An AI Tutoring System for Pollinator Conservation Community Science Training | 2303019

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Project Description

This project will create an adaptive, explainable AI tutoring environment to support volunteers' self-directed learning. By helping the volunteers acquire STEM knowledge and skills, the volunteers should, in turn, produce higher-quality scientific observations to further train the AI tutoring system and support ecological research.

Key Achievements

What have you **accomplished** to date?

- Initiated tagging training data for use by the AI model.
- Preliminary design of the user expertise curriculum lattice

Audience & Settings

Audience: Adult volunteers, Community science program leaders, CS and ISE researchers

Disciplinary area: Computer Science, Entomology, Adult Education

Learning environment: Community Science

Access and Inclusion

By creating a scalable AI training system, the Native Bee Watch community science project can be radically extended, expanding both the number of adult learners acquiring STEM skills and the opportunity for rural or place-bound learners to participate in science.

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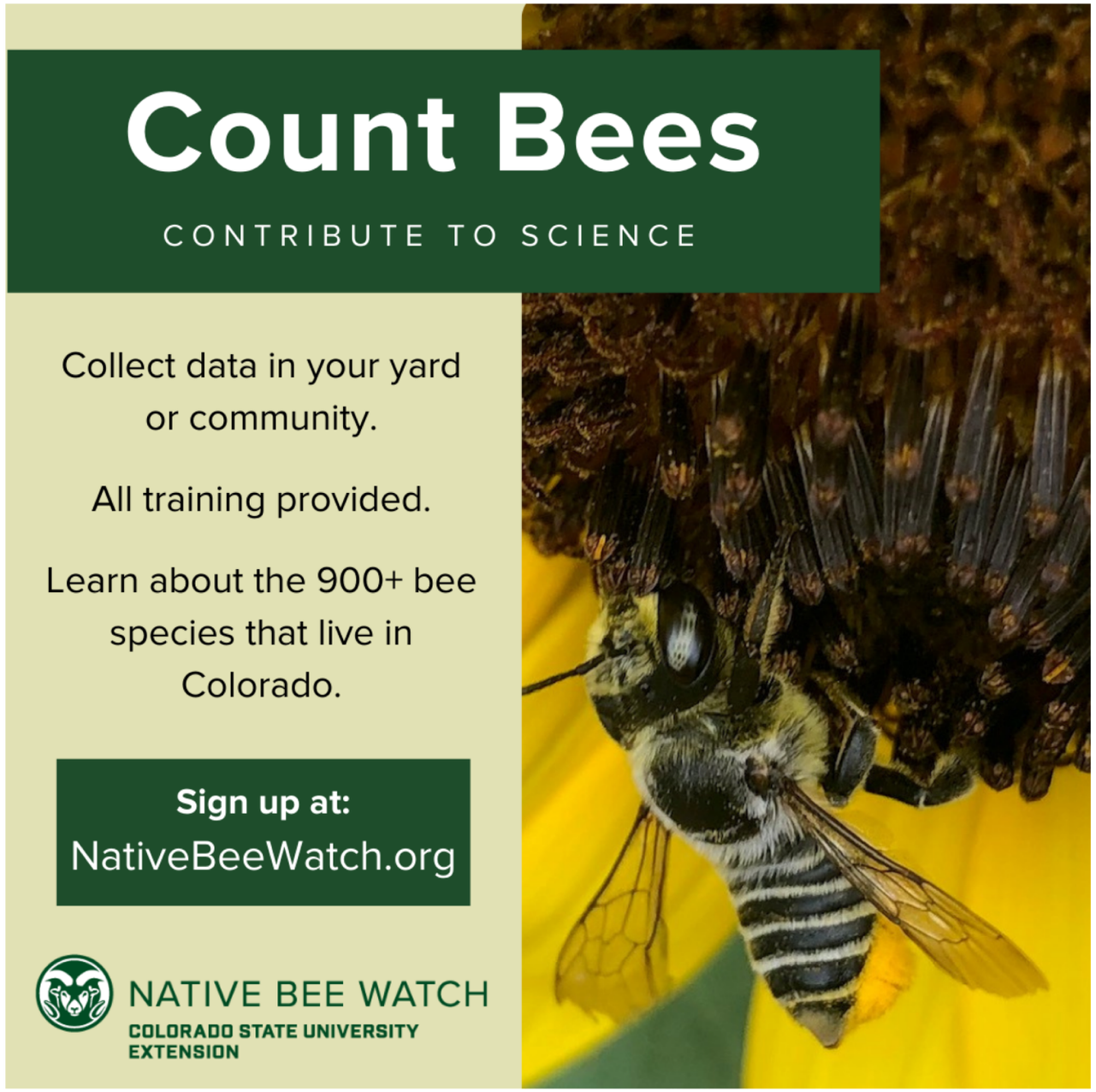

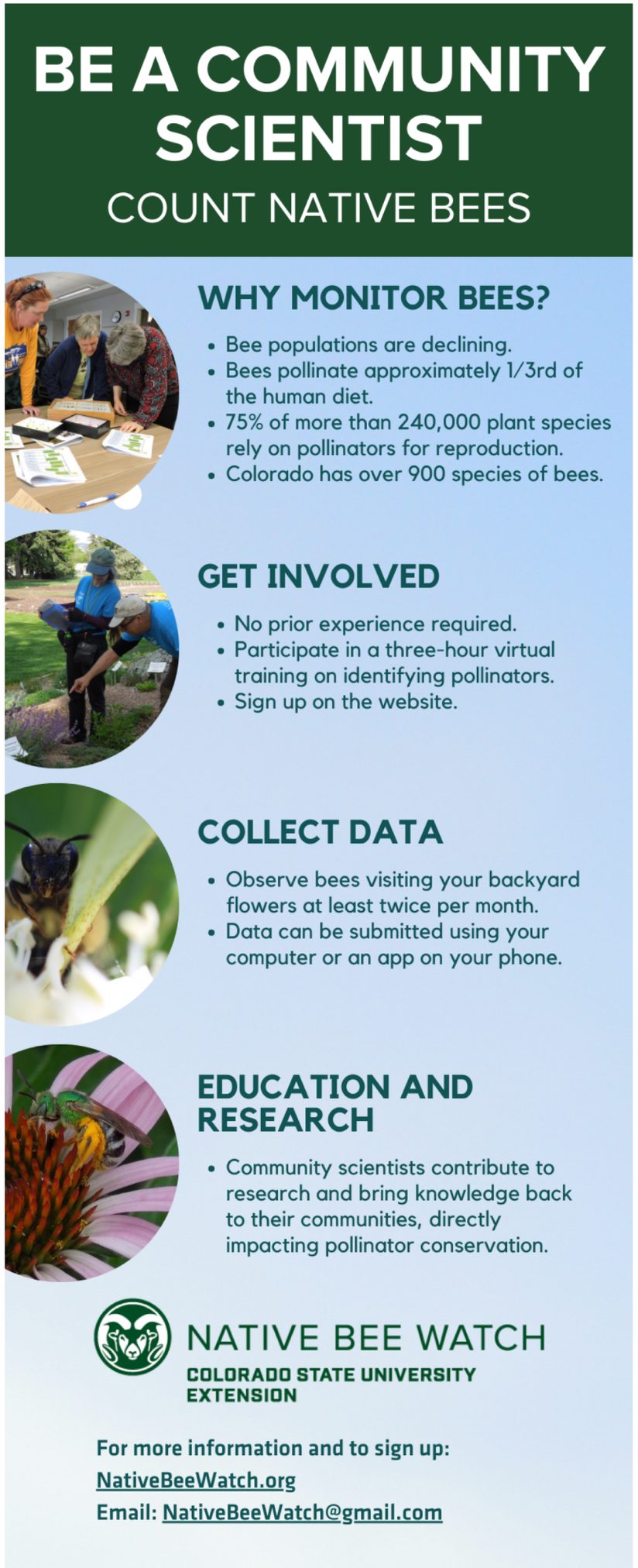

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