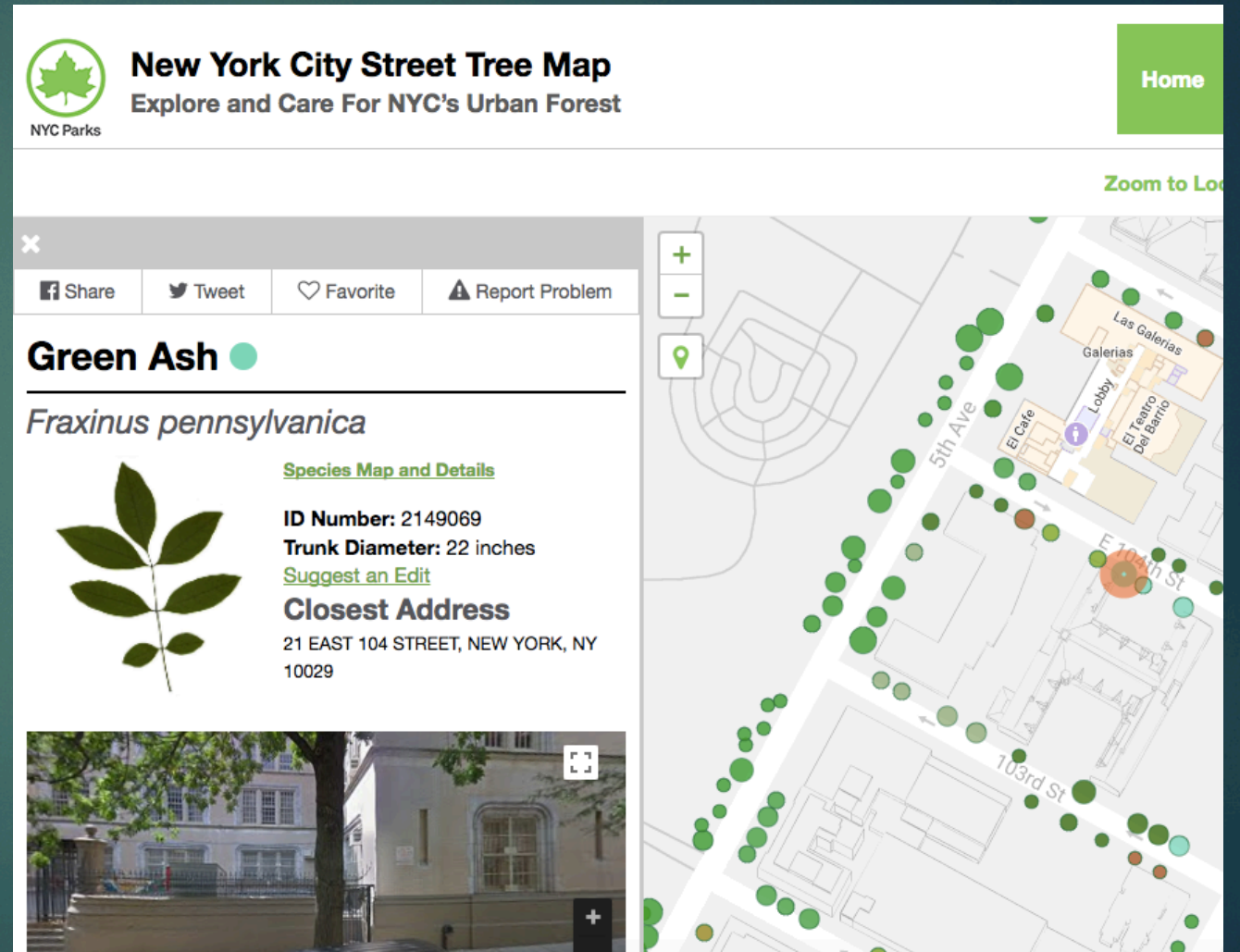# Future City Lab: New York City's Trees

New York City Street Tree Map

- Result of the TreesCount! 2015-2016 census, in which 2,200 volunteers helped the city document every single street tree in the five boroughs.

- Not only maps locations, records species, and charts trunk sizes, but also uses U.S. government tool to help *quantify* the benefits that each tree offers.

- ***Why might that be important?***

How do trees benefit New York City?

▶ Stormwater Interception

▶ Energy Conservation

▶ Air Pollutant Removal

▶ Carbon Dioxide Storage

▶ What special conditions do trees need to survive in the city?

Source: flickr.com/erika_herzog

Fact-Gathering

- Let's go to https://tree-map.nycgovparks.org together.
- How many trees have been mapped on the New York City Street Tree Map?
- How many species are represented?
- What is the most common species of tree? What percentage is it of the total number of trees?
- What are trees' ecological benefits per year?
  - How much stormwater was intercepted? At what value?
  - How much energy was conserved? At what value?
  - How many air pollutants were removed per year? At what value?
  - How much carbon dioxide was reduced each year? At what value?
  - What is the total value of street trees to New York City each year?