



GLOBAL GEOSPATIAL INSTITUTE



Keep
LOUISIANA
Beautiful

KEEP AMERICA BEAUTIFUL AFFILIATE

Youth Litter Education with GIS



Global Geospatial Institute

Non-Profit bringing GIS
Technology to Schools K-12





What is GIS?

Geographic Information Systems

9:41

Cupertino
76°
Sunny
H:79° L:56°

Sunny conditions will continue all day.

NOW	10AM	11AM	12PM	1PM	2PM
76°	77°	77°	77°	78°	79°

10-DAY FORECAST

Today		56°		79°
Tue		55°		71°

8th Ave

W 24th St

15 mph

W 25th St

7 min

1.0 mi • 11:00 AM

63

Check in SOS

People

Places

Mark
Near First Ave NE
Since 3:12 pm

Noah
Near 559 Bowles Ave
Since 2:56 pm

Location Safety Membership



Our Litter Story...

Fall 2019



**Lafayette Parish Proud
Five High Schools
Fenstermaker
The City of Lafayette**

Fall 2022



**Map it Clean!
Pilot Program
Episcopal Middle School**

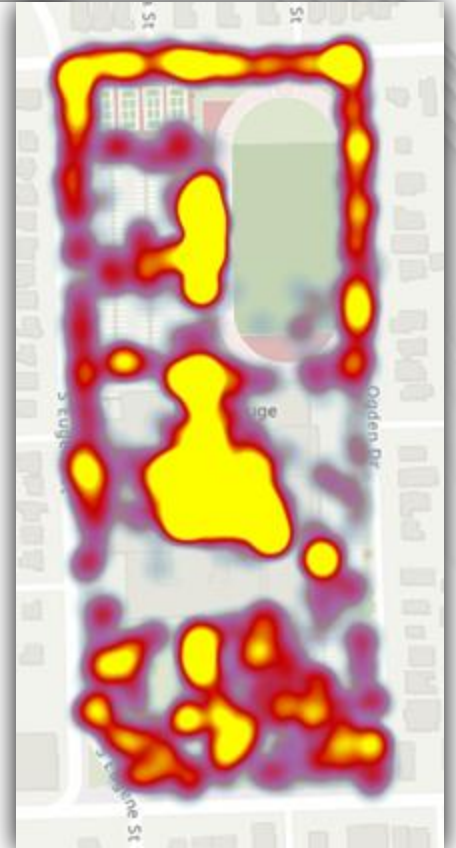
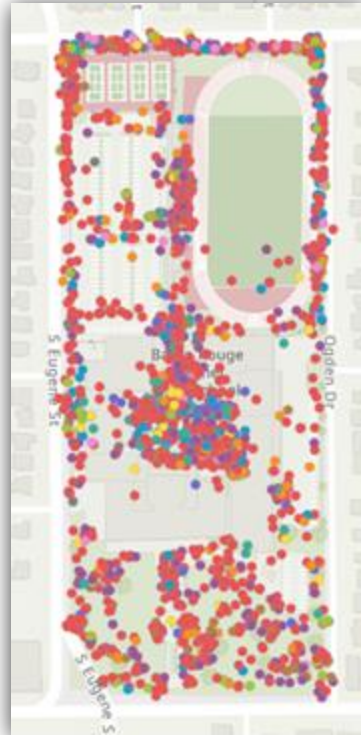
Fall 2023



**Map it Clean!
Program
Funded by KLB
Three Schools**



Results



Picked Up



≈6000

Documented



≈4500

Students Educated



≈2500

Partnerships



10

Schools Reached



9

Student Presentations



3

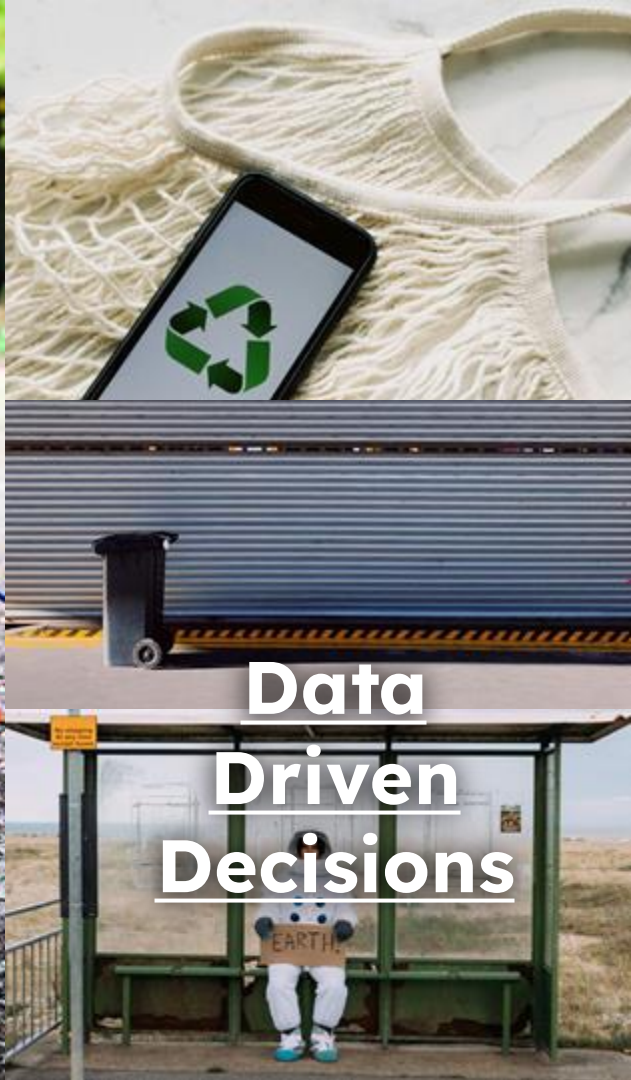
Litter Problem



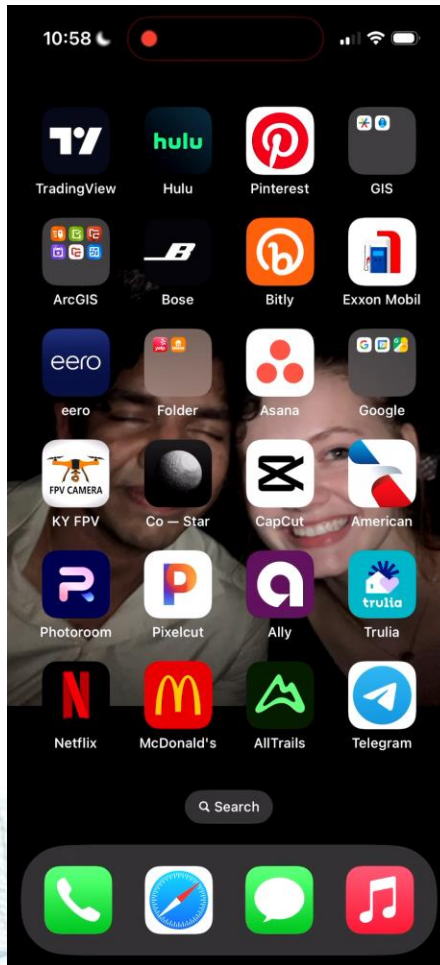
Mapping and Prevention



Data Driven Decisions

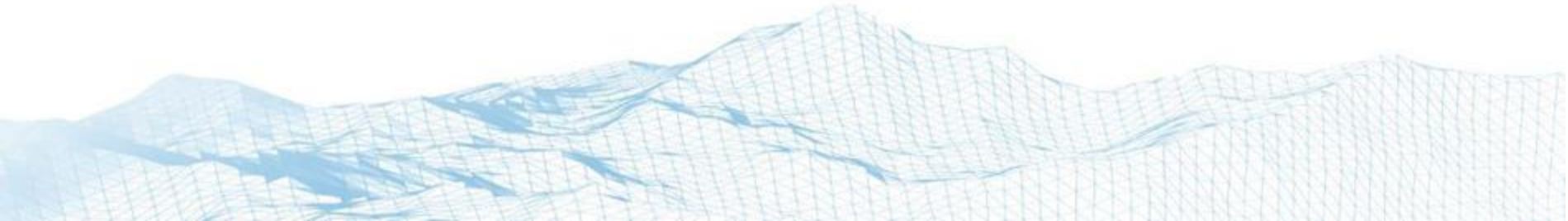
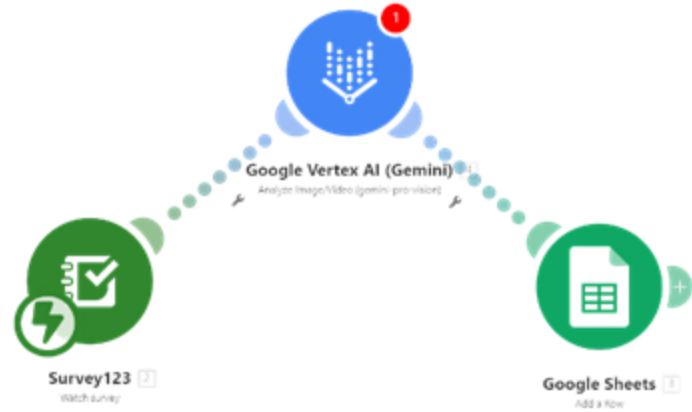


MACHINE LEARNING





ARTIFICIAL INTELLIGENCE





Reworking the Guidelines

- Easy to Use
- Collects Information
 - Location
 - Type of Litter
 - Image *(Required)*
- Uses Mobile Devices (Phones)
- Efficient~3-5 Seconds
- Contribution Tracking
- **Cost****





What can you do?





What can you do?

We need funding

Empower KLB's 7K Volunteers with
Litter Data Tracking

We can train you and your youth!

Move to AI powered app





NATIONAL ACADEMY OF SCIENCES



2024-2026

The Life of Litter





Schools, Partners & Funders





GLOBAL GEOSPATIAL INSTITUTE

**Try out our Application!
Thank you
GGI Team**



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