

A monarch butterfly is perched on a cluster of pink milkweed flowers. The background shows a lush green field under a clear blue sky. The text is overlaid on a semi-transparent white box.

Automation and Scale for Capturing and Processing Remotely Sensed Data



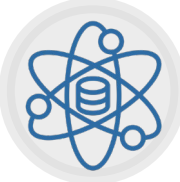
POLLI

CROWDSOURCED CONSERVATION

Automation and Scale for Capturing and Processing Remotely Sensed Data

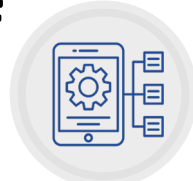
Data Considerations

Volume, Types, Insights



User Experience

Fly, Upload, Review



Future Proofing

Expectations and Needs



User Needs

What POLLi Does to Support a Full Solution

Models & Automation



- They Work
- Fast – 2mins/ac @ 100%
- Accurate
- Processing Speed
- Full Automation

User Experience

Data Associated with Project Area



Flight Boundary

Pick the area to fly, and the software defines the flight parameters & ties analytics results to this geo-location.



Launch the drone

Rapid data collection provides highly efficient time in the field.



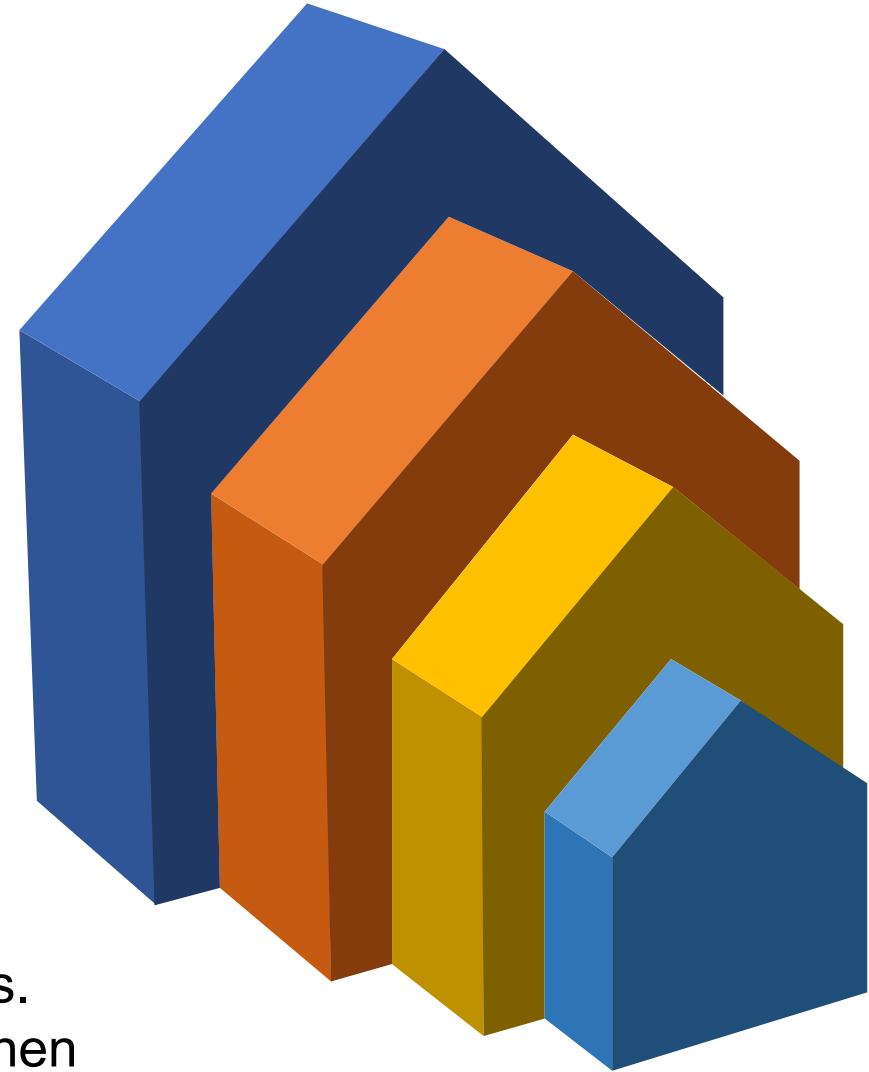
Data to the Cloud

Data is delivered to the cloud through the POLLi platform.

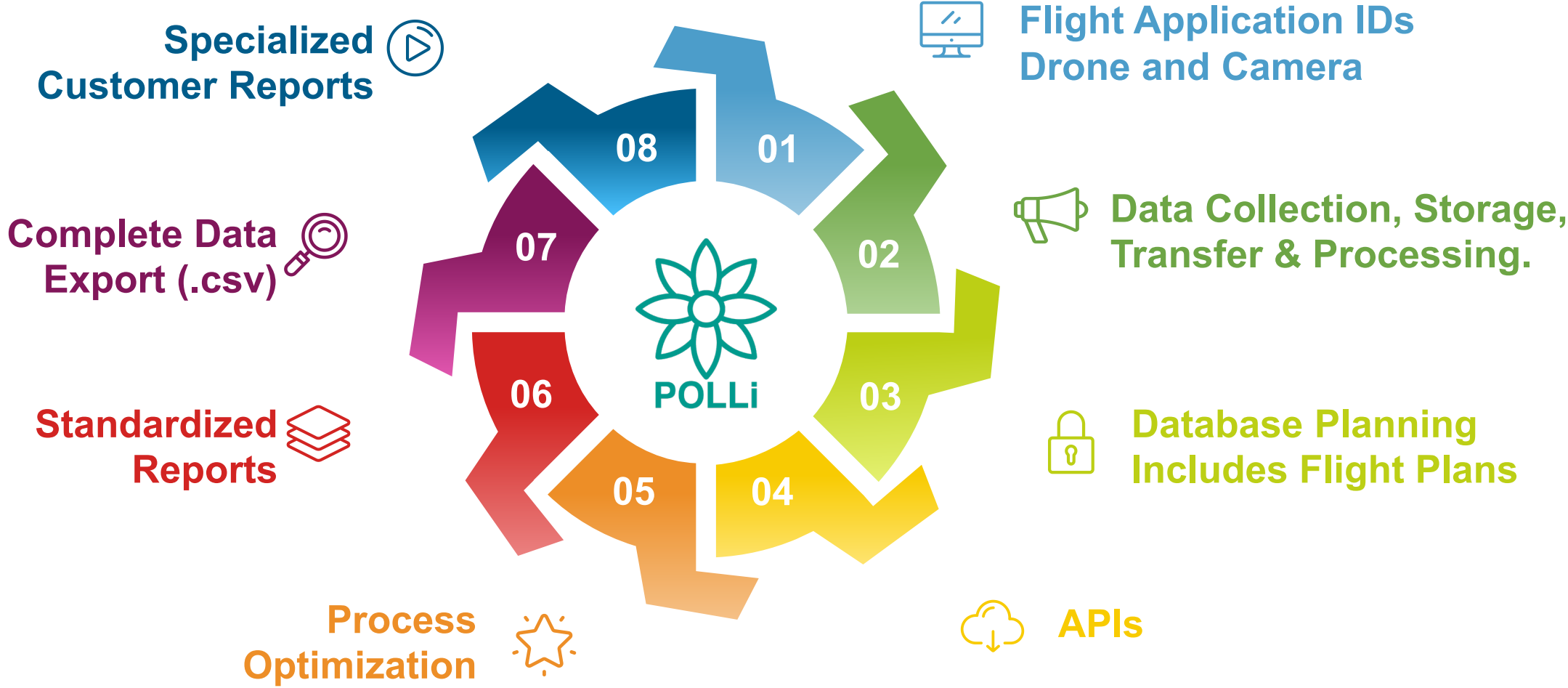


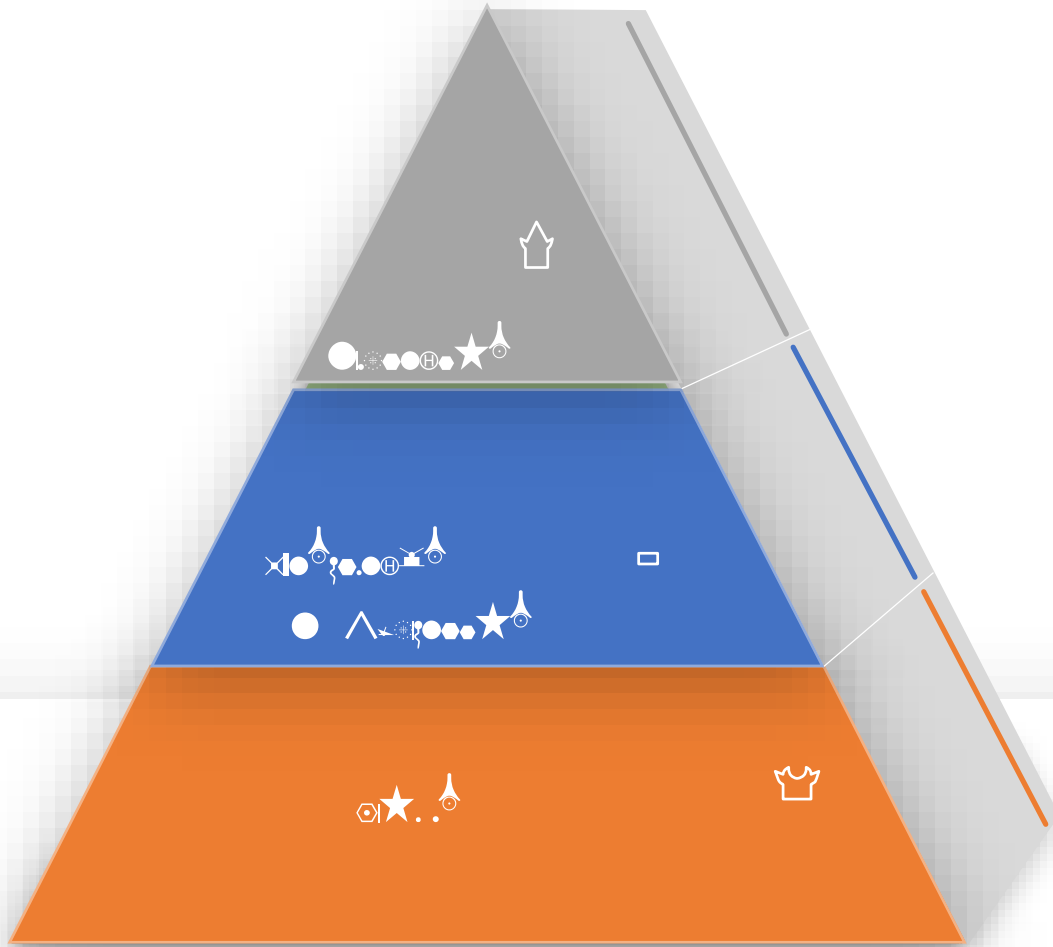
Analytics Results

Fully automated process. Results are delivered when processing is complete.



Customer Process & Output Requirements





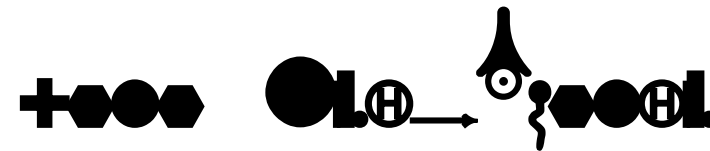
- Freedom to work with most GIS tools



- More Data Requires Greater Facilitation

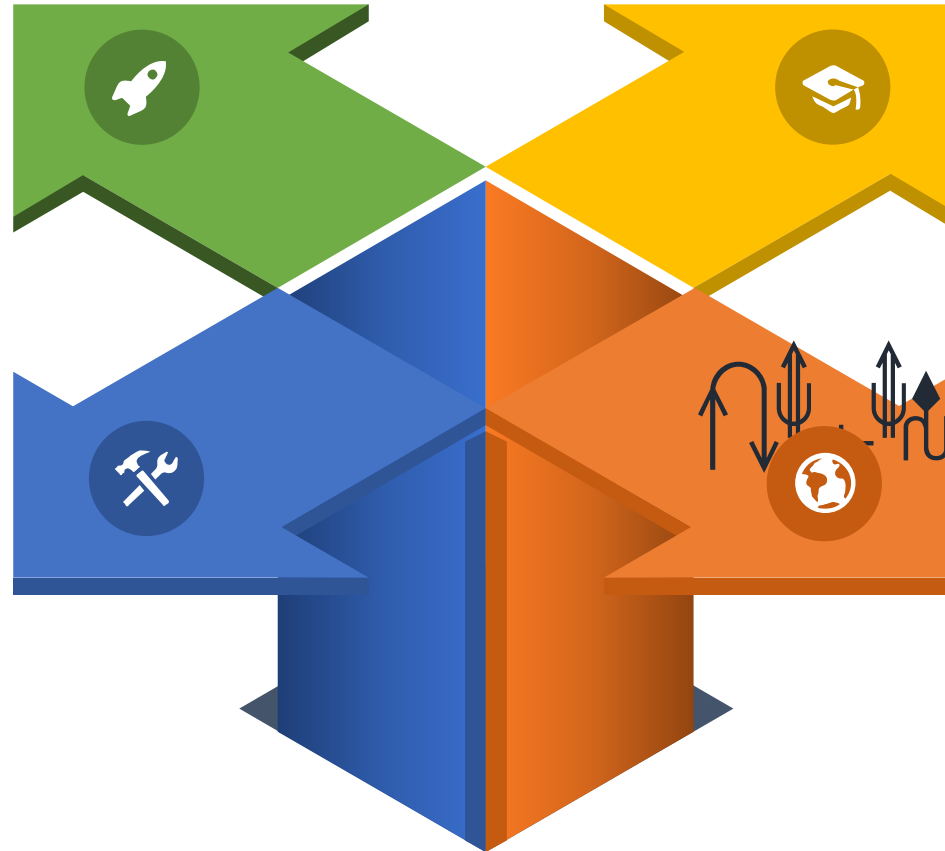


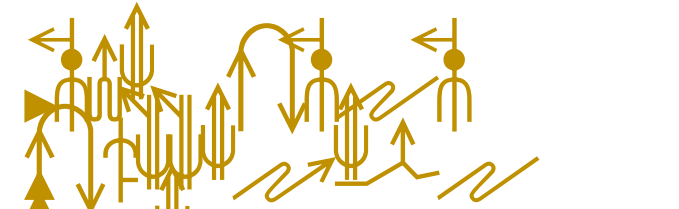
- Accessibility
- Greater Context
- Less time to collect more observations
- Contributes to better insight



Data Planning | GSD & Resolution


Standardized Flight Operations Improves Consistency




Fly for Milkweed and the same data can be used for Floral Resources analysis.


Standardized GSD contributes to model development and reuse


Reduced development from 36 months to 13 weeks

Future Proofing

Platforms & Sensors

DJI, Anafi, Sony
Airpeak Drone &
Cameras



New Protocols

Adaptable, New Data Fields,
Different Reporting

Models, Data Types, Functionality

- Invasives
- Multispectral
- Satellite
- Thermal



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