



Application of RCP scenarios in assessment of climate change
impact on extreme events:
Experiences from Iran

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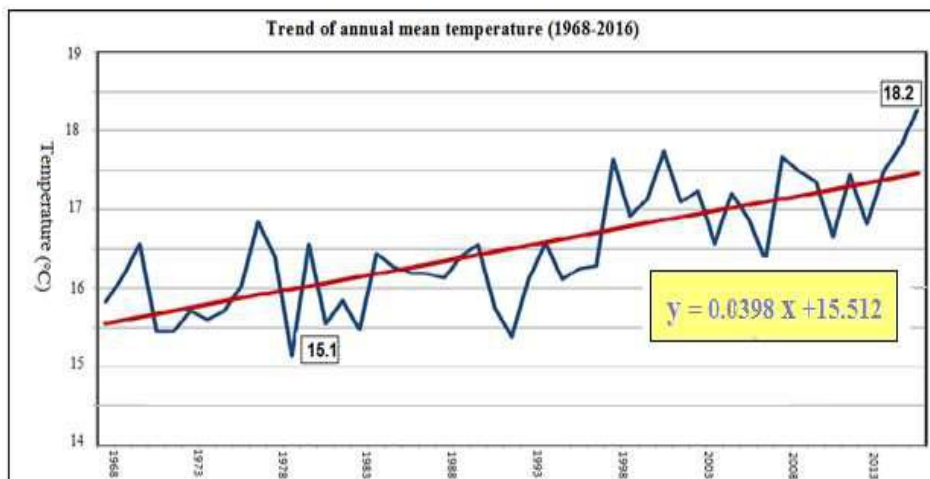
University of Tehran, Iran

Iman Babaeian

Sajjad Asgari

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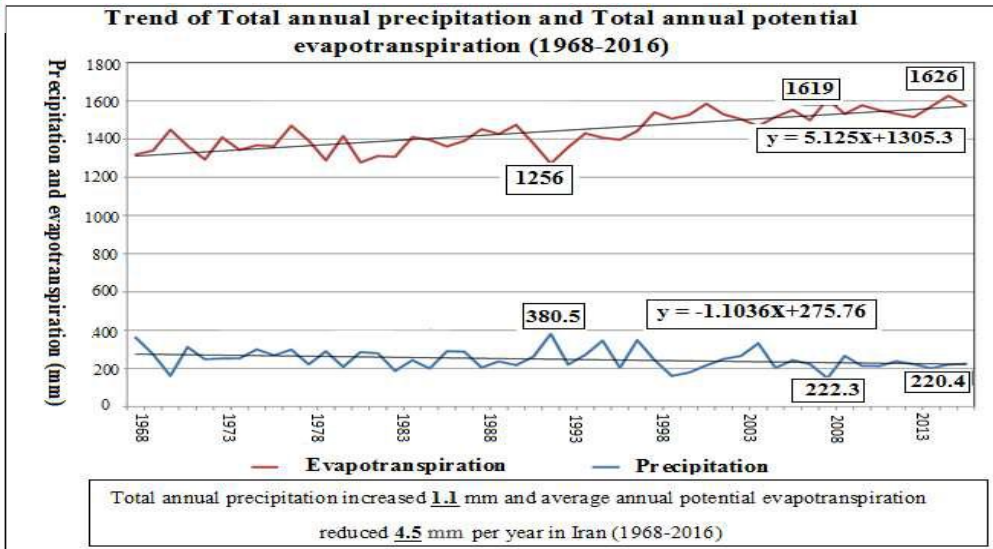
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The annual mean temperature of the country showed an increasing trend of 0.4 °C per decade, during 1968-2016

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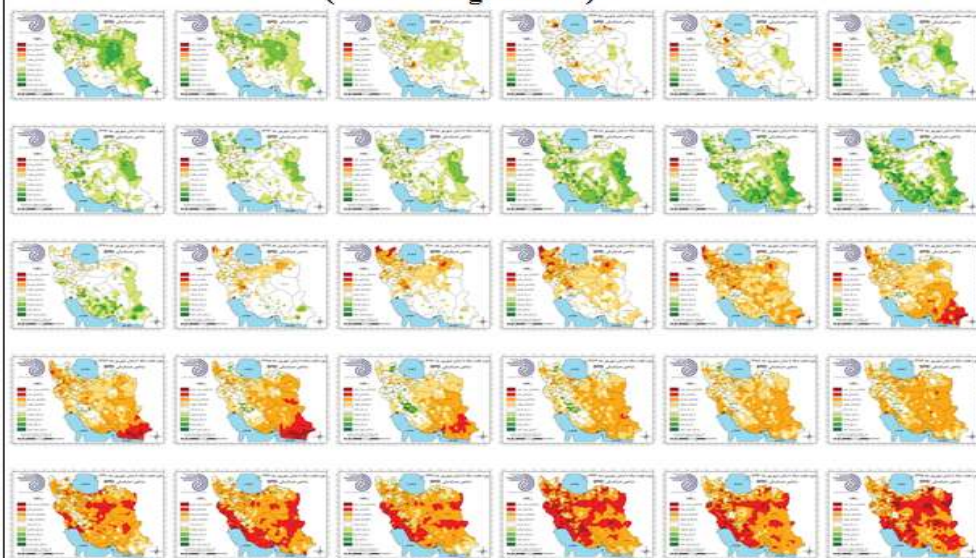
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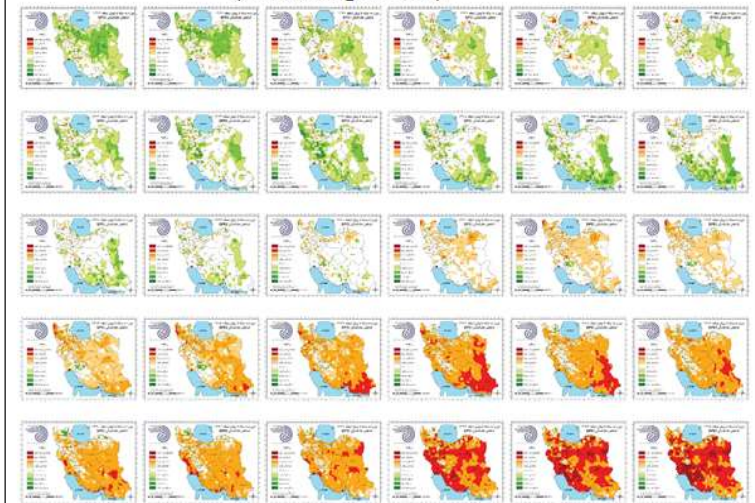
Seven year period of drought in Iran (1968-2016) (SPEI drought index)



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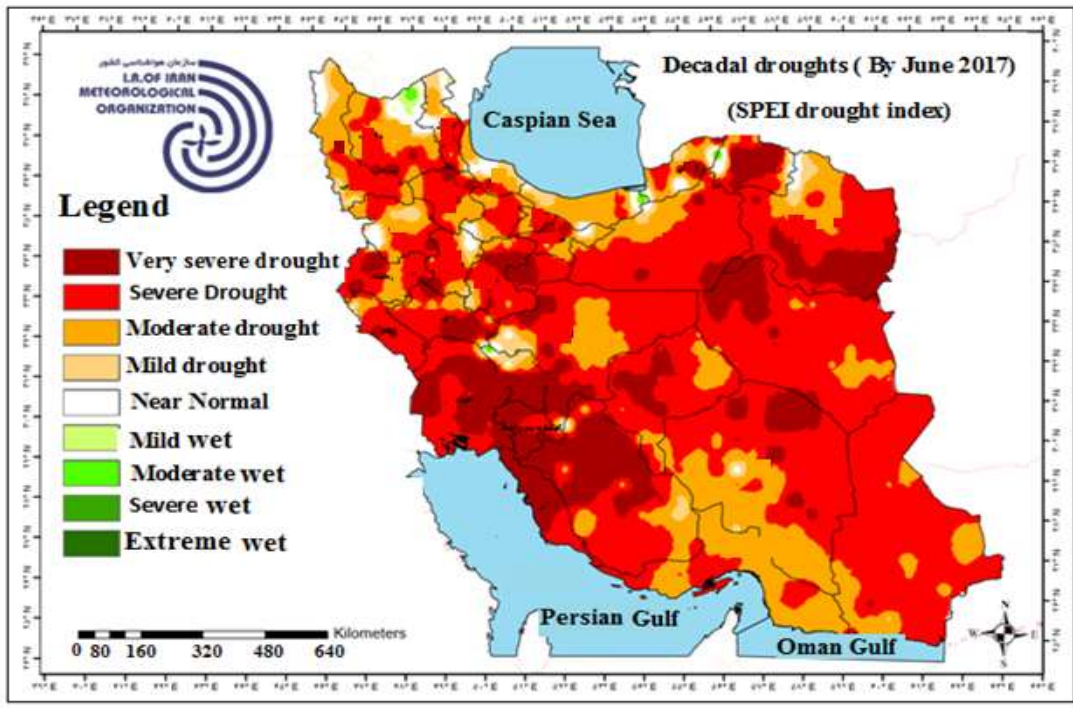
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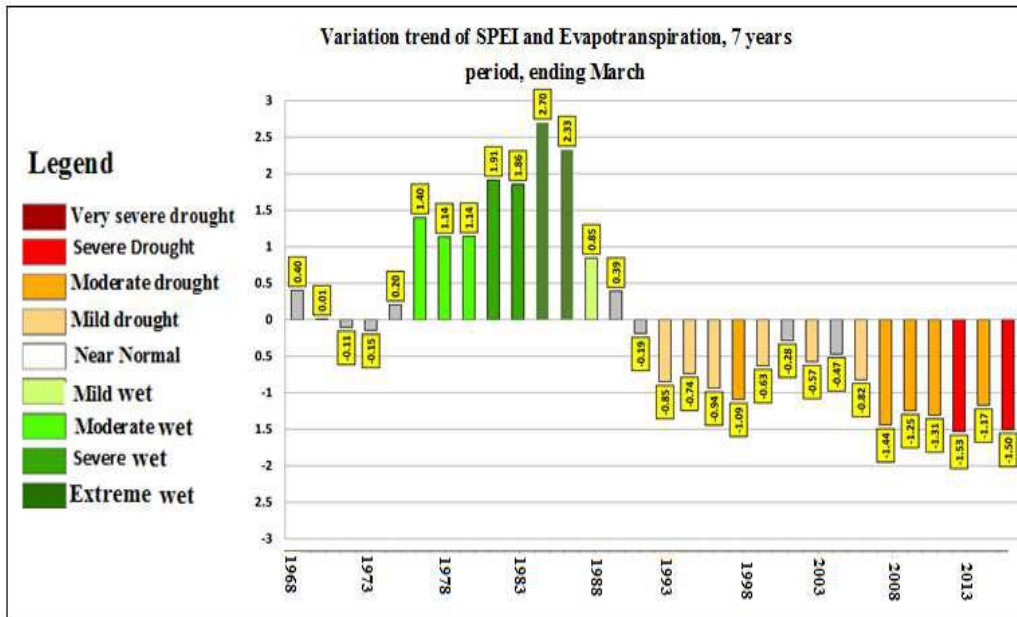
Decadal droughts in Iran in Iran
(SPEI drought index)



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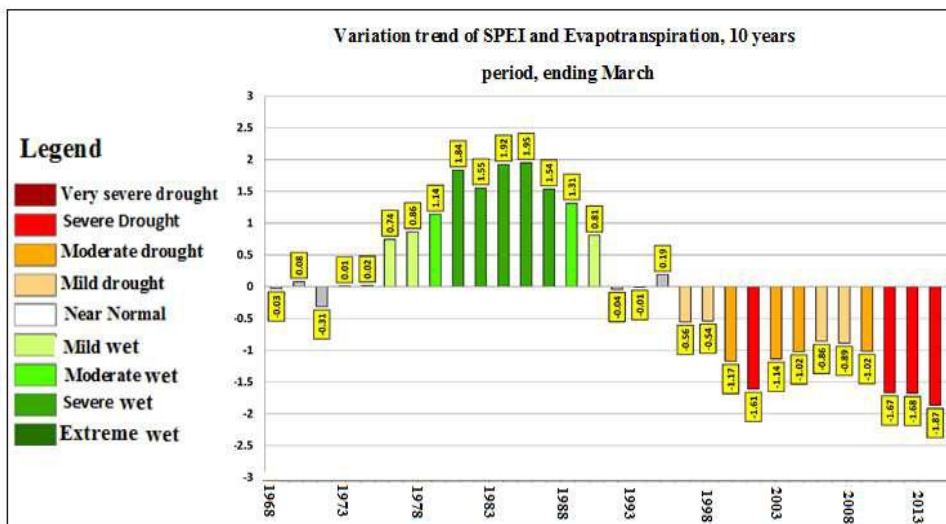
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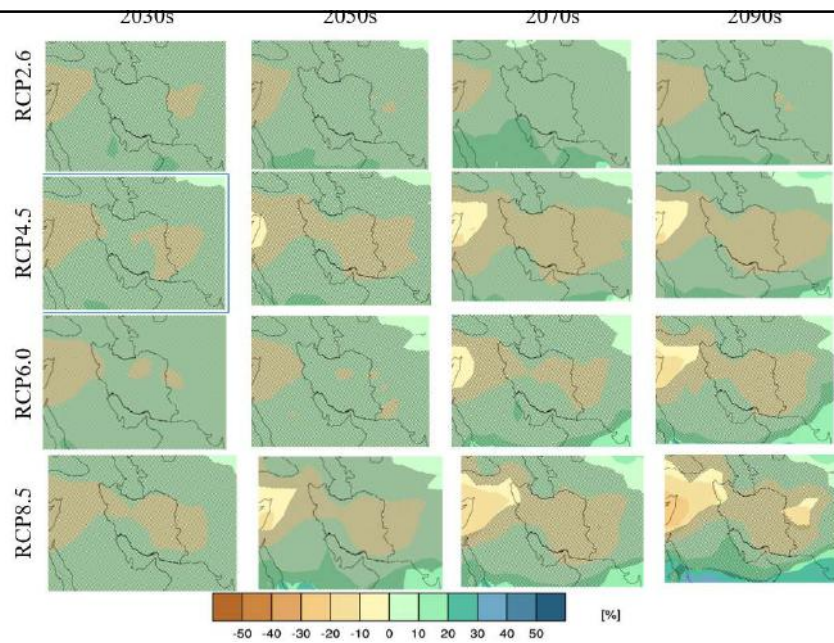
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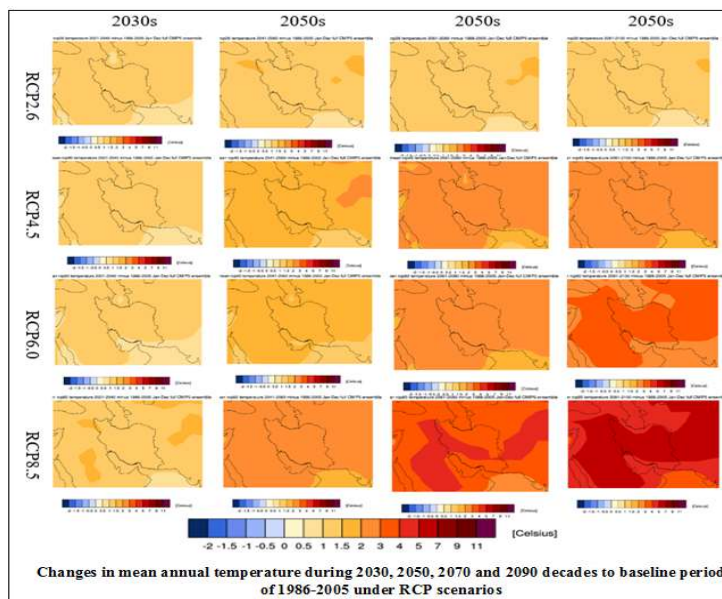
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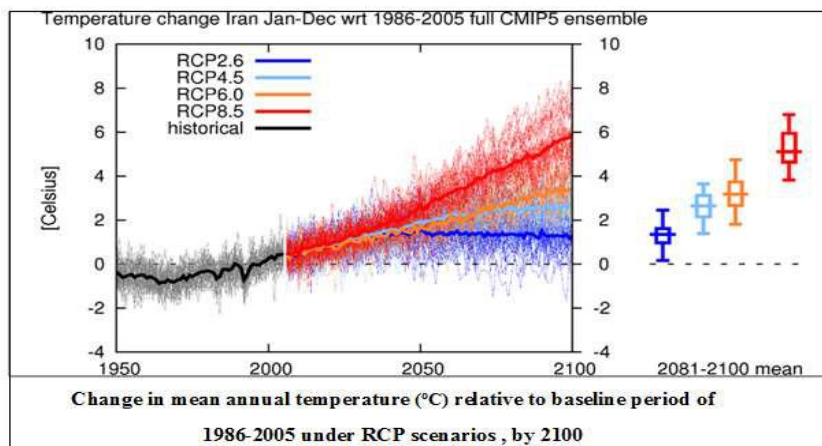


Projected variations of rainfall comparing to baseline period 1986-2005 under different scenarios

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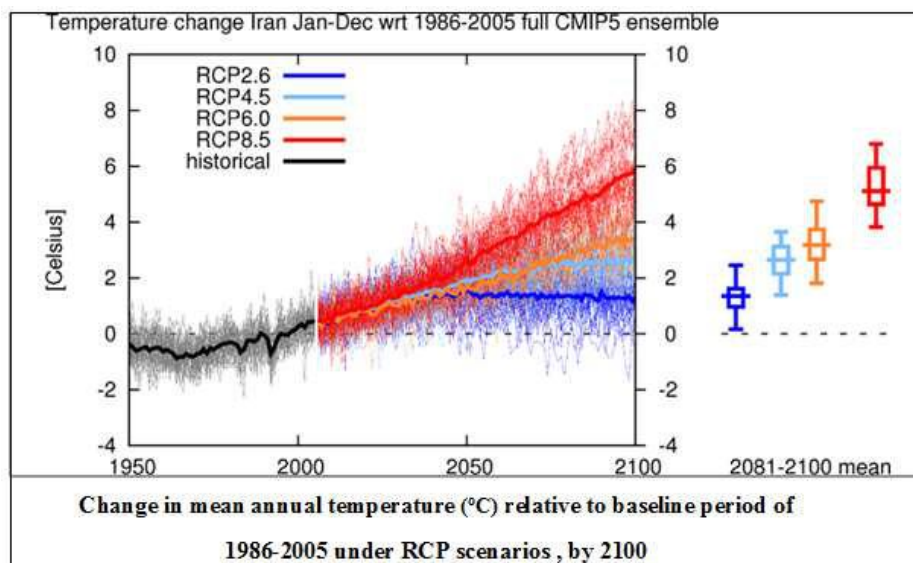
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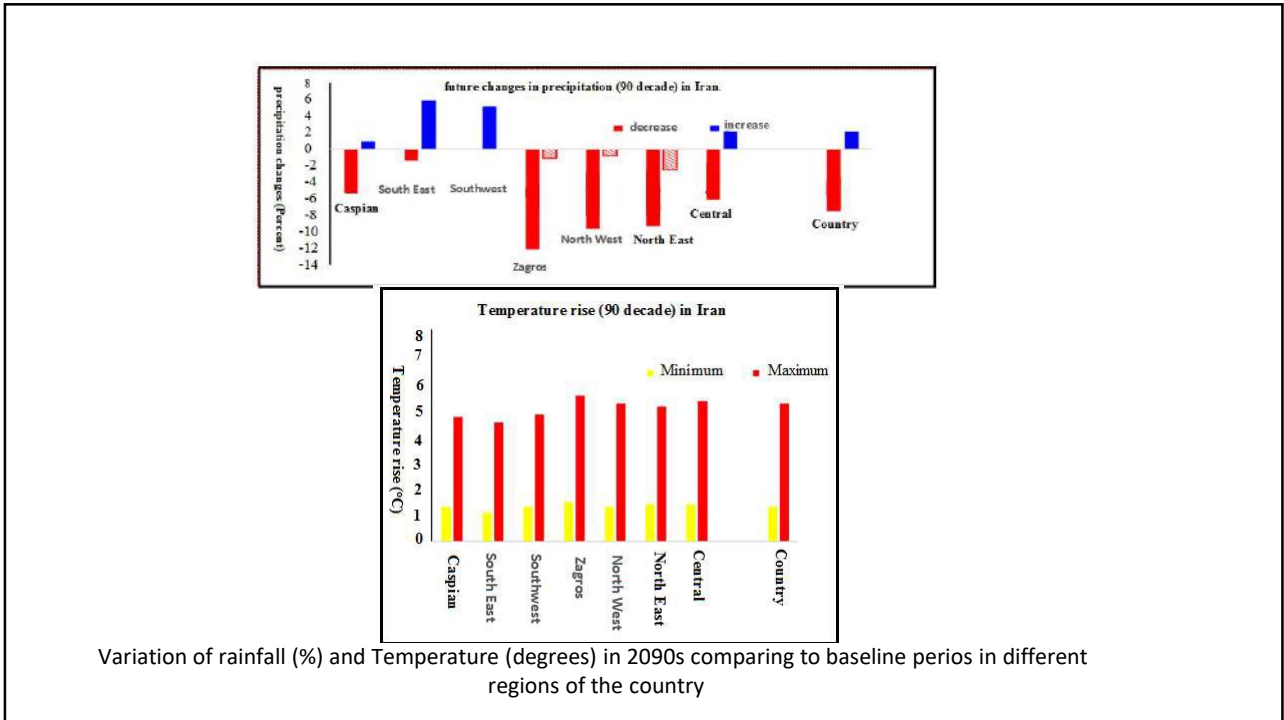
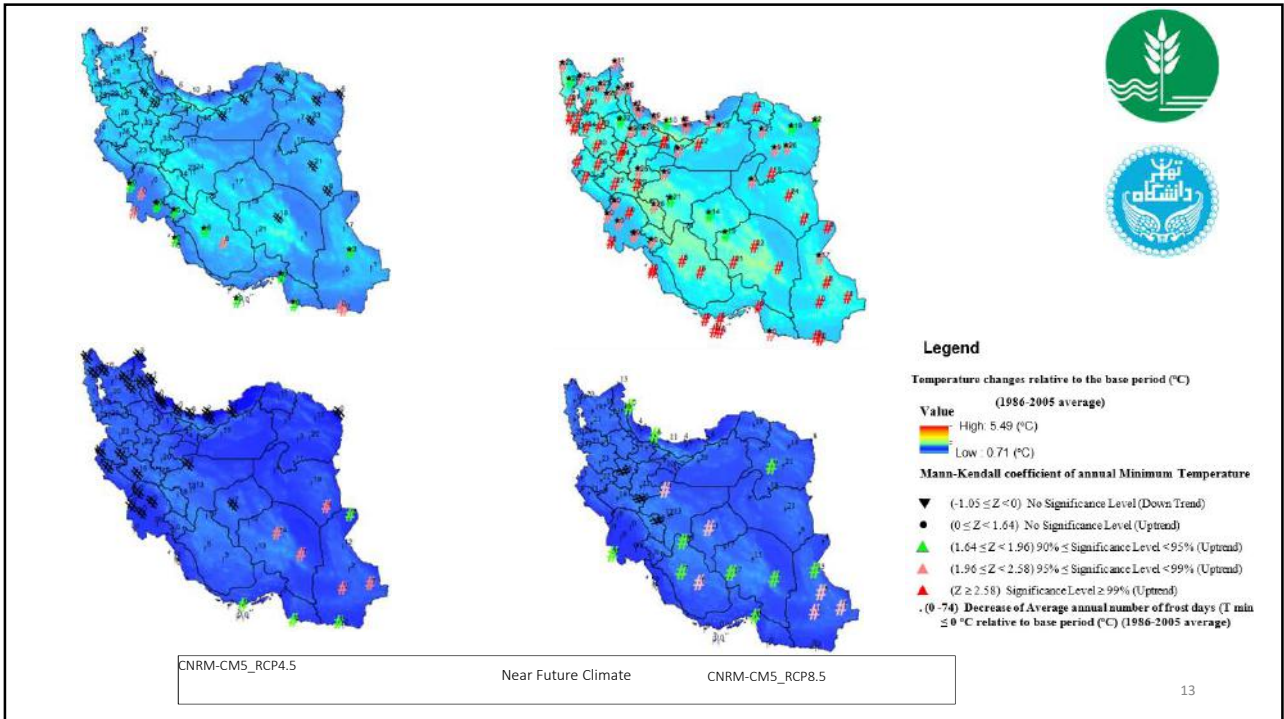
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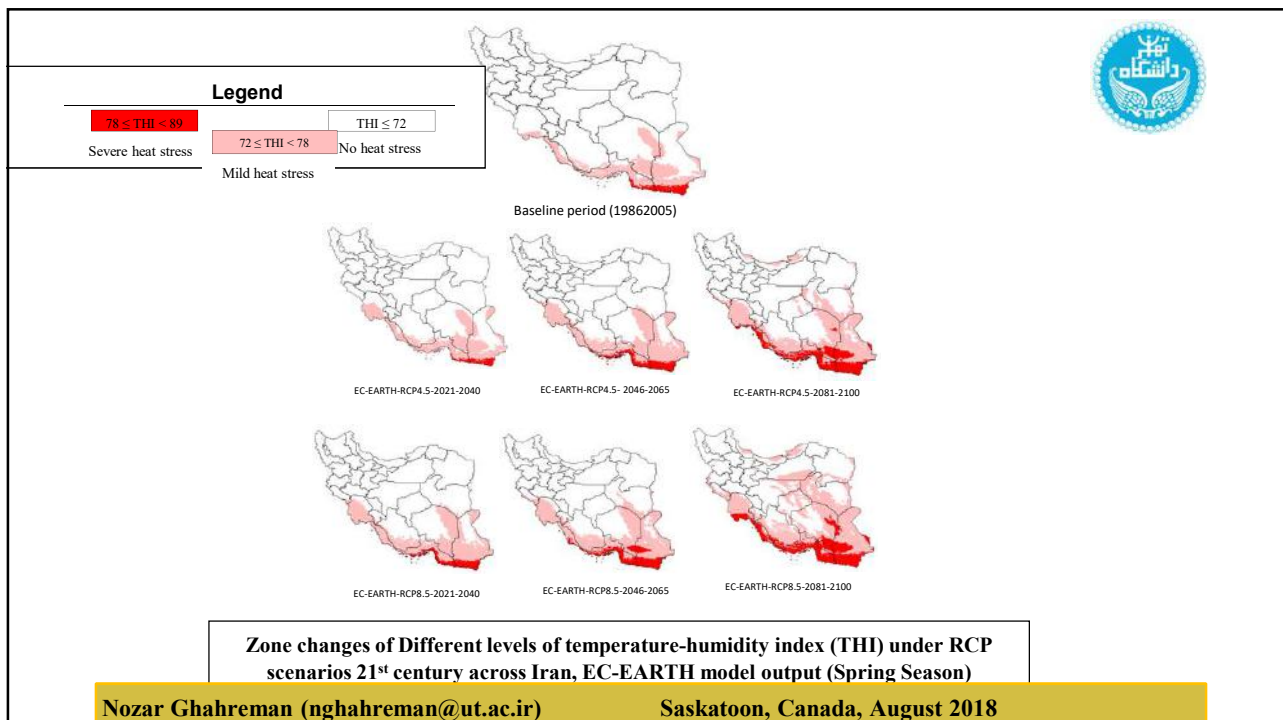
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Temperature-humidity index (THI)

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Zone changes of Different levels of temperature-humidity index (THI) under RCP scenarios 21st century across Iran, EC-EARTH model output (Summer Season)

Average Summer -1986-

