

Urban Climate change

New York city and Los Angeles

TDI - Capstone Project – [Alexandre Belli](#)

Temperatures increase – Consequences for cities

How to built sustainable cities?

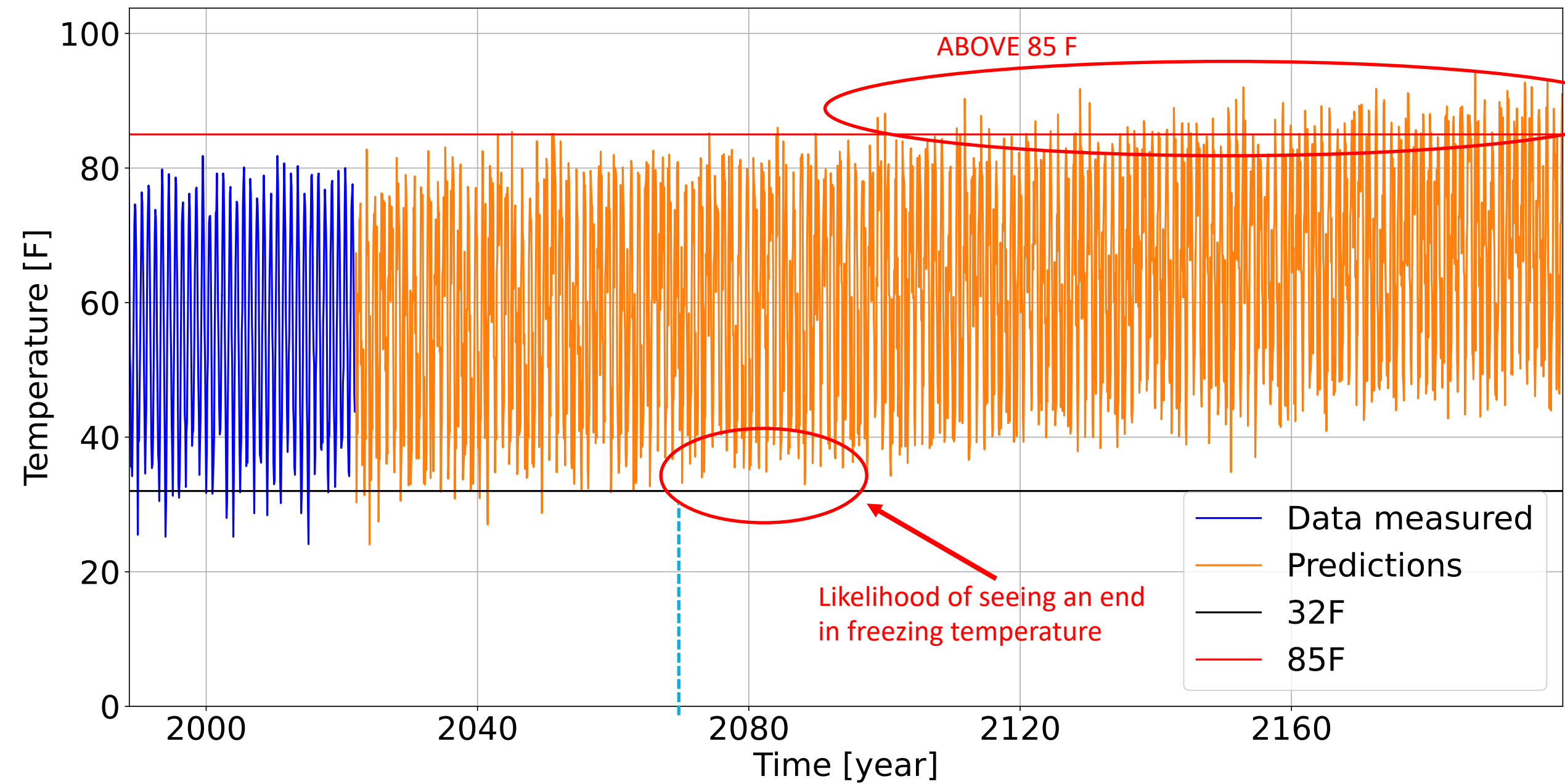
- **Heat resistant** innovative materials?
- Investing in **green areas**?
- Better access to **public fresh water**?
- New **heat-isolated buildings**?
- Temperatures' amplification due to the concrete
- **When should we be ready?**

Temperatures increase – Consequences for cities

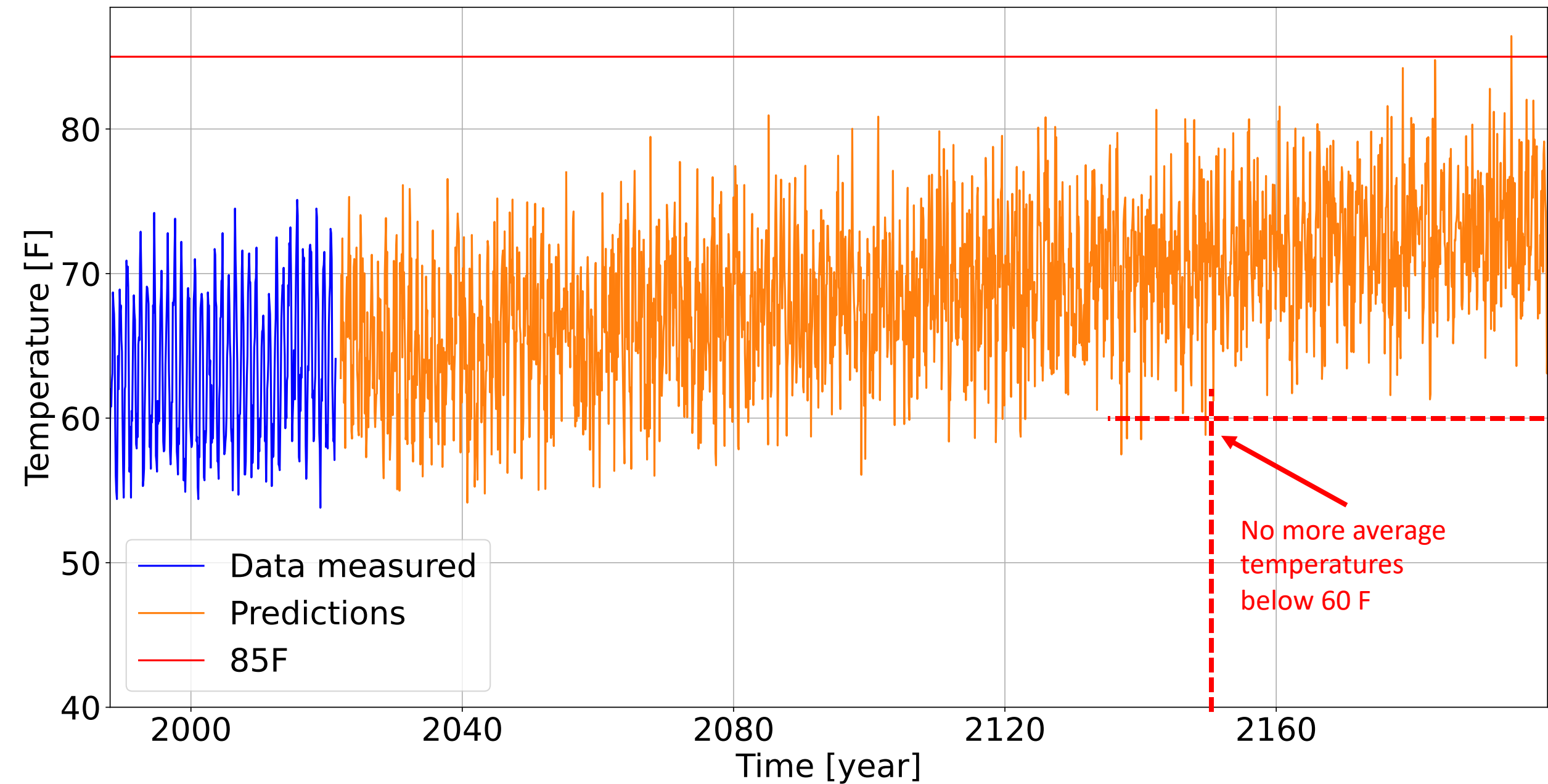
Insights we can find from historical average monthly temperatures:

- When we will see the **frozen temperatures disappearing** in NYC
(consequences for snow management,...)
- How many months with **an average temperature above 85 F**
(consequences for health, materials, green areas, access to water, A/C consumption...)
- Long term prediction of the **URBAN CLIMATE (NOT THE WEATHER!)**

Temperatures prediction for NYC



Temperatures prediction for LA



Are we ready to change the future of more than 12 millions people?