



# Development of precipitation station network in Novi Sad

**Project Acronym: URBAN-PREX**

**Project Code: HUSRB/1602/11/0097**

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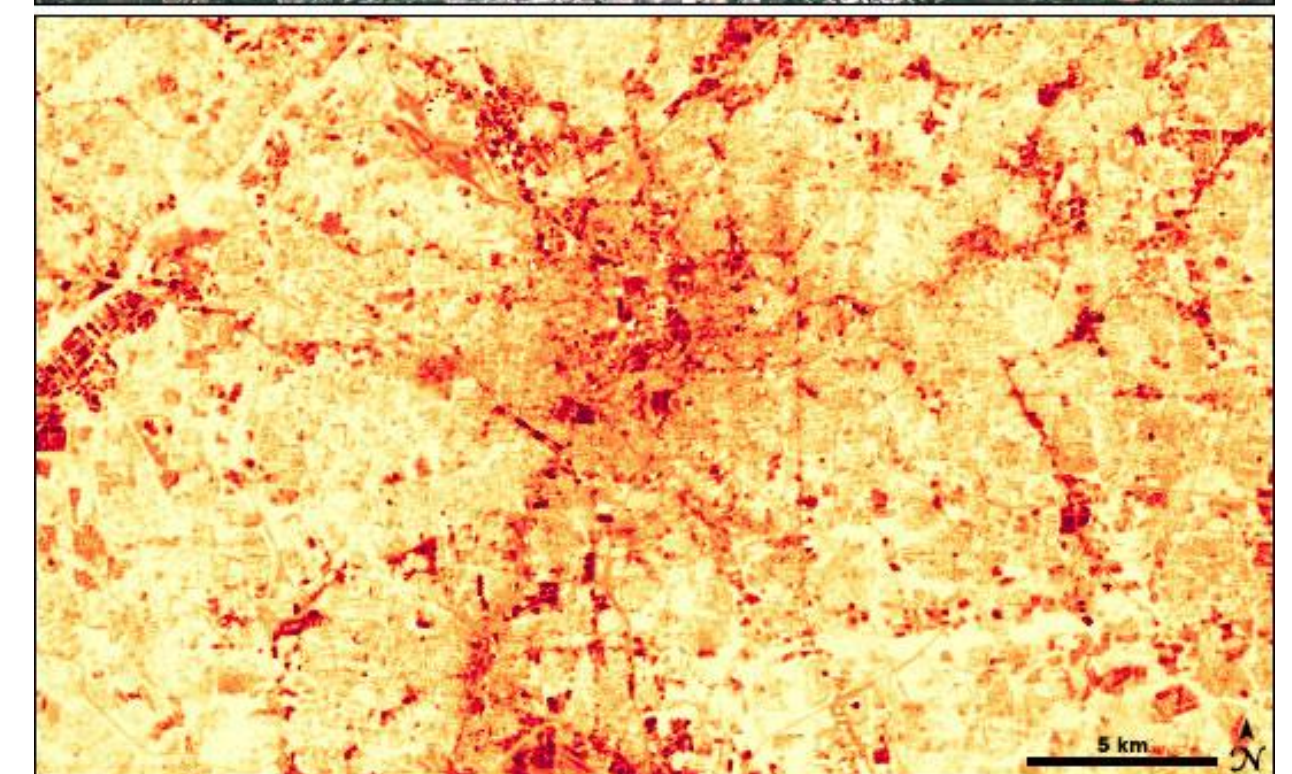
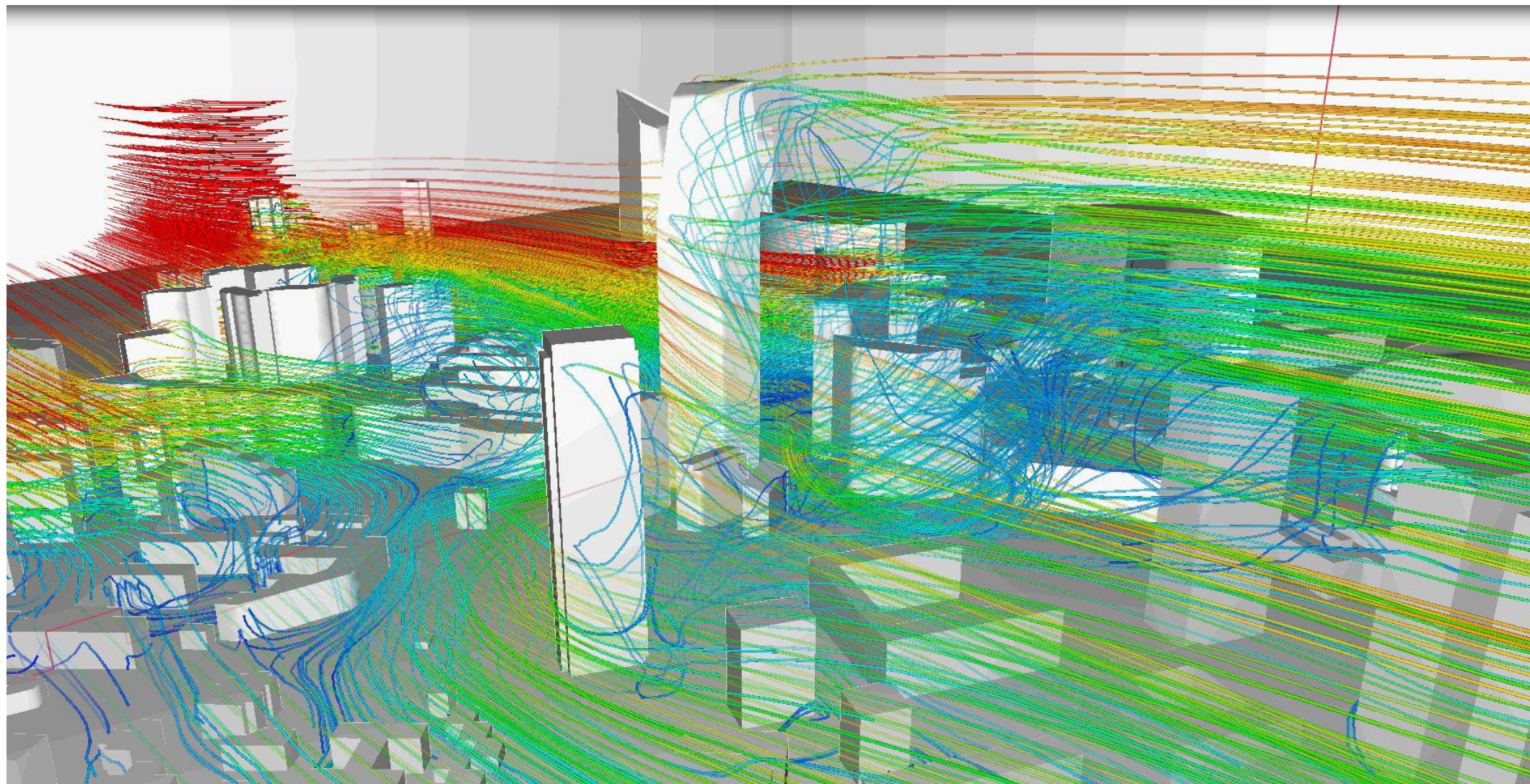




# THE IMPACT OF CITY LANDSCAPES AND AIR POLLUTION ON RAIN

There are several hypotheses about what is going on:

- Effect of the urban **land use** and
- Effect of urban **aerosols**

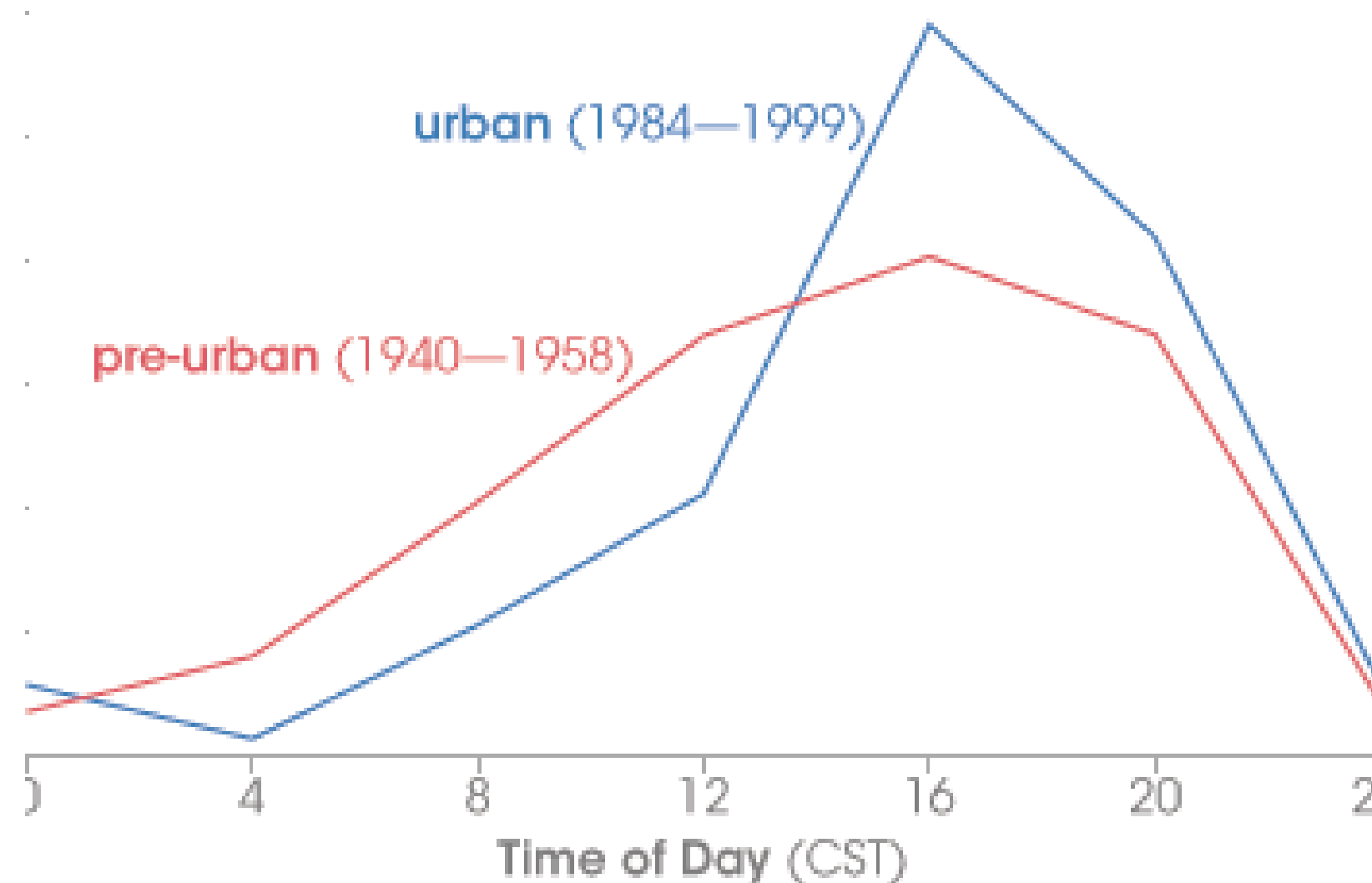




# THE IMPACT OF CITY LANDSCAPES AND AIR POLLUTION ON RAIN

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# IMPORTANT TO STUDY THE URBAN PRECIPITATION!

There is a NEED 4 UNDERSTANDING the urban rain effect:

- **Implications** for urban planning, water resource management, economy and health
- Development of weather and climate forecasting based on **measurements** and **models**.





# PRECIPITATION SENSORS IN NOVI SAD

The precipitation monitoring system in Novi Sad consists of **19 precipitation stations**:

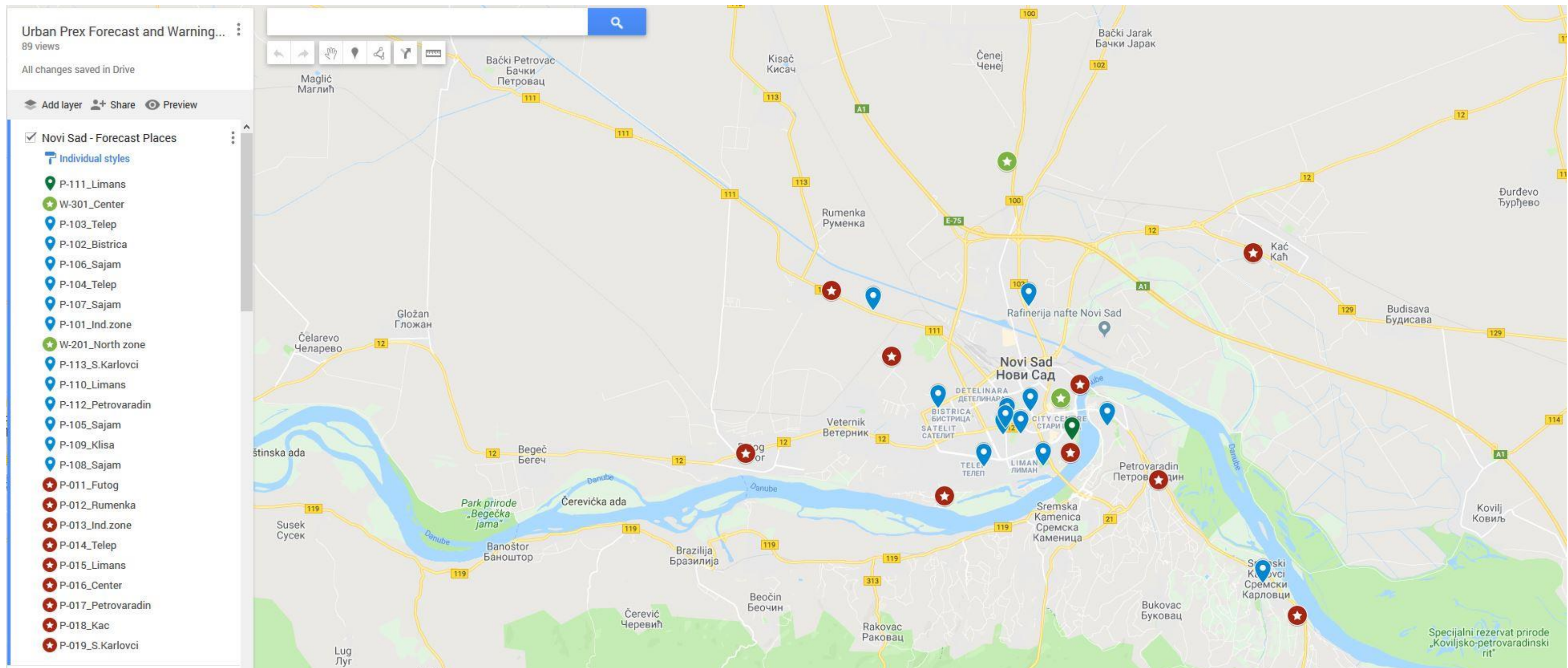
- two Davis Vantage Pro2 **automatic weather stations**
- two Lufft WS100 **radar precipitation stations** (smart disdrometer)
- 15 Lambrecht rain[e] **precipitation stations**
- + 9 precipitaton stations of partner VIK





# SENSORS LOCATIONS IN NOVI SAD

In three areas: urban, suburban and natural.





# SENSORS LOCATIONS IN NOVI SAD

Erker 2 Futoska ID 108



Erker building ID 105



Futoški park ID 106



Institut za šumarstvo ID 107





# SENSORS LOCATIONS IN NOVI SAD

Limanski park ID 110



Mirex firma ID 101



Novo Naselje ID 102





# SENSORS LOCATIONS IN NOVI SAD

Panonit dvorište ID 104



Petrovaradin ID 112



NS Seme ID114 ID201





# SENSORS LOCATIONS IN NOVI SAD

PMF ID101



Sremski Karlovci ID 113



TIAC ID 103



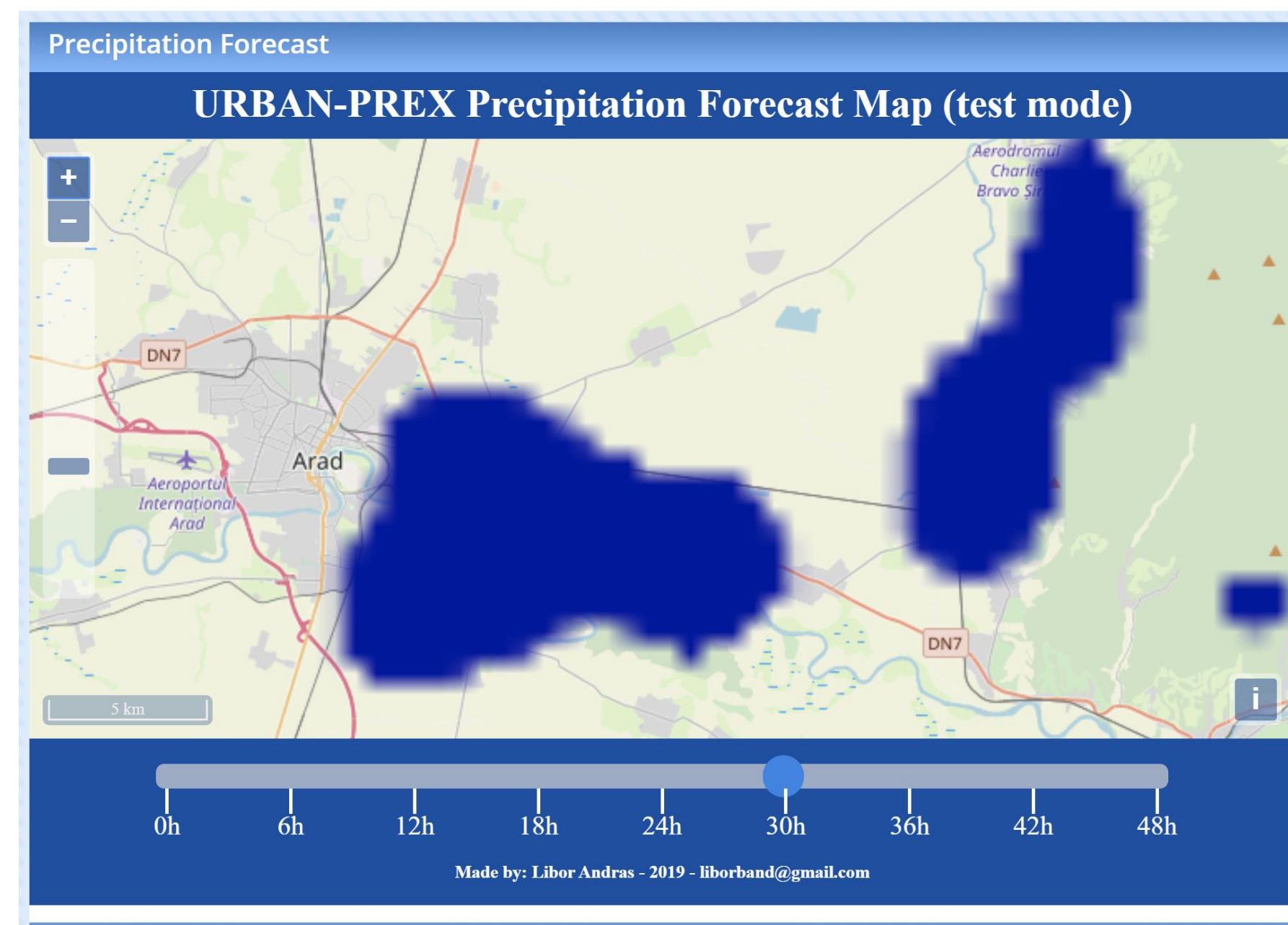
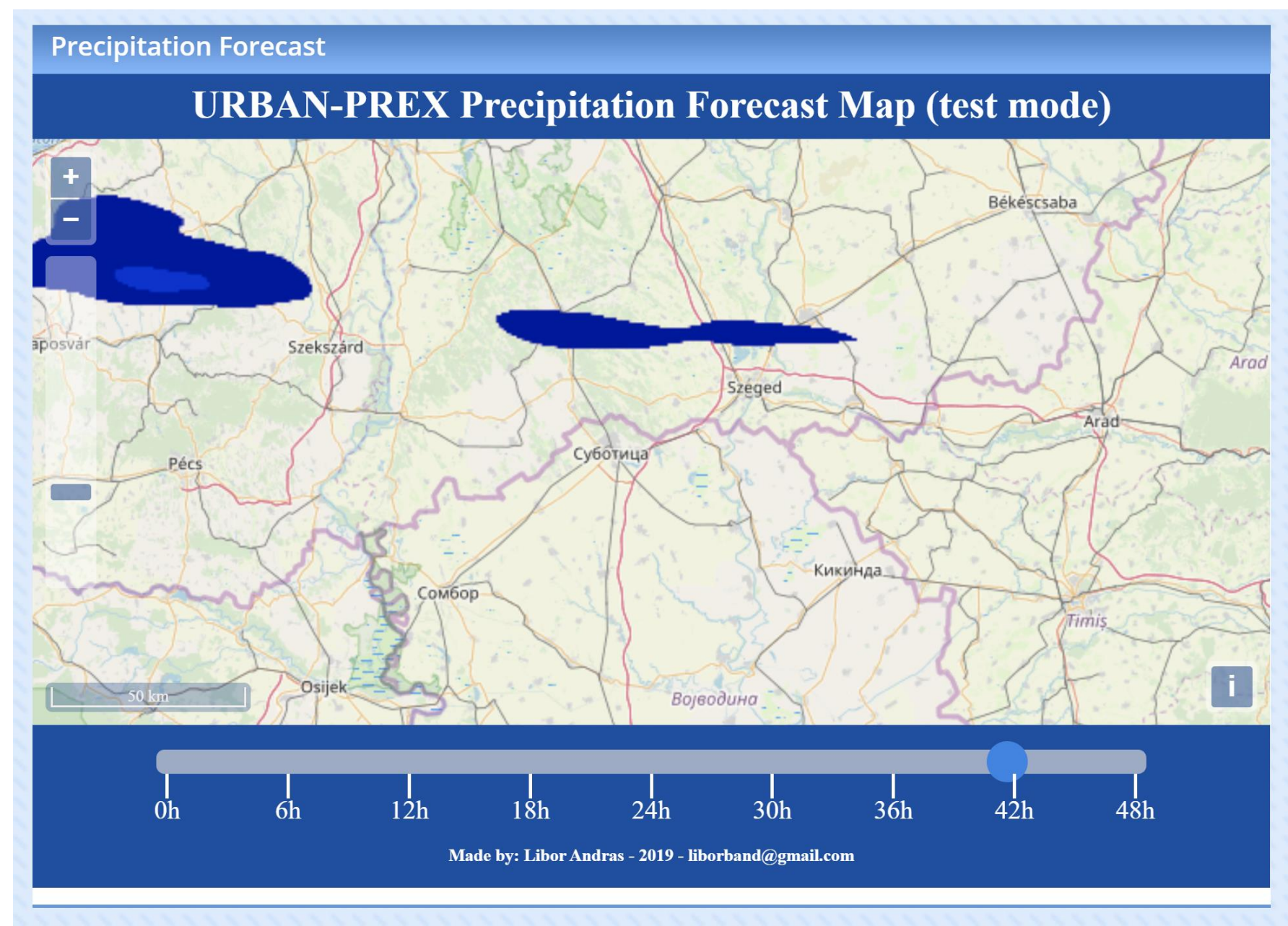
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# IMPROVING THE PRECIPITATION FORECAST

Forecast from 16<sup>th</sup> September 2019







Thank you (köszönöm)!



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Evropska unija

*Dobri susedi  
stvaraju zajedničku  
budućnost*