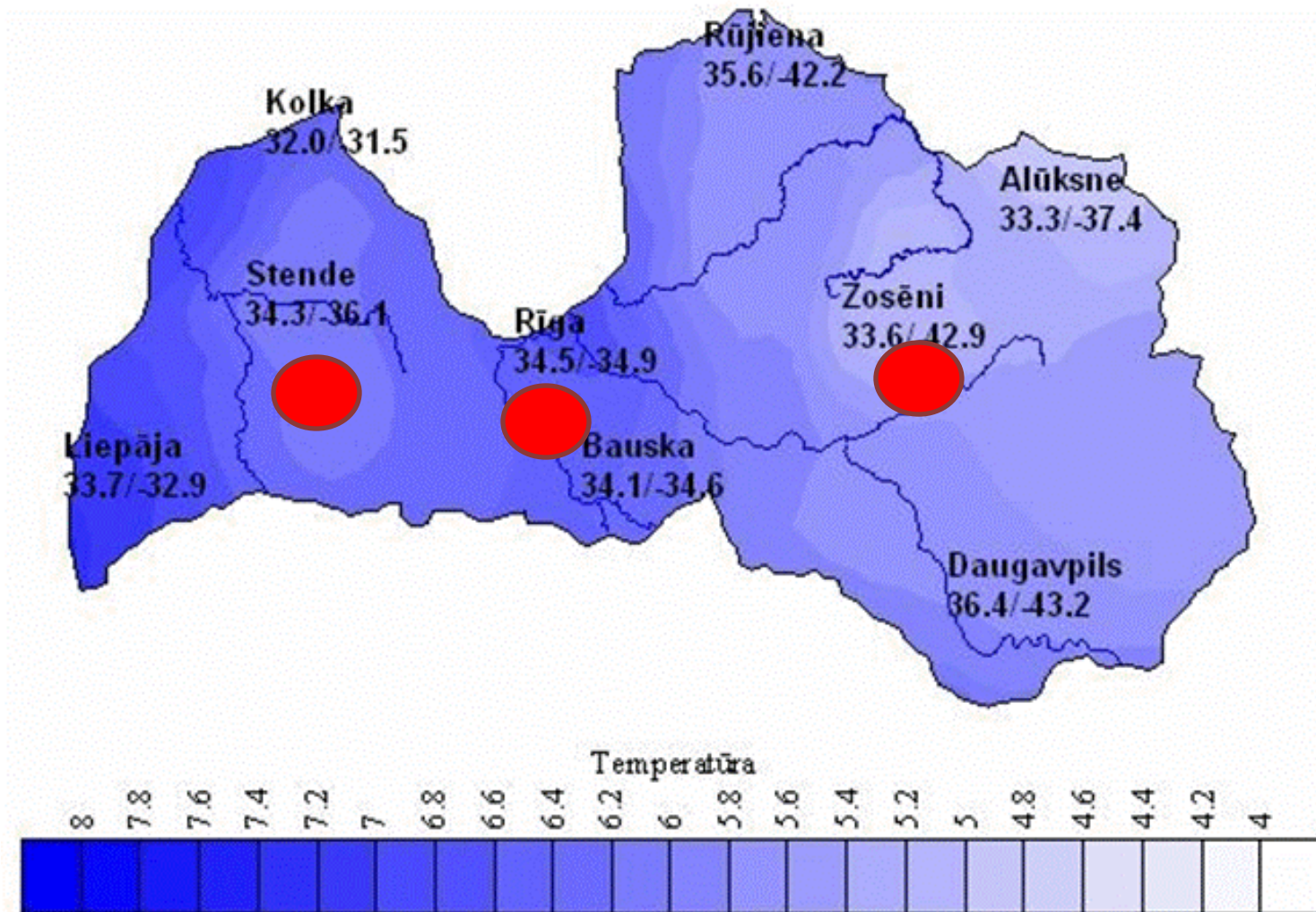
- to clarify if annual temperature (maximal and minimal) change initiate response reaction of annual tree-ring width;
- if radial increment follow the temperature change, is there any connection between it and precipitation level

Possibilities of provement:

- a) dirrect relation of metheorogical factors and tree-ring width (regression analysis);
- b) tree active growth period trendal shift

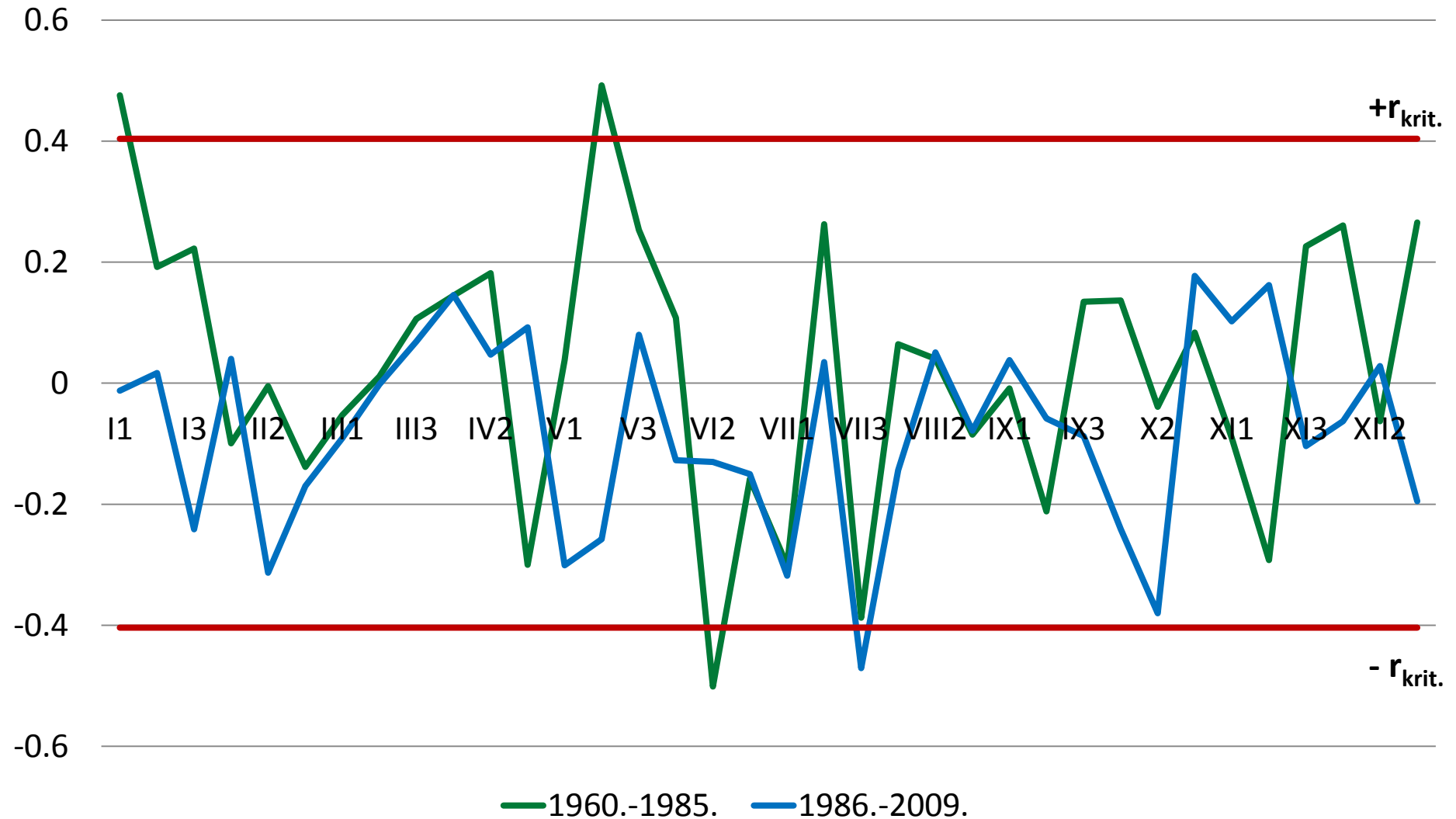
Methodology of research (1)

Annual **mean** temperature and absolute **min** and **max** temperatures and location of sample plots



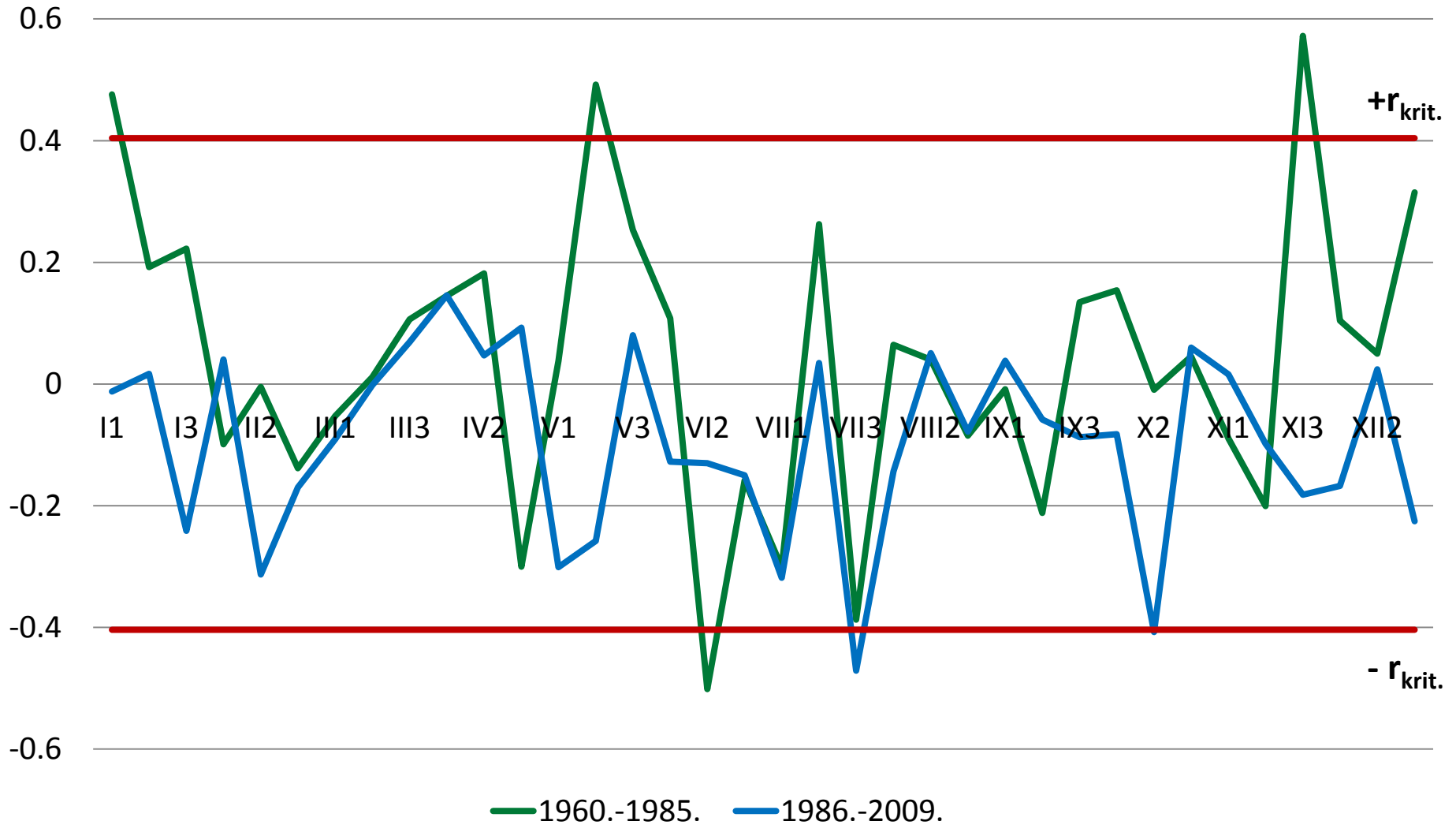
Maximal temperature

Active periods of current year



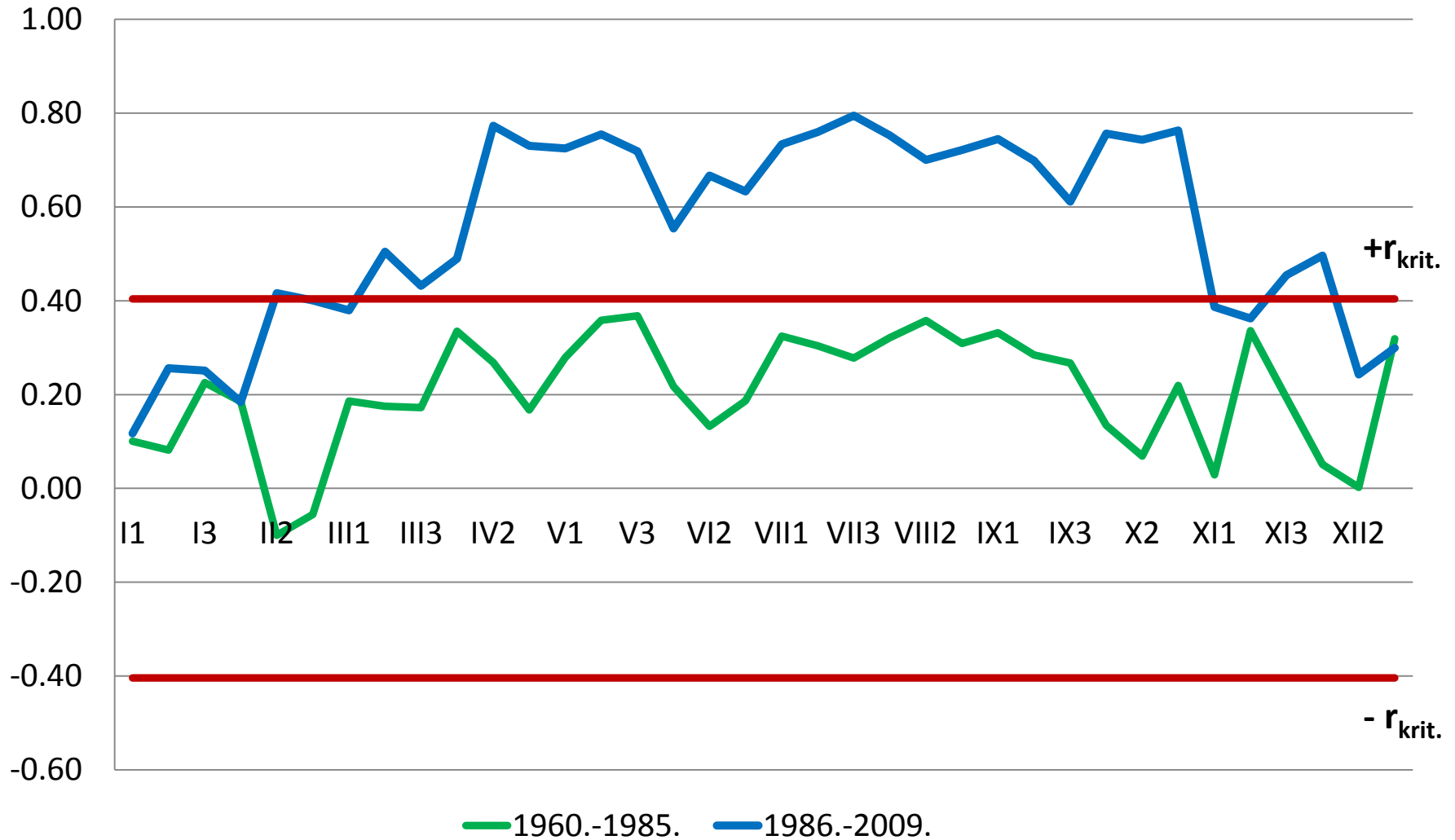
Maximal temperature

Active periods of previous year (biological inertia 1 year)



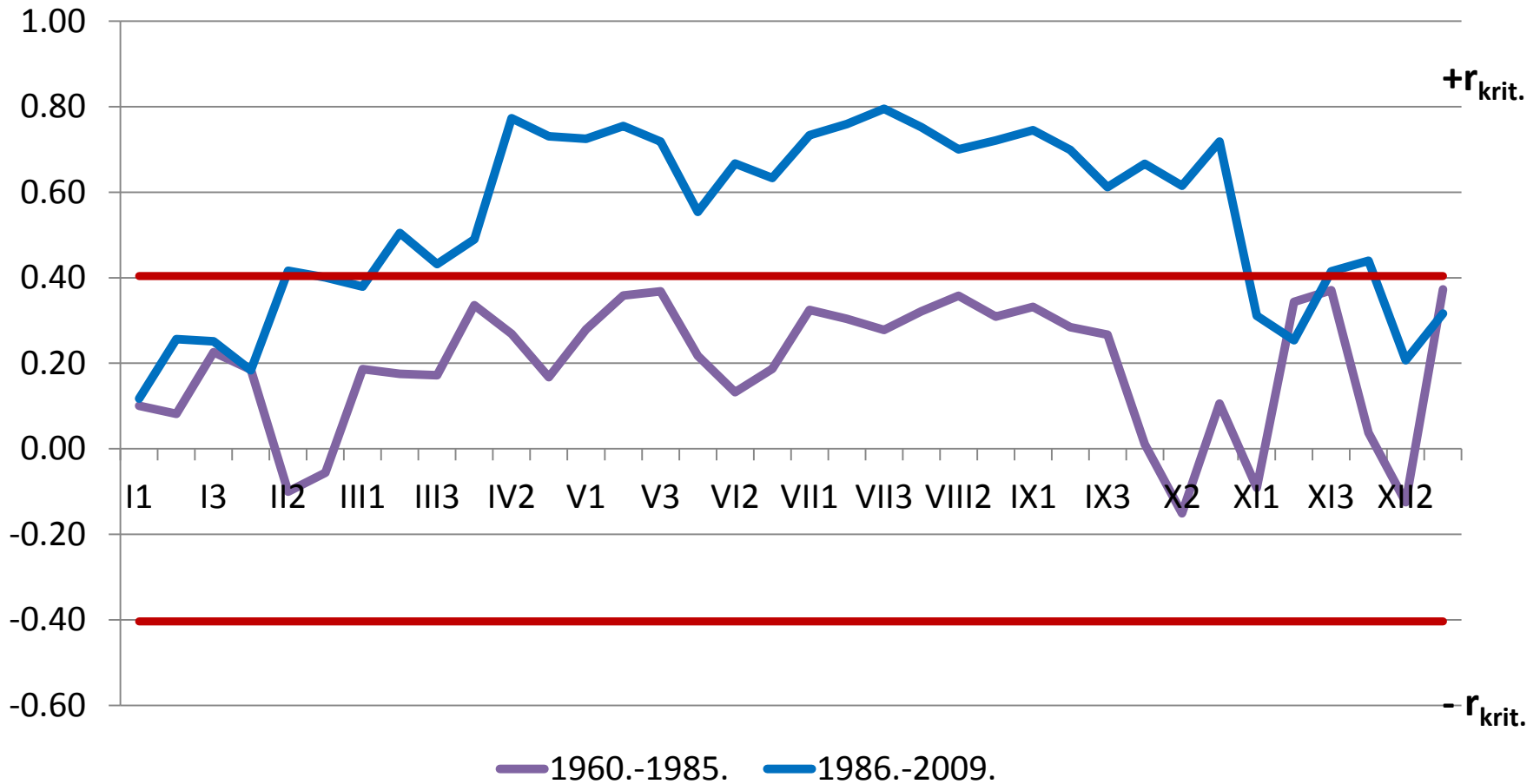
Minimal temperature

Active periods of current year



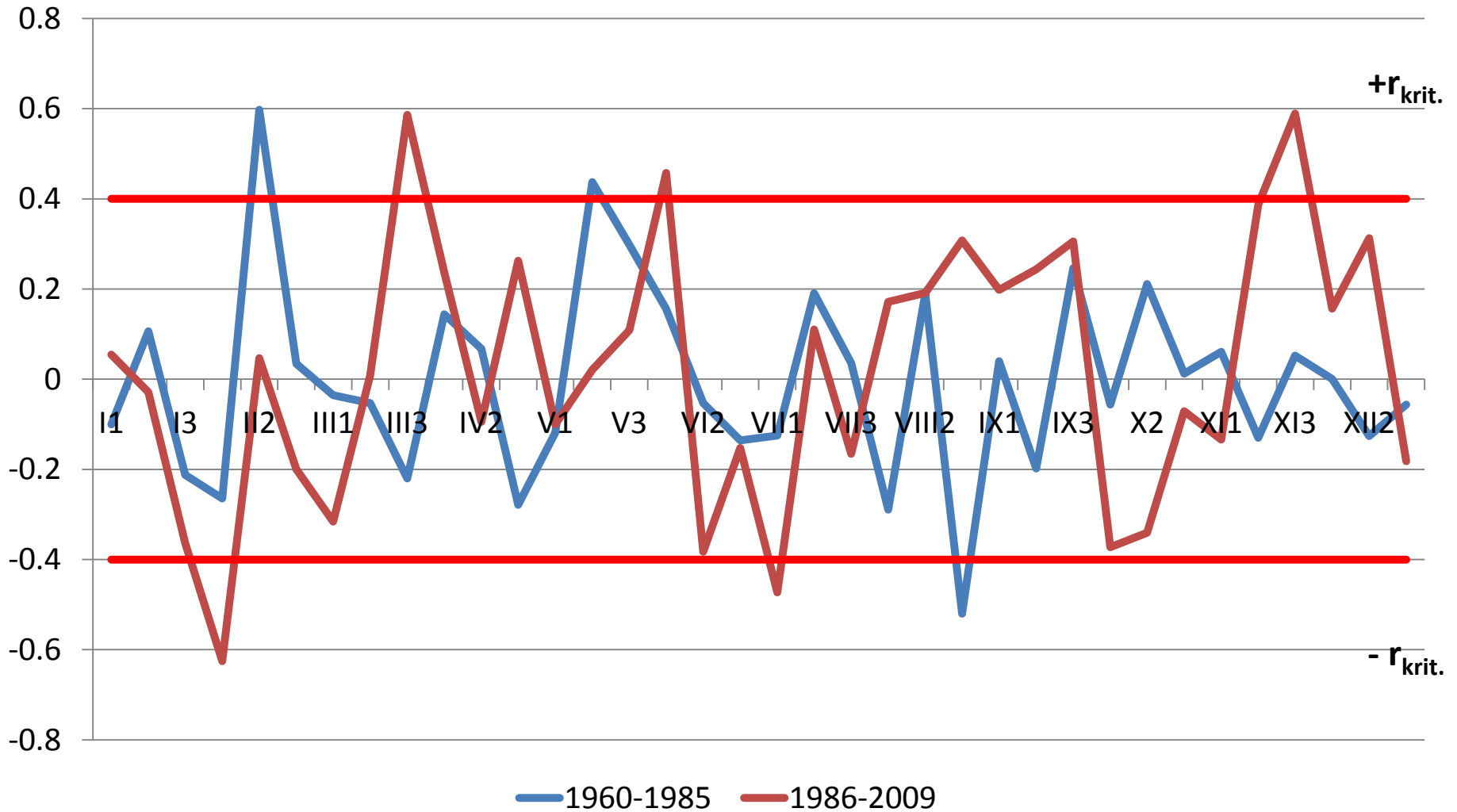
Minimal temperature

Active periods of previous year (biological inertia 1 year)



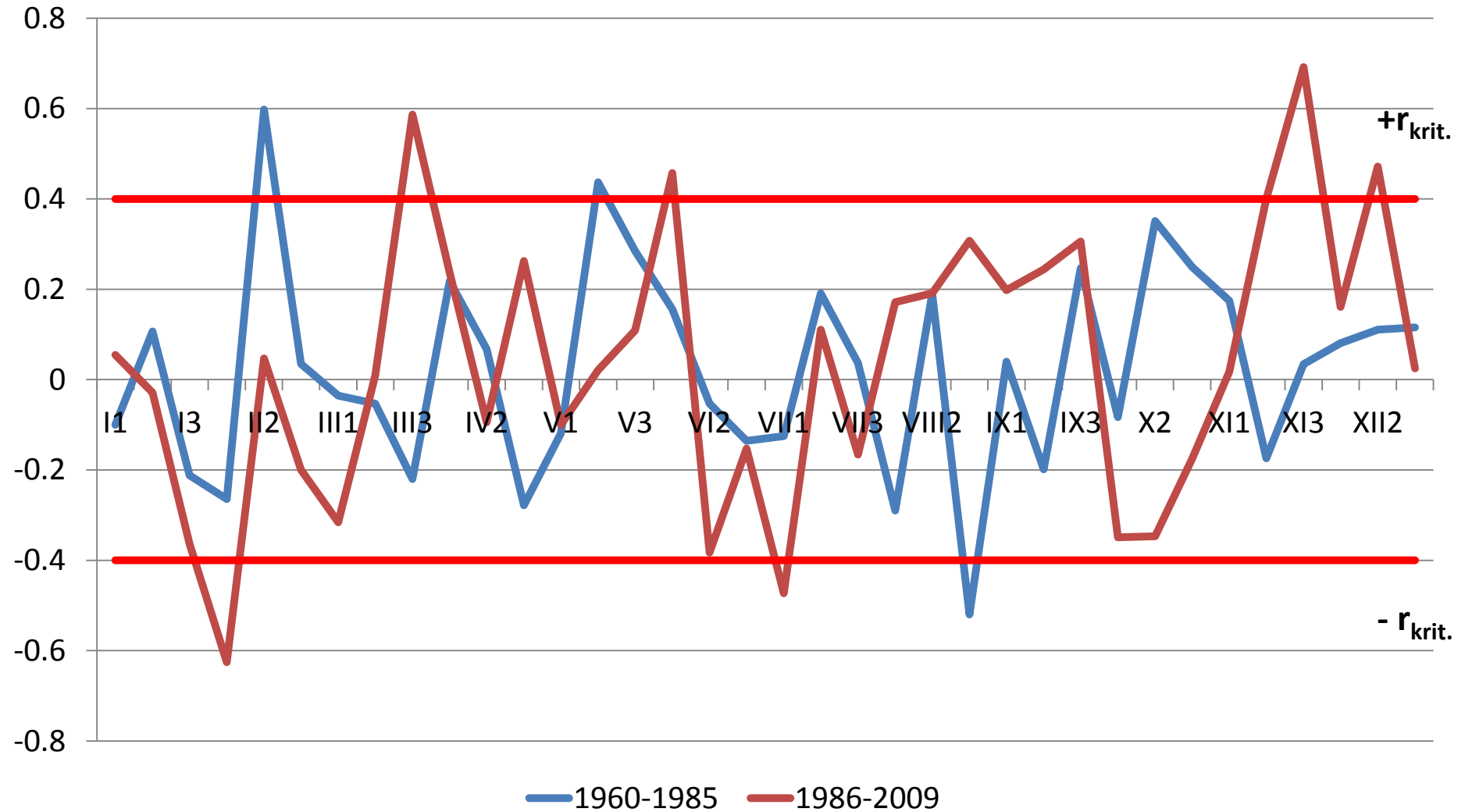
Precipitation

Active periods of current year



Precipitation

Active periods of previous year (biological inertia 1 year)



Acknowledgements

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THANK YOU!



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