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**Grad Student**

Building,  
Troubleshooting and  
Installing Weather  
Stations in the 5  
Boroughs

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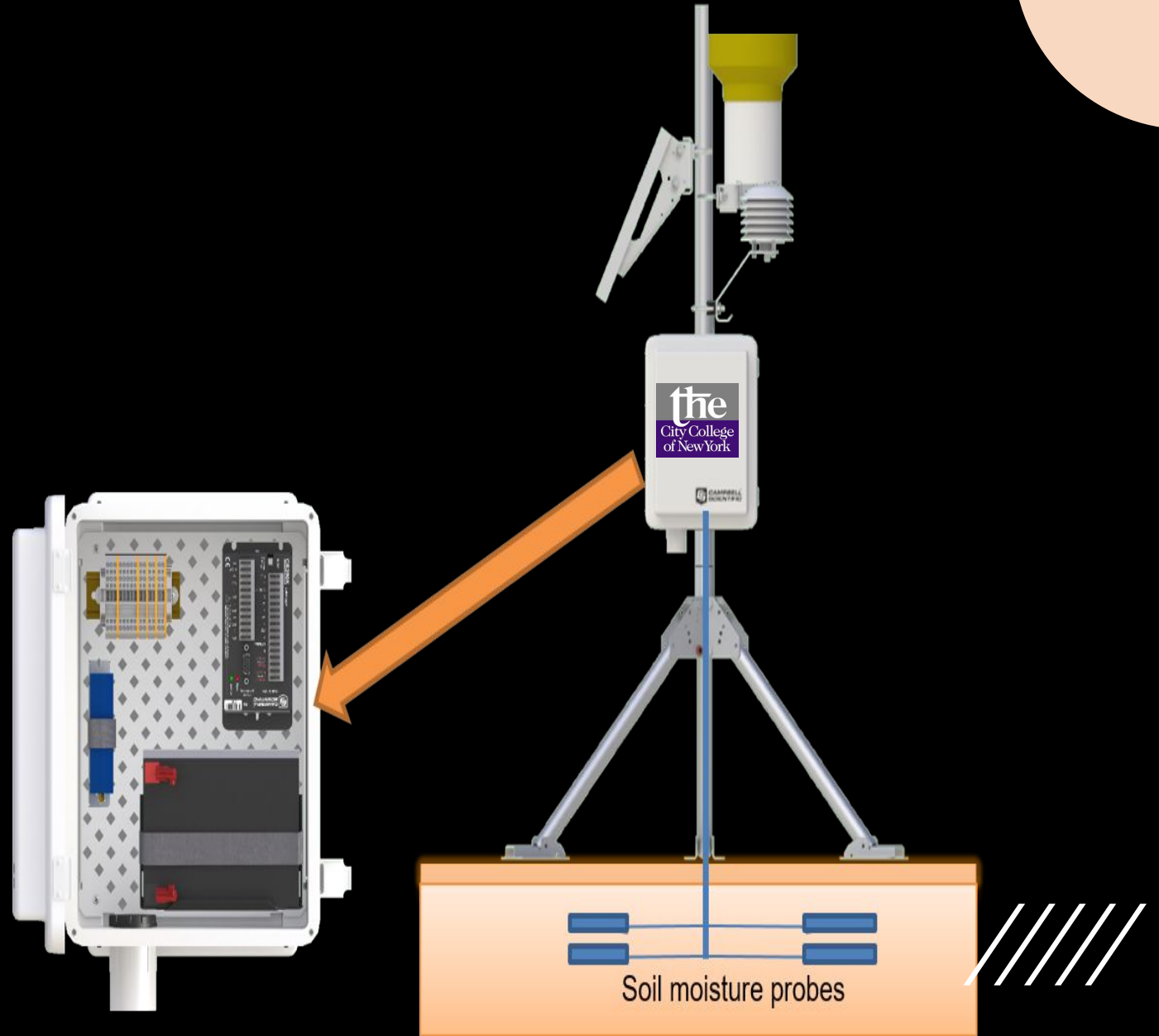
**Dr. Tarendra**  
**Lakhankar**  
**Mentor**

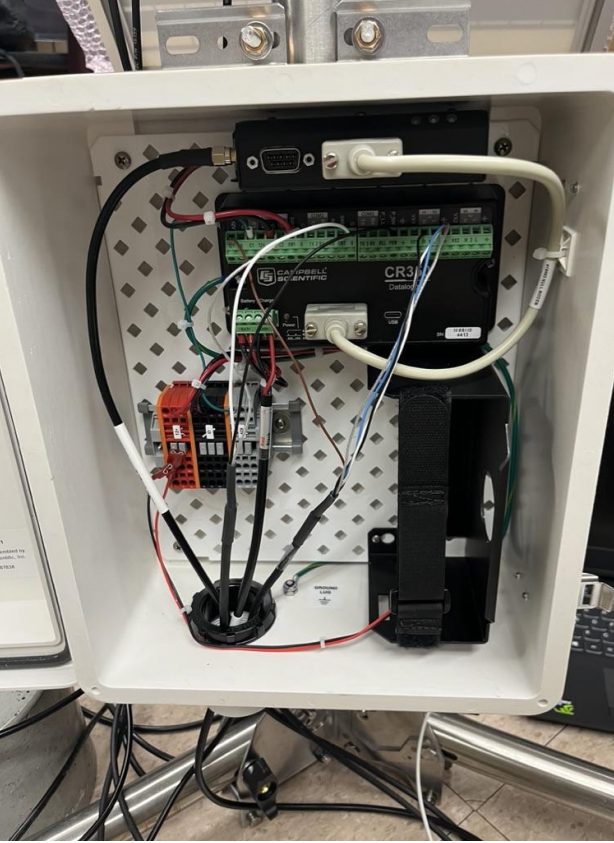


CENTER FOR EARTH SYSTEM SCIENCES  
AND REMOTE SENSING TECHNOLOGIES



**Building,  
Troubleshooting  
and Installing  
Weather Stations  
in the  
5 boroughs**





We will build and install a station on CUNY Campus

- Observe scientific data trends, patterns and relationships.
- How can we use this data to predict the future? (Perhaps 1950-2050?)
- What can we do in advance to prepare for a future of potential flooding (BTW Manhattan is sinking 1-2 mm per year).

AA [datadb.noaacrest.org](https://datadb.noaacrest.org)

Location:  
NOAA CREST DATA Server

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For downloading multiple data from the server, we recommend the following protocols (expecially for batch jobs) - Wget, CURL

Only filenames containing letters, numbers, . - \_ and spaces allowed

Filenames beginning in '.' or '-' are not allowed.

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/public will be routinely cleaned unless explicitly omitted

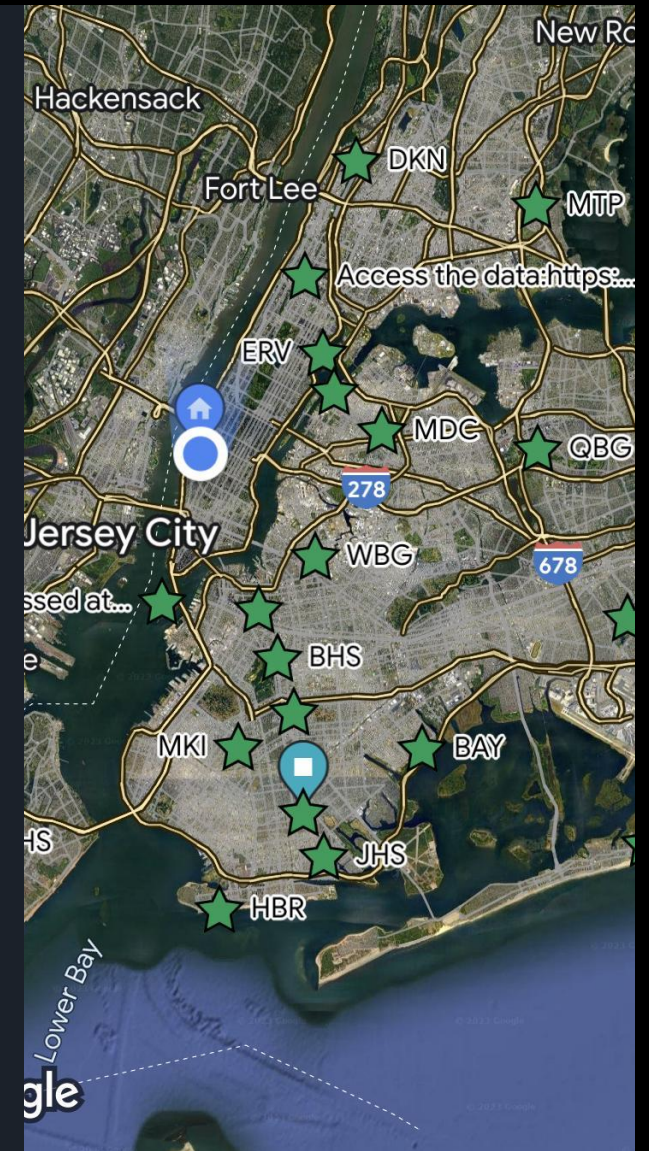
- Some files older than 30 - days are deleted daily.
- All empty directories are removed daily.

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NOT all data is backed up.  
Please contact the system administrator - noaacrest@ccny.cuny.edu

Name	Last modified
Site10_BayView_Fifteen.csv	2023-06-14 04:06
Site11_Baisley_Park_Fifteen.csv	2023-06-14 04:05
Site12_East_River_Fifteen.csv	2023-06-14 04:06
Site13_Astoria_Fifteen.csv	2023-06-14 04:06
Site14_Haber_Coney_Island_Fifteen.csv	2023-06-14 04:06
Site15_Walt_Whitman_MS_Fifteen.csv	2023-06-14 04:06
Site16_JHS_High_School_Fifteen.csv	2023-06-14 04:05
Site18_MDC_School_Fifteen.csv	2023-06-14 04:05
Site1_Queens_Botanical_Garden_Fifteen.csv	2023-06-14 04:06
Site22_New_York_Harbor_School_Fifteen.csv	2023-06-14 04:06
Site2_Queensborough_Community_College_Fifteen.csv	2023-06-14 04:06
Site3_Ronald_Edmonds_Learning_Center_Fifteen.csv	2023-06-14 04:05
Site5_Middleton_Houses_Fifteen.csv	2023-06-14 04:05
Site6_Dyckman_Houses_Fifteen.csv	2023-06-14 04:06
Site7_Williamsburg_Houses_Fifteen.csv	2023-06-14 04:06
Site8_Polo_Ground_Fifteen.csv	2023-06-14 04:06
Site9_Far_Rockaway_Fifteen.csv	2023-06-14 04:06

# Data and Locations of Current Weather Stations in the 5 Boroughs. (We adding 2 more).

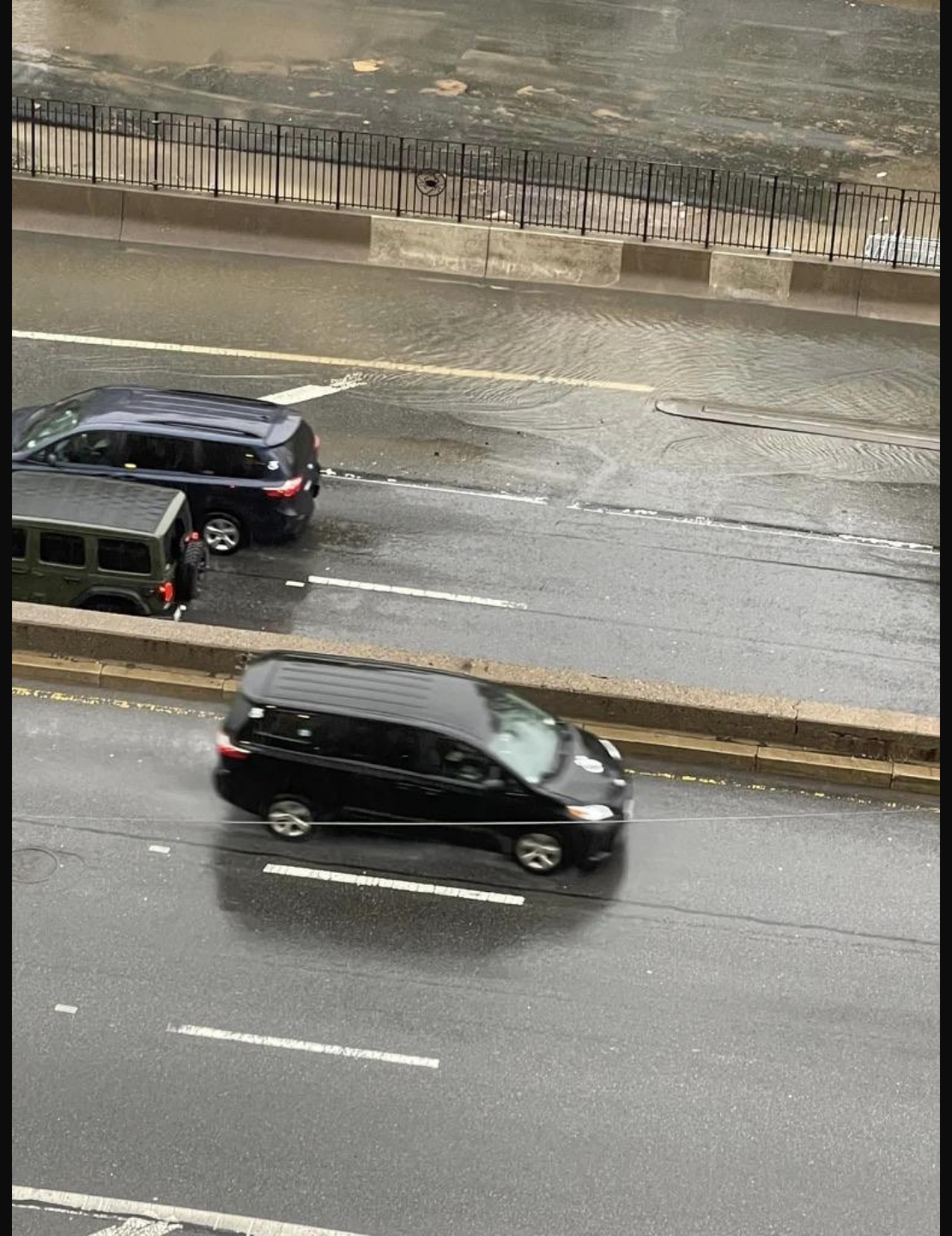


# Research Question(s)

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- What areas will be most impacted by coastal flooding?
  - What can we learn about microclimates?
  - How can we engage to the public about climate change in our city?
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We can discuss and figure out what question to focus on.



# What Skills Do We Need To Succeed?

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- Excel
- Patience
- Time Management
- Focus
- A love for science
- Motivation



# Socioeconomic Disparities

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- Can we develop a plan for those impacted by flooding?
- Do you know that 56% of non-white people live directly or adjacent to a floodplain (flat area next to river)?
- >50% of low-income people live in these floodplains.
- Currently, over 1 million NYC residents live in a floodplain.
- How can we educate/alert fellow New Yorkers who live in these areas?

Source

<https://rebuildbydesign.org/who-lives-in-nycs-floodplain/>

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