

UA Database for Metal Contaminants in Produce - Progress Report

Email

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Project Manager Name

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Requested Metrics

of people in core project team involved in planning and execution of project (if they're a student/ staff/ faculty etc). - 4

of hours spent on this project (broken up by students/ staff; and research and building the dashboard) - Students: 70.95, Staff: roughly 130, 6.75 hours spent in the field

of people engaged with (Earth Week, Mines for Limitless Mind, social media, classes like ENVS 225, ENVS 435/535, etc.) - Currently unknown due to the fact that I do not have access to the metrics of the social media account that has posted about this project.

of presentations in clubs/classes - 1

of samples collected/processed - 141 samples collected, 50 processed, 16 scanned

Project Accomplishments

Since the previous progress report, the most significant milestone that we've achieved was completing all of our planned sampling from both the Biosphere 2 and the UA Community Garden. With all of our samples in hand, we have been able to move forward with processing and scanning them. As of now, only 16 plant samples have been scanned, but this number will increase quickly as we complete our sample processing protocols.

Next Steps

The next step for this project is to process all of the samples that we have collected. Given that we have already started this step, we plan to complete it by May 10th. Following that, we hope to scan all processed samples the following week, ending May 17th. After we have collected all of our data, the final major goal that we need to achieve is translating the data and putting it online. This process may be time consuming as such, we've realistically placed the end date for this project in mid-June, likely the week ending in the 17th or the week ending in the 24th.

Challenges Faced

The main challenge that we have faced since the previous progress report is lack of working time for your students. The end of the semester can be difficult for undergraduate students, so I've allowed them to take any time off that they need in the lead up to the end of the year. To address this, I have devoted more of my working time to this project, mainly in the form of sample processing.

Project Support

Where I think the CSF can support this project most is in outreach. Unfortunately, due to some of the setbacks that we previously experienced, we have been unable to do as much outreach as we had originally hoped. Any outreach that the CSF could do on our behalf would be much appreciated as we push to fulfill our main goal before the award ends.

Photo Link

<https://drive.google.com/drive/folders/1t9zG5yPsDApL8PgithxyUSvs3stY2g3L?usp=sharing>

Media/Links

<https://www.instagram.com/uarizonasustainability/p/C5Yx0ibLQpV/>
<https://www.instagram.com/p/C3a79UjP7ph/>