Empathy Map Canvas

📌 **Project:** Pollen's Profiling: Automated Classification of Pollen Grains

📄 **Document Type:** Empathy Map Canvas

👥 **User Persona:** Environmental/Agricultural Researchers & Healthcare Professionals

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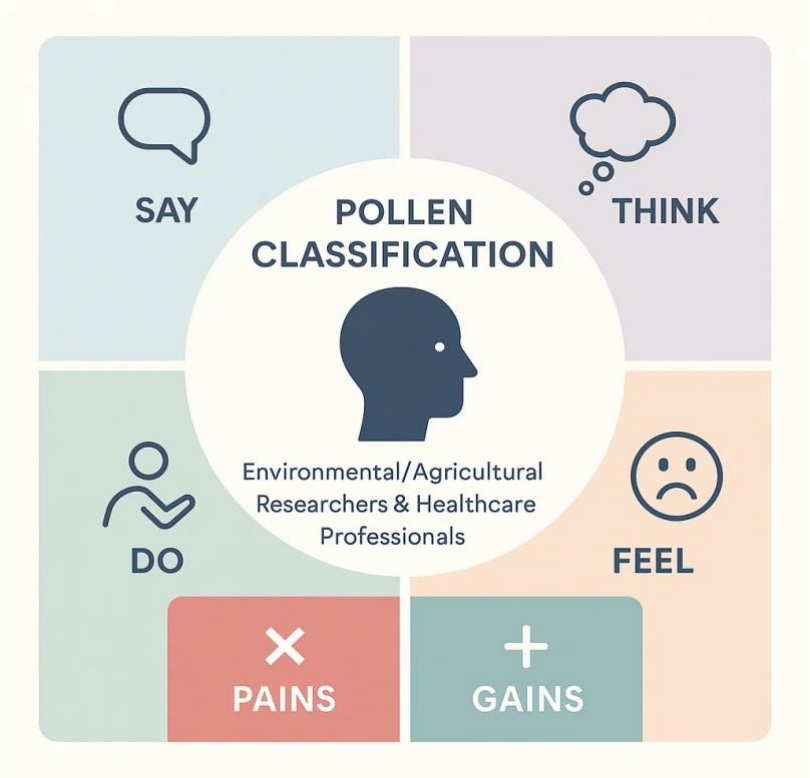

SAY

- “I need to identify pollen species faster for my field research.”
- “The manual classification process is too slow and prone to errors.”

- “If I could upload an image and get results instantly, that would be ideal.”

THINK

- “How accurate is this classification model?”
- “Can I rely on this for academic or clinical validation?”
- “Will the system handle rare or complex pollen types well?”

DO

- Capture or upload microscope images of pollen samples.
- Analyze model prediction via a web interface.
- Validate predictions against known datasets.

FEEL

- Frustrated with tedious manual classification processes.
- Hopeful about integrating AI tools in research workflows.
- Curious but skeptical of automated systems’ precision.

PAINS

- Lack of trained professionals for accurate manual classification.
- Inconsistencies in results from traditional methods.
- Time-consuming analysis in large-scale environmental studies.

GAINS

- Fast and consistent pollen identification.
- Enhanced research output with minimal effort.
- A scalable tool for medical and environmental monitoring.