

# VITiculture and CLimate Change in Croatia (VITCLIC)



**Who?**



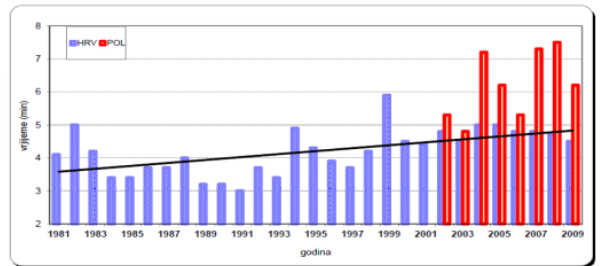
**eIZ**  
ekonomski institut, zagreb



Institute of Agriculture and Tourism

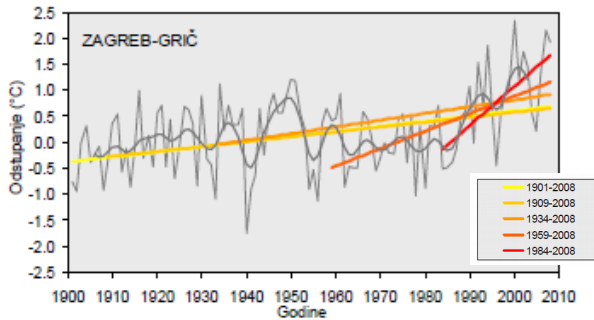


HRVATSKI CENTAR ZA POLJOPRIVREDU, HRANU I SELO

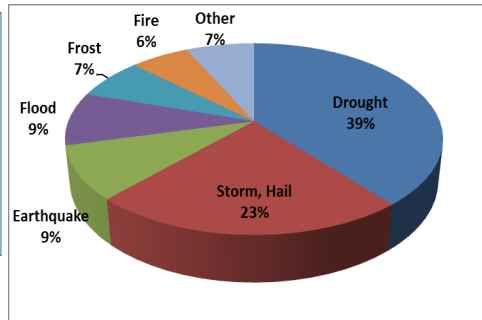


**Why?**

Average hailfall duration per year on all hail suppression stations in Croatia (stations->blue, 1981-2015 & polygon-> red, 2002-2015) (Počakal 2012.)



Time series of mean annual air temperature, related 11-year binomial moving averages, and trends for 108-, 100-, 75-, 50- and 25-year period.



Economic losses (%) caused by natural hazards in Croatia, 1981-2010.

## General aim

Analysis of the current situation in the wine-growing and making recommendations of specific measures for the adaptation to climate change.

- (i) **Analysis of the data** from the archives (1970s) of wine quality with controlled geographical origin
- (ii) **Comparison with agroclimatic indices** (e.g. Huglin, Dryness Index, Cool night Index, Growing Degree Days) on the basis of meteorological data (> 82 stations) & RCMs for the current and the future climate (CORDEX-initiative)

Installation of **66** hailpads in Istria according to lightning climatology (2008-2015), wine-growing area and by winegrowers affinity

**How?**

- (i) Testing of the effect of canopy management practice of **shoot topping and partial leaf removal**
- (ii) Setting of high-frequency meteorological system (MS)

Founded by



through



with support of

