

Svjetski meteorološki dan 2009  
Svjetski dan voda 2009

Onečišćenje zraka  
Ljudski i meteorološki čimbenici

Ivan Bešlić  
Zvezdana Bencetić Klaić



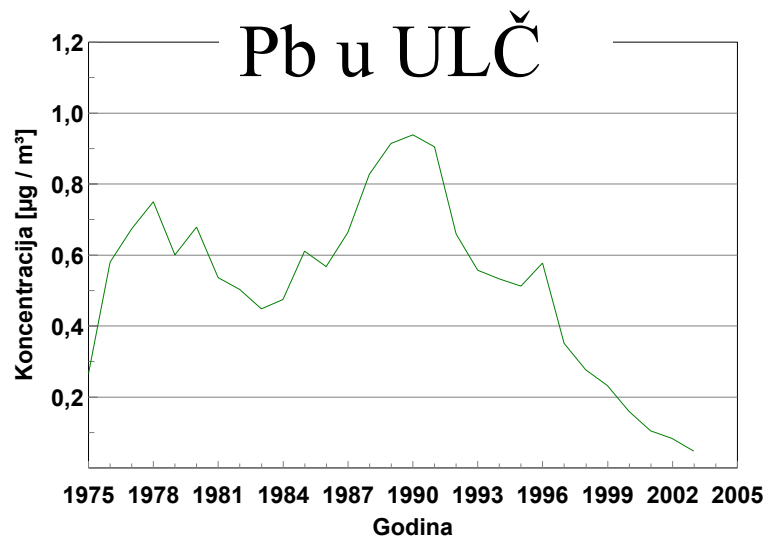
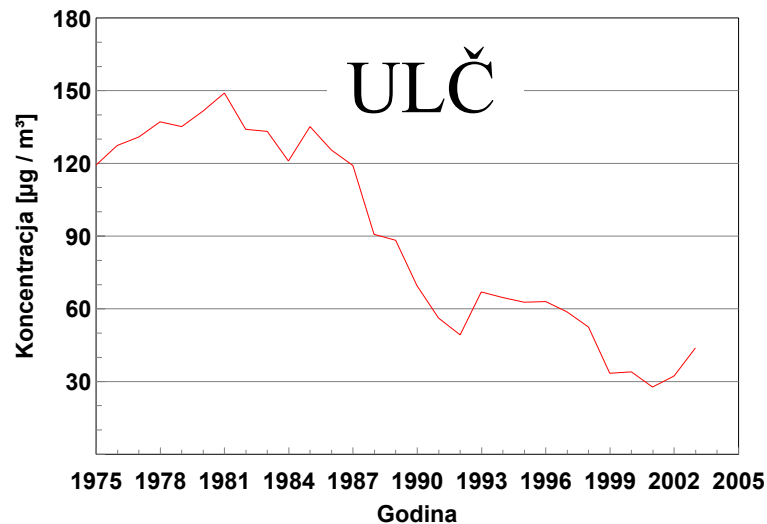
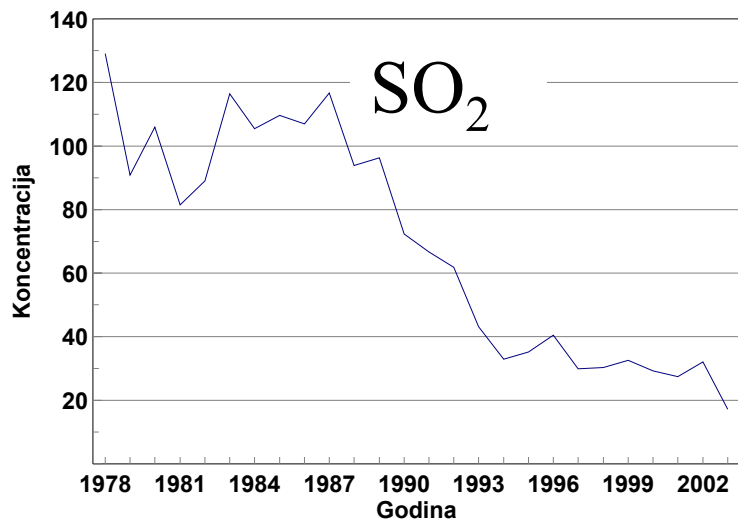
ini



## RANIJI RADOVI

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- Klaić Z, Lisac I. On the long-term acidification of precipitation collected in the NW of Croatia. *Idojaras*. 1988;92, 313-323.
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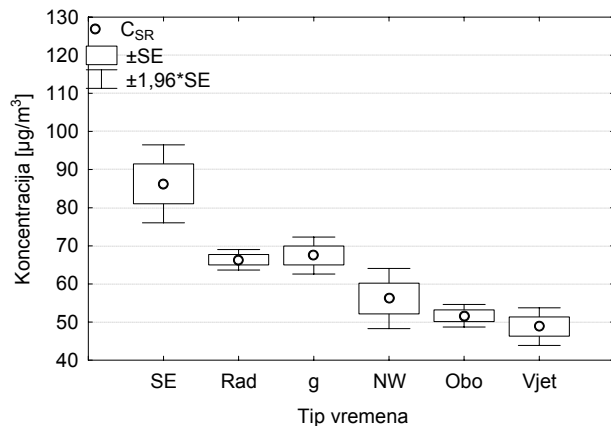
# Godišnji srednjaci



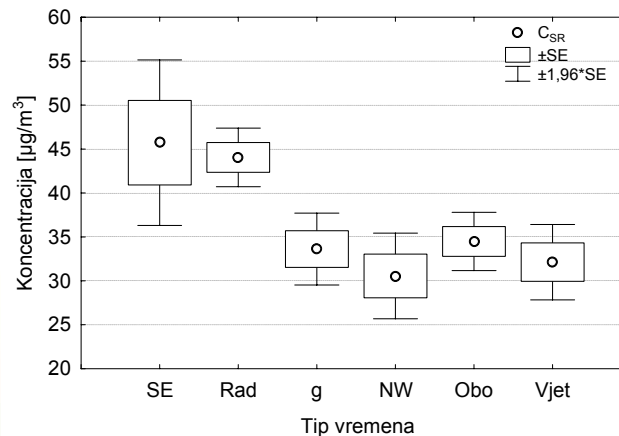
Regulativa i nove  
tehnologije

# TIPOVI VREMENA ⇒ ONEČIŠĆENJE

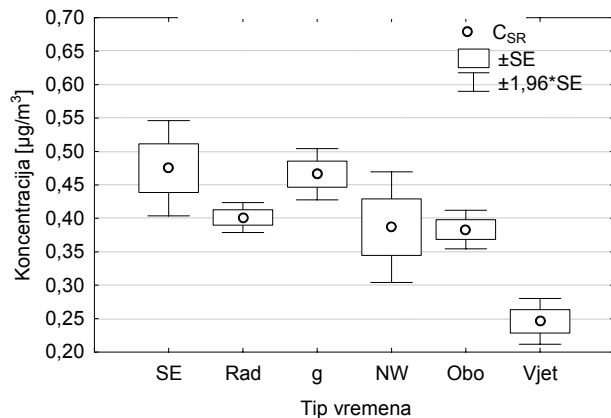
## ULČ



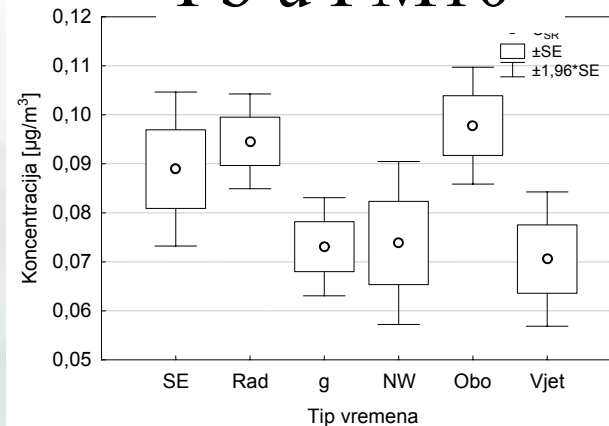
## PM10



## Pb u ULČ

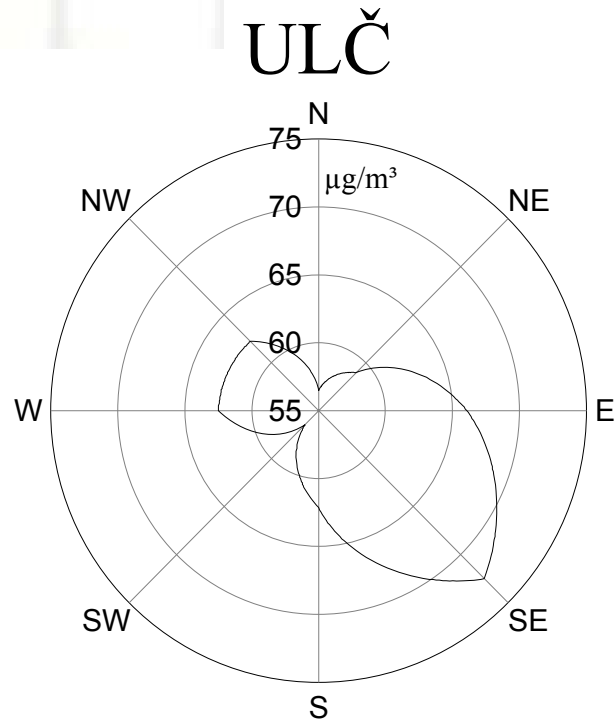


## Pb u PM10

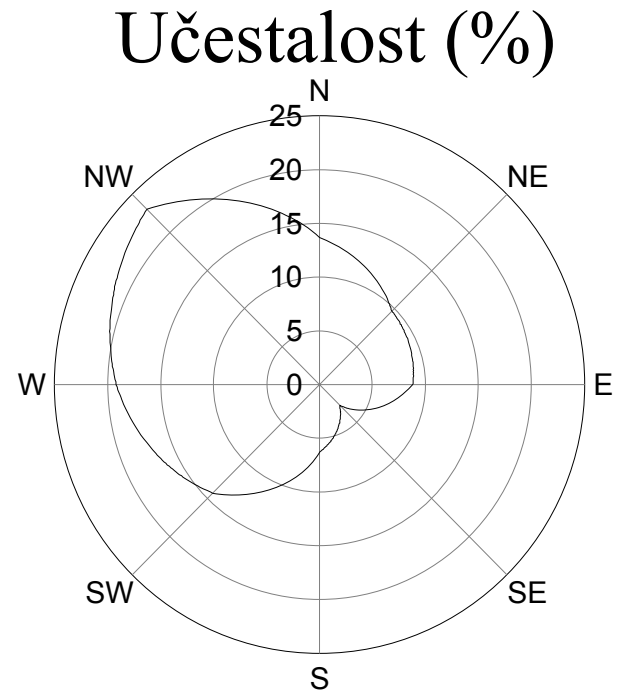


Dnevne vrijednosti

# PUTANJE $\Rightarrow$ ONEČIŠĆENJE

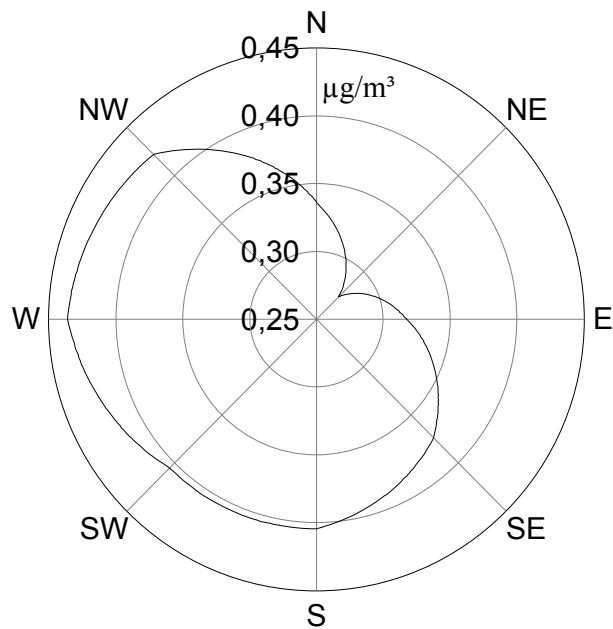


Prosječne dnevne  
koncentracije

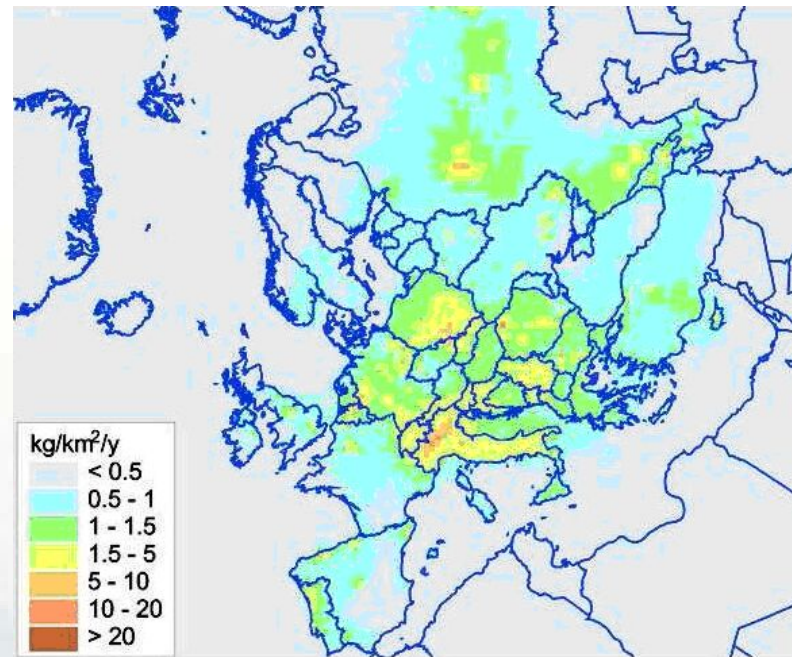


Učestalost putanja

# Pb u ULČ

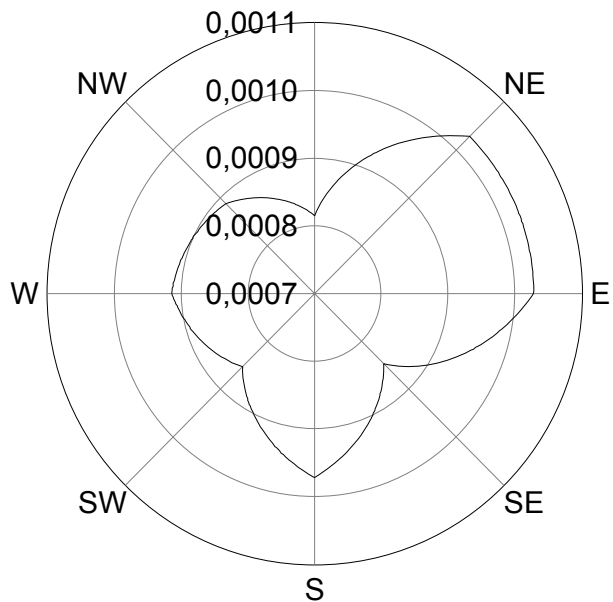


# Emisija Pb

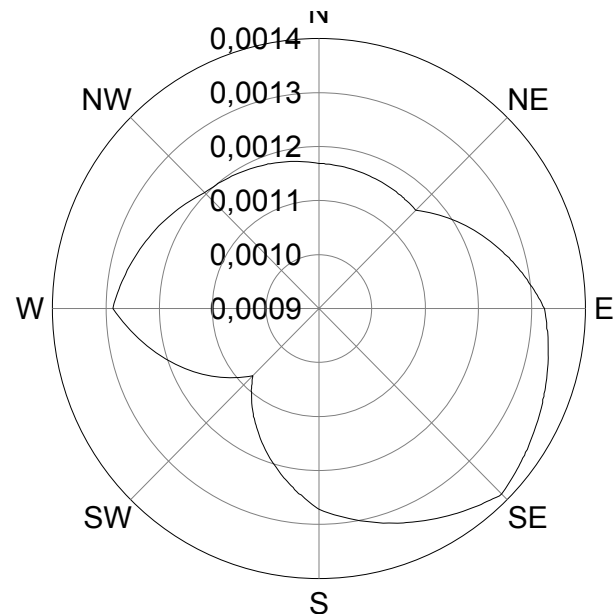


Prosječne dnevne  
koncentracije

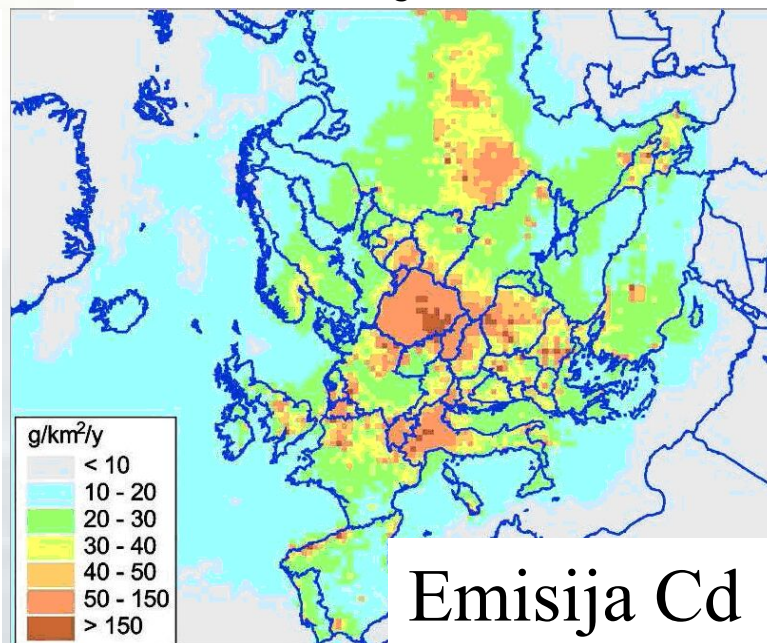
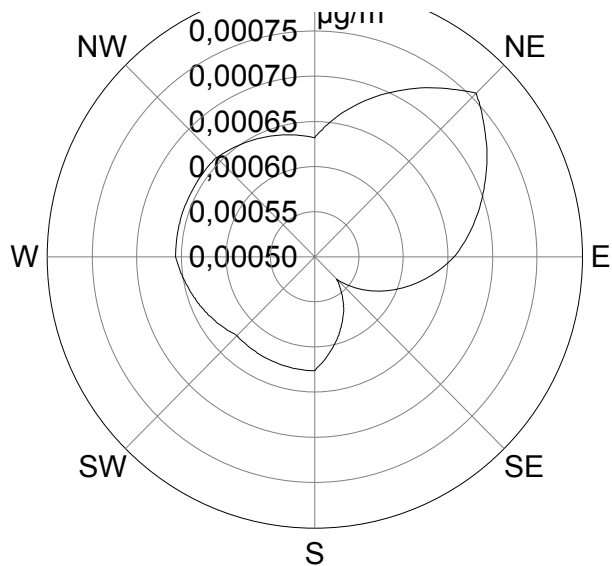
# Cd u PM10



# Cd u ULČ



# Cd u PM2.5



# BUDUĆA ISTRAŽIVANJA

Objektivizacija tipova vremena → Faktorska analiza

Grupacija putanja česti zraka → Faktorskom analiza

Source apportionment → Positive matrix factorisation



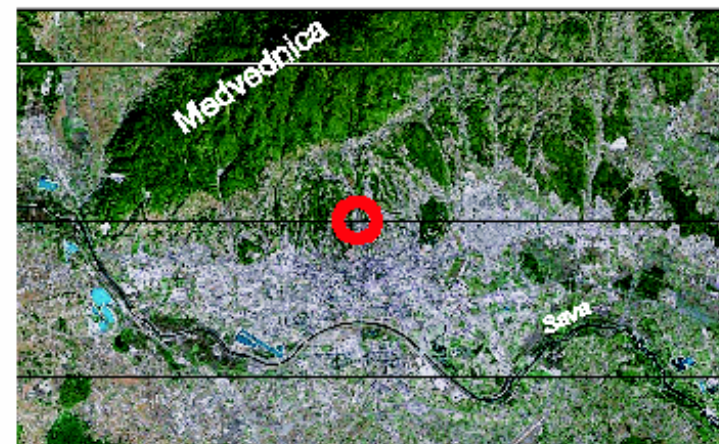
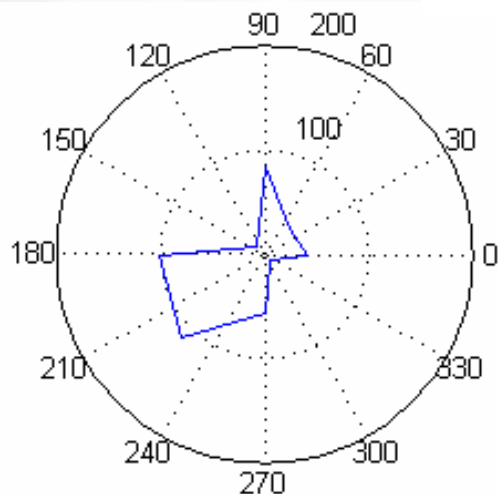
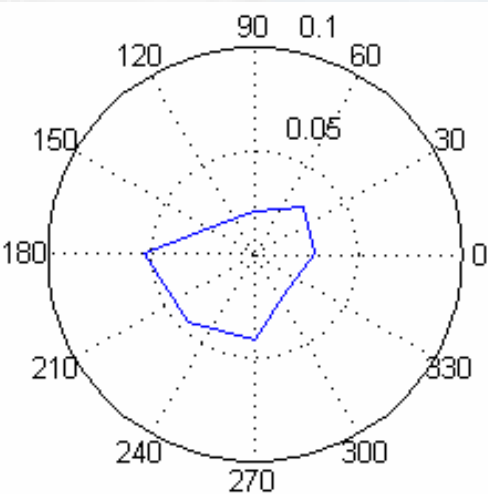
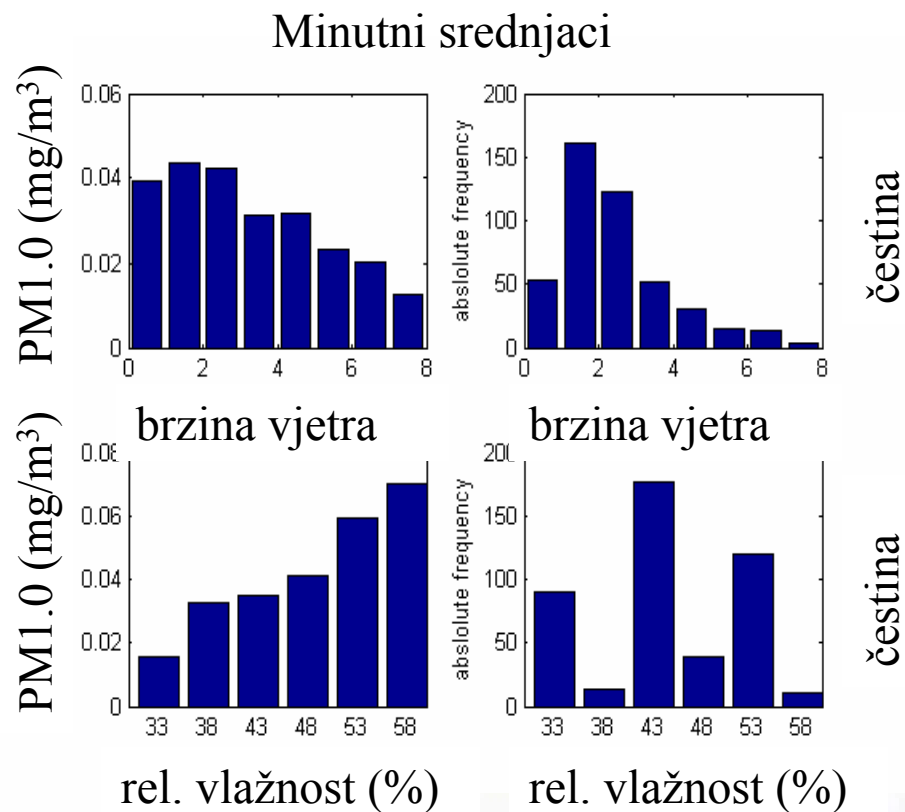
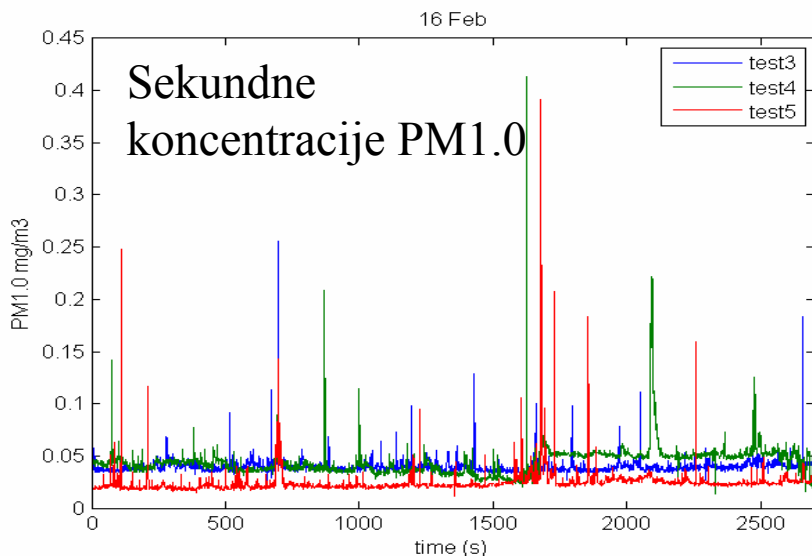
# TEKUĆI EKSPERIMENT (GFZ)

DustTrak™ Aerosol Monitor  
(TSI)

PM<sub>1.0</sub>, PM<sub>2.5</sub> i PM<sub>10</sub> pri  
rezoluciji od 1 s



# Preliminarni rezultati



PM1.0 (mg/m<sup>3</sup>) u ovisnosti o smjeru vjetra

Apsolutna čestina smjerova vjetra