

Regulated Research Institutional/Industrial Setting Form (1C)

This form must be completed AFTER experimentation by the adult supervising the student research conducted in a regulated research institution, industrial setting or any work site other than home, school or field.

Student's Name(s)

Rachel Weissman

Title of Project

Urban Expansion & Carbon Emissions.

To be completed by the Supervising Adult in the Setting (NOT the Student(s)) after experimentation:

(Responses must be on the form as it is required to be displayed at student's project booth; please do not print double-sided)

The student(s) conducted research at my work site:

1. Did you or your proxy (e.g. graduate student, postdoc, employee) mentor or provide substantial guidance to the student researcher?

☒ Yes

☐ No

a. If no, describe your and/or your institution's role with the student researcher and his/her project (e.g. supervised use of equipment on site without ongoing mentorship and sign below.

b. If yes, complete questions 2-5.

2. Is the student's research project a subset of your ongoing research or work?

☒ Yes

☐ No

Use questions 3, 4 and 5 to detail how the student's project was similar and/or different from ongoing research or work at your site.

3. Describe the independence and creativity with which the student:

a. developed the hypotheses or engineering goals for the research project

She read and understood the research work we have done around urban growth and wanted to understand the relation (if any) between urban expansion & Carbon Emissions

b. designed the methodology for his/her research project

She was very independent in the process of gathering the complementary data to pursue the aforementioned relation and created a proxy to be able to account for city's emissions.

c. analyzed and interpreted data

Rachel was proactive with her project. She took the lead on the subject, data gathering and first interpretation of the results. After that we had a working session where she presented the results & her interpretation, and we had a discussion of better ways of using the marron institute information in order to be coherent with the information (Continued on next page) she had gathered.

Student's Name(s) Rachel Weissman

4. Detail the student's role in conducting the research (e.g. data collection, specific procedures performed). Differentiate what the student observed and what the student actually did.

she searched for CO2 emission data. downloaded it and organize the information for the selected countries and after that created the total emission per city.
For the urban growth data she used urban extent total & rate of change. she downloaded and cleaned the data.
she made some correlation and graph to better illustrate the relation between the variables.

5. Did the student(s) work on the project as part of a group?
If yes, how many individuals were in the group and who were they (e.g. high school students, graduate students, faculty, professional researchers)?

☐ Yes ☒ No

This was her project. she used Marrons data and data she gather independently. she did all the work. she got guidance from Graduate assistants and the research scholar, to complement her effort and give her feedback.

I attest that the student has conducted the work as indicated above and that any required review and approval by institutional regulatory board (IRB/IACUC/IBC) has been obtained. Copies are attached if applicable.
I further acknowledge that the student will be presenting this work publicly in competition and I have communicated with the student research regarding any requirements for my review and/or restrictions of what is publicized.

Maria Monica Salazar

Supervising Adult's Printed Name

Signature

Marron Institute - NYU -

Institution

60 5th Avenue, New York

Address

Research Scholar

Title

8/16/2019

Date Signed (must be after experimentation) (mm/dd/yy)

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