

WHAT IS SPIDEY SENS-R?

Spidey Sens-r is a project started by **Dr. Chris Lamont Brown** at the North Carolina Environmental Justice Network (NCEJN) that uses funnel spider webs as low-cost air monitors to measure air pollution in impacted communities across North Carolina.

Our process begins with "Spider Parties," community collection events that bring together community members of all ages to venture out and collect spider webs. Like fancy air monitors, spiderwebs also collect contaminants from dust, and they can provide a snapshot into air quality exposure concerns.



North Carolina
**ENVIRONMENTAL
JUSTICE NETWORK**

GET IN TOUCH

Visit NCEJN.org

Email:

research@ncejn.org

Subscribe to our newsletter:

tinyurl.com/NCEJN-Newsletter

Become a funnel web finder:

bit.ly/40hx4rh



SPIDEY SENS-R

An air quality monitoring community science project with spider webs!



Bottom line, if you have a local air quality concern that has not yet been regulated: we can detect trace metals that come from car exhaust, coal power plants, and anything that has the combustion of fossil fuels such as coal ash (e.g. lead, arsenic, cadmium, aluminum) in a unique and cost effective way.

We can collect funnel spider webs in your community and analyze them for deposited metals!

Are you concerned about the air quality in your community?

Are you looking for ways to engage youth in your community with your environmental justice advocacy efforts?

Are you a researcher looking to get your students involved in environmental justice research?



RESEARCHERS & ACADEMICS

Needed support:

- Volunteer support at events
- Statistical analysis
- GIS analysis
- Expanding Spidey Sens-r processing and analysis to other universities (e.g. ICP-MS)

We also have internship opportunities for students.

