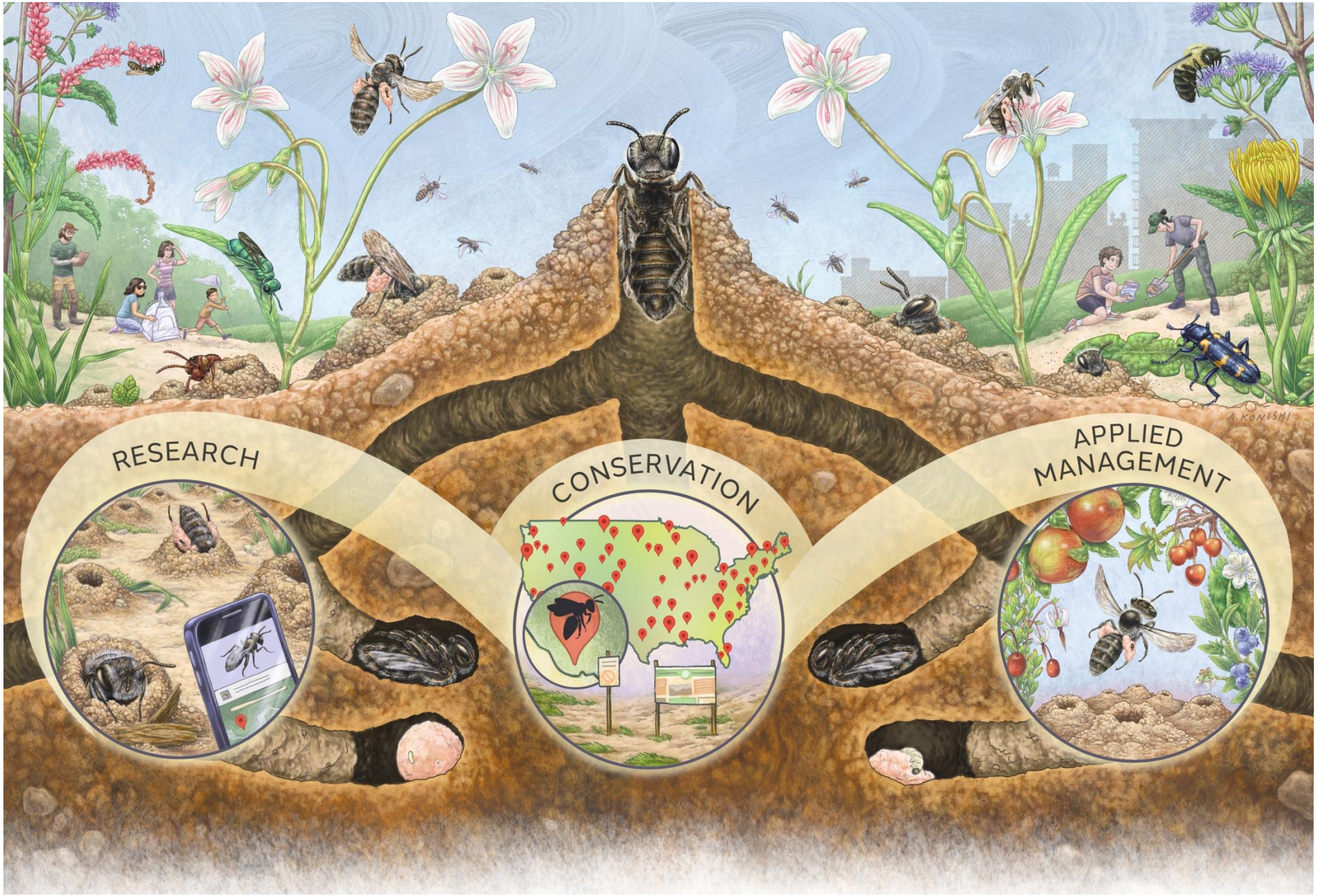
PROJECT GROUND-NESTING BEE



PRINCIPAL RESEARCH OBJECTIVES

1) What drives nesting site selection?

Nest site selection is influenced by both biotic and abiotic factors, but remains poorly understood for most species

2) What allows them to succeed long-term?

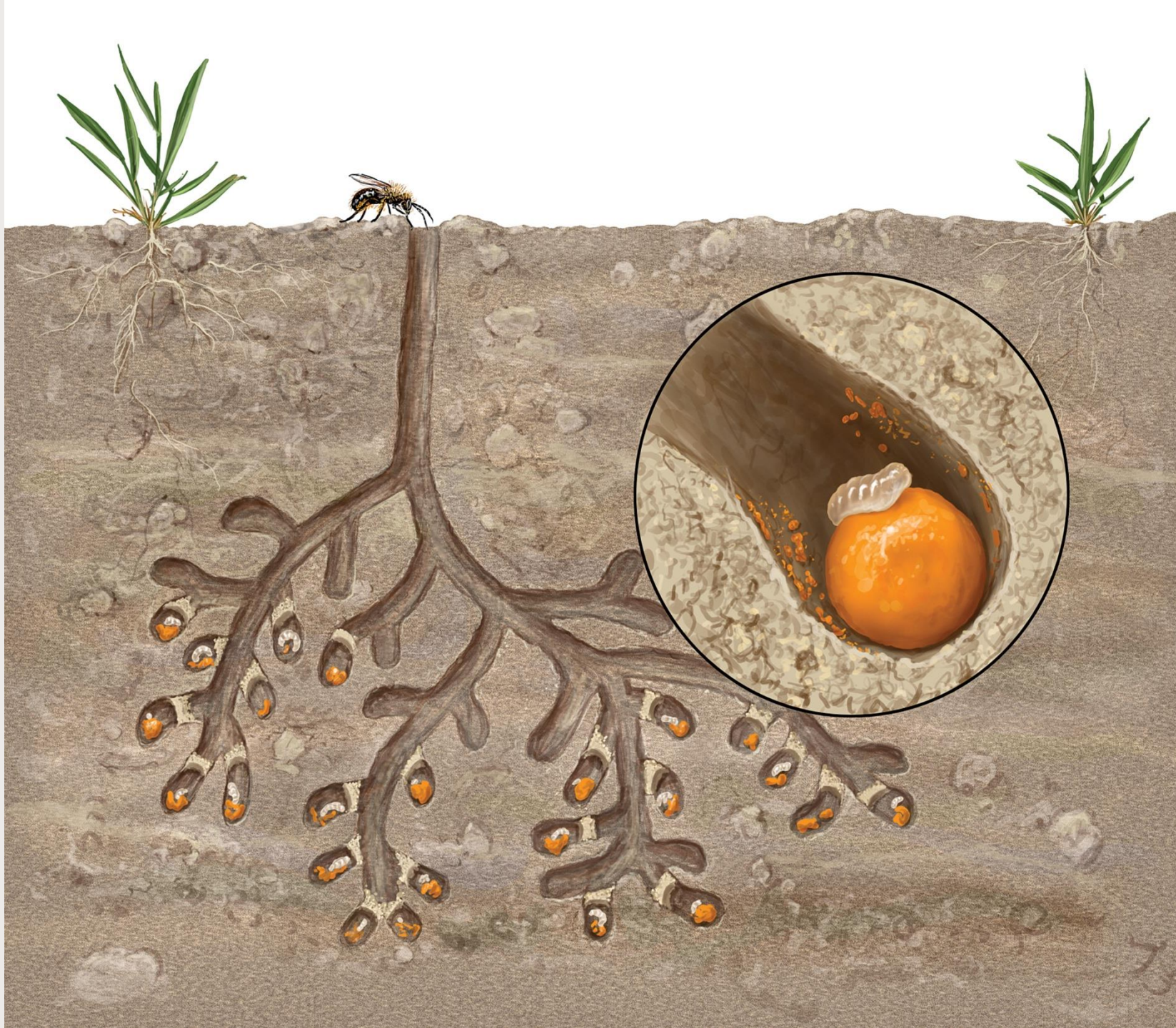
Studying ground-nesting aggregations over time is essential for understanding population stability and persistence

Community science is the only way to address these questions

LEARN HOW TO MAKE AN OBSERVATION

Follow instructions using the web address
https://www.gnbee.org/reporting-observations.html

PROJECT SITE

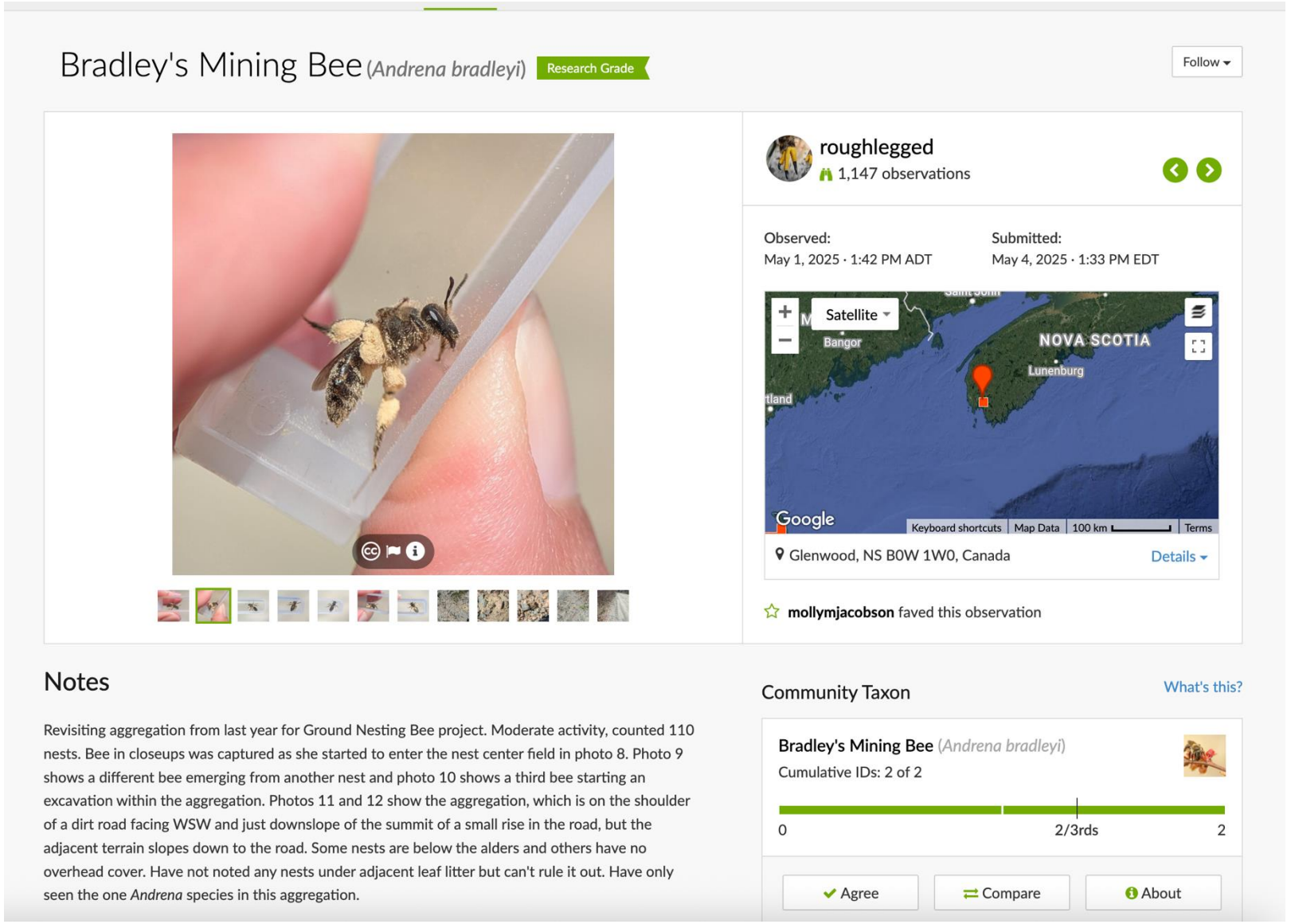


HOW TO MAKE A TOP-RATE OBSERVATION

1) Robust photo documentation
2) Improve location accuracy
3) Estimate size of nest site area
4) Estimate # of nest entrances
5) Offer description of site
6) Estimate slope
7) Estimate aspect
8) Consider inter-nesting bee sp.
9) Consider parasites of host bees

EXCELLENT!

Email:
groundnestingbees@gmail.com



The nesting area

Nesting activity

Bee using the nest

The head shape and fovea

The wing veins and abdomen

Approximate bee size

DETERMINE INTER-NESTING

Host Bees

Bee Parasites

Photo by Ulrich Maier

Photo by Paul Geisendörfer

Project GNBee, led by Dr. Jordan Kueneman of the Danforth Lab, Department of Entomology, Cornell University

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Photo by Daniela Raguth