

Trausti Jónsson

### How about your temperature-trend preferences?

NMM 31 2018-06-19

17/06/2018

Reykjavík June 2018

# Trends have no prognostic value

[Processes which influence them might, however]

7/06/201

# There are about 220 years of temperature measurements in Iceland

A considerable warming has occurred [1,8°C] with an overall trend of about **0,8°C/century** 

The warming has, however, not been steady – far from it



There are large differences in the trend magnitude – dependent on the choice of reference period

7/06/20

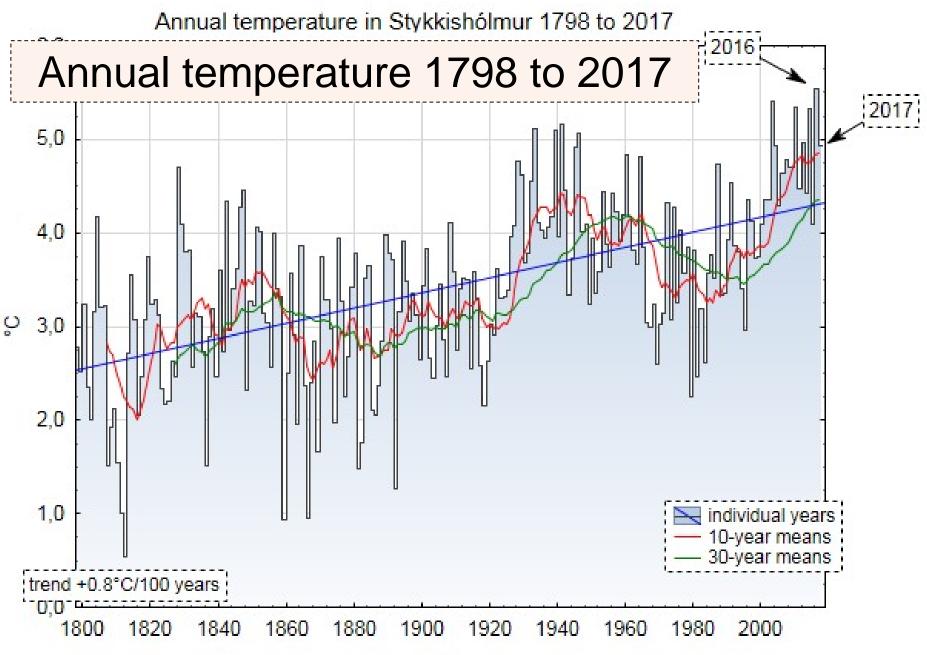


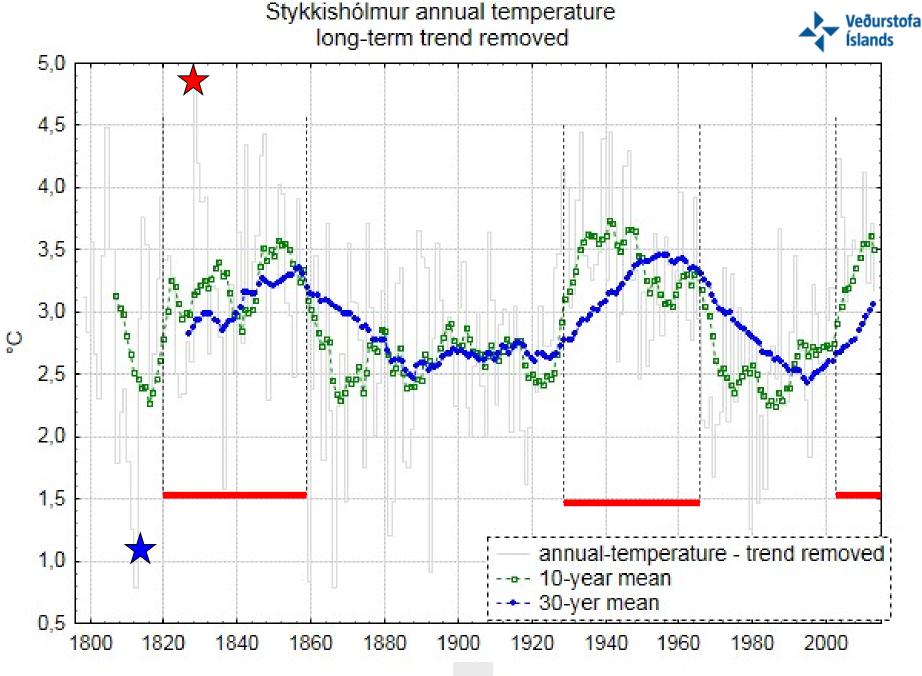
### How has the trend changed?

How long must a period be so the trend becomes "meaningful"?

Is a recent "acceleration" without precedents?







yr

diff: 19. og 20. cen. 0,76°C

#### annual range – not detrended 5,0°C

17/06/2018

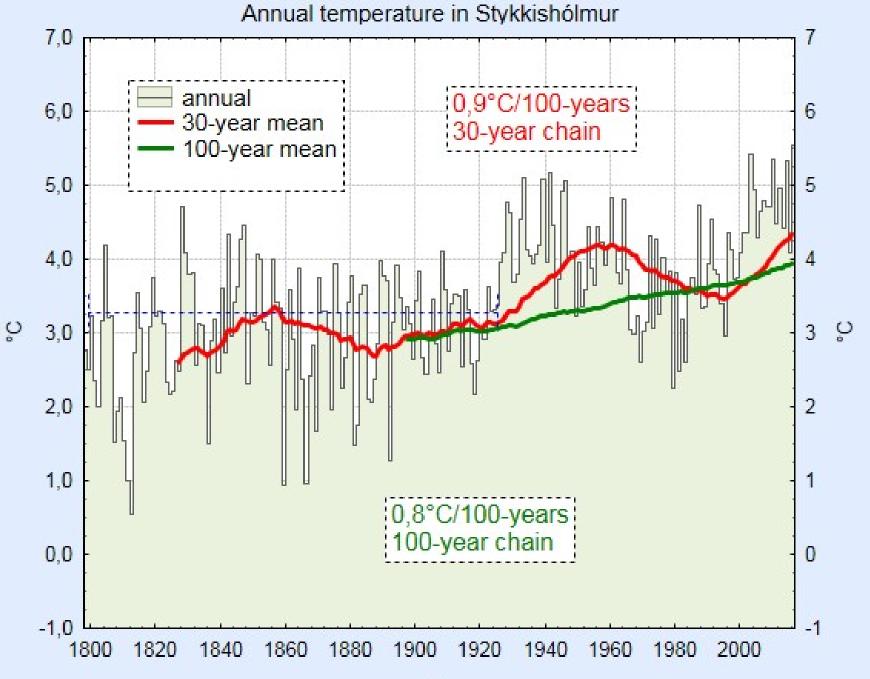
annual range – detrended 4,0°C

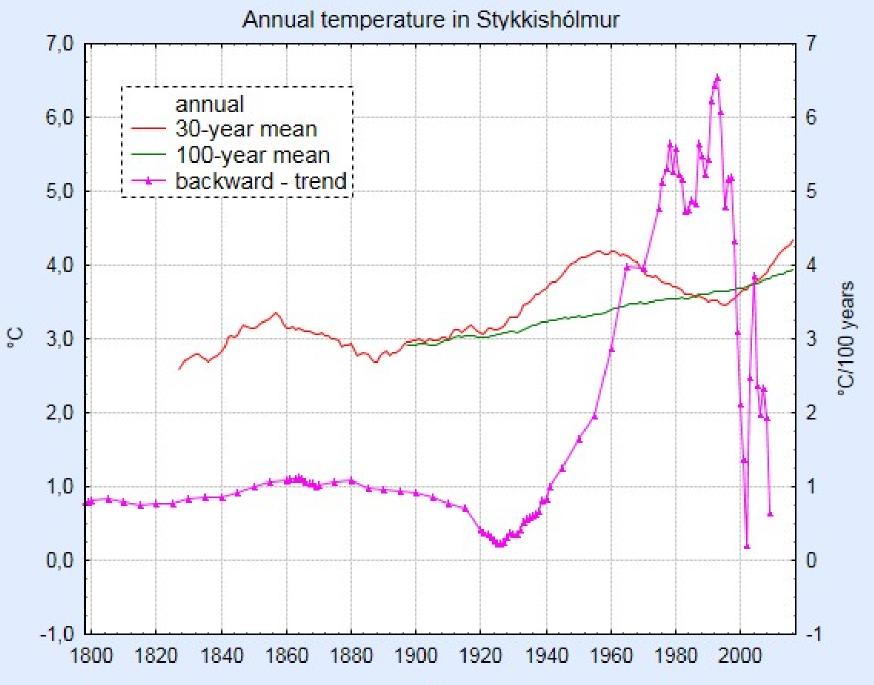
decadal range 1,5°C

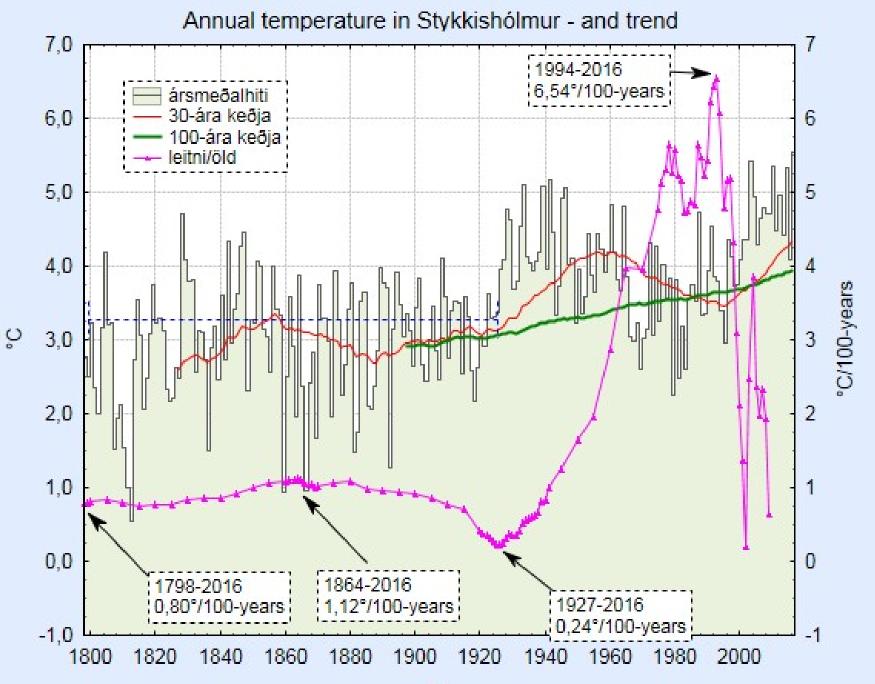
30-yr range 1,0°C

100-yr range 1,0°C ?

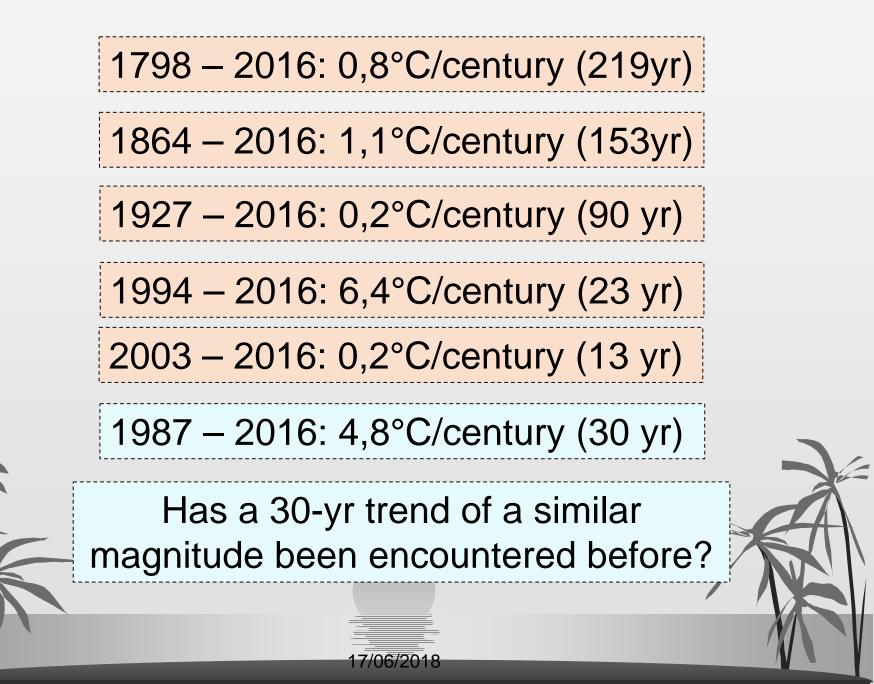








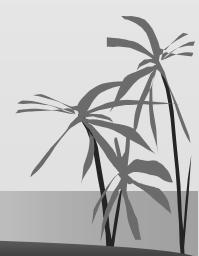
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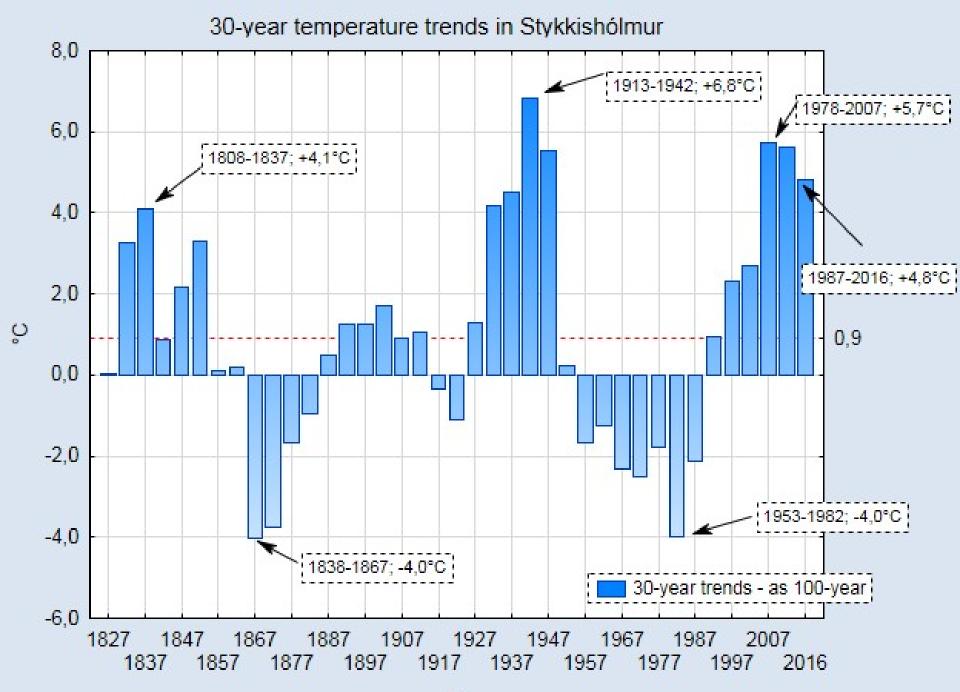


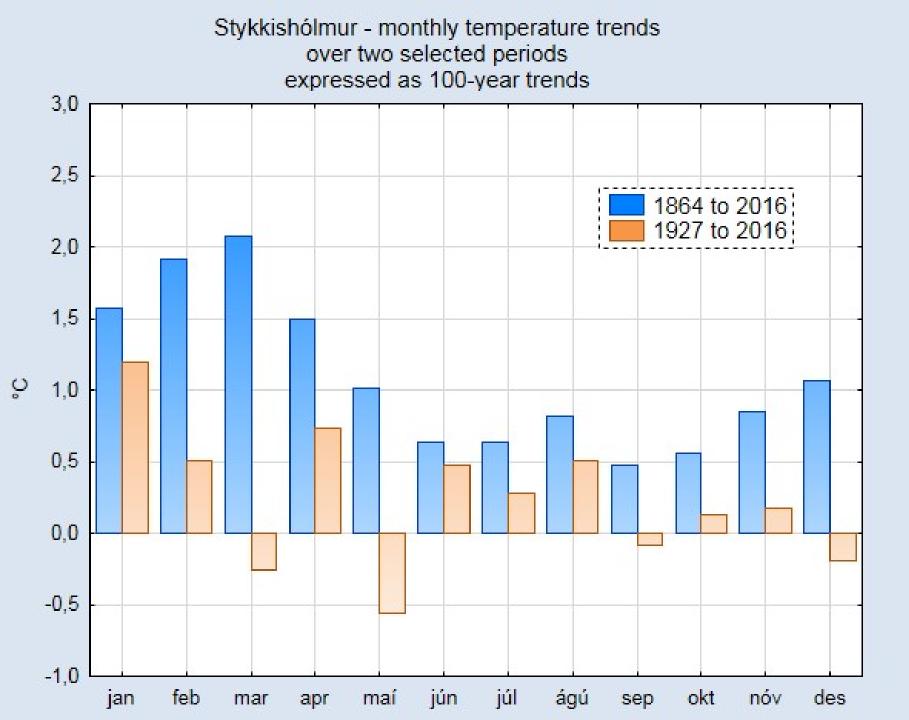
#### 1987 – 2016: 4,8°C/century (30 yr)

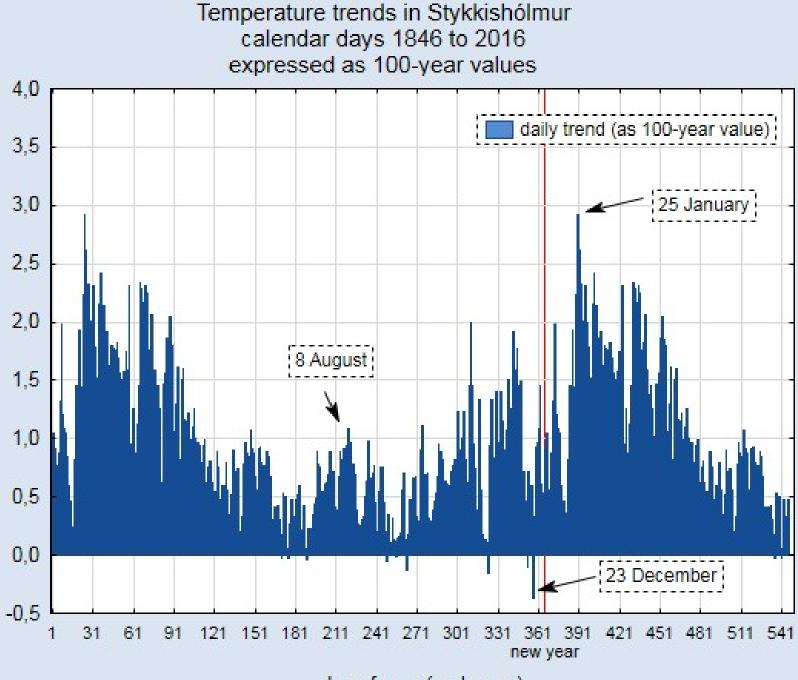
# Has a 30-yr trend of a similar magnitude been encountered before?









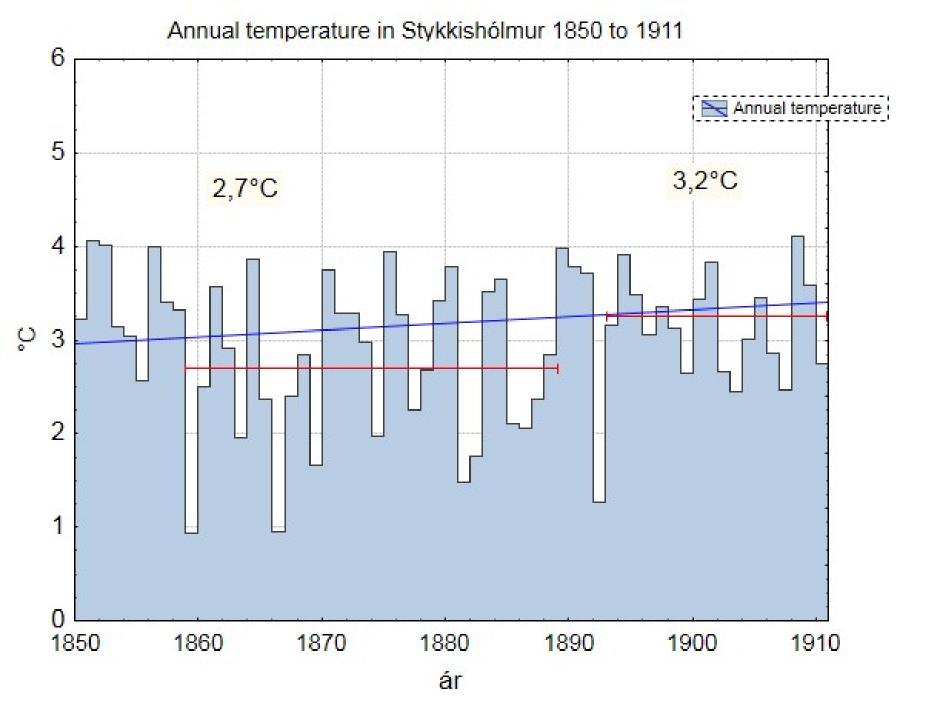


day of year (and more)

ç

## Ah! – The end





28.4.2016 1.5.2016









