To attract a more diversion population of students to geophysics, IRIS Education and Public Outreach (EPO) is working with community members to develop resources that blend active-learning pedagogies with geophysics content. The IGUaNA project (Introducing Geophysics for Urban and Near-surface Applications) teaching modules on refraction seismics, ground penetrating radar (GPR), and resistivity have been tested and are available at **serc.carleton.edu/iguana**.

A gravity and magnetics module is currently under development. Instructors and students can work with data incorporated in the modules, or additionally collect their own via instrument loans from the IRIS PASSCAL instrument center or the University of Wyoming.

Measuring the depth to bedrock for an urban renewal project Audience

- Urban, rural, or wildland environment – it's a fit!
- The field component is fun for all skill levels
- <u>Students</u>: Environmentalists, <u>rock</u> <u>hounds</u>, engineers, math/physics
- <u>Classes</u>: Intro Environment/Geology, Civil <u>Eng</u>, Physical Geography,

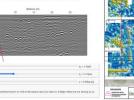


SOUTH FLORIDA

Pipes, Tree Roots or Unmarked Graves? Using Ground Penetrating Radar for Forensic Geophysics

- Determine depths to buried targets with realworld data
- Under development how to collect and process your own data with instruments available from IRIS-PASSCAL





GO IGUANA ATTOLICAS DECEMBER FOR LARMA



RUTGERS (In IduaNA Treasurement Evaluating the Health of an Urban Wetland Using Electrical Resistivity

- Use of real data
- · Connects students to world around them
- Flexibility



