



Spheer

AI-powered monitoring

**Reliable monitoring
of nature, agriculture
and water.**

“The Spheer
App monitors
in minutes
what used to
take us months
before.”

Province of Groningen

Get the insights you need to
manage ecosystems, track
changes, and make informed
decisions—without the complexity.



How it works

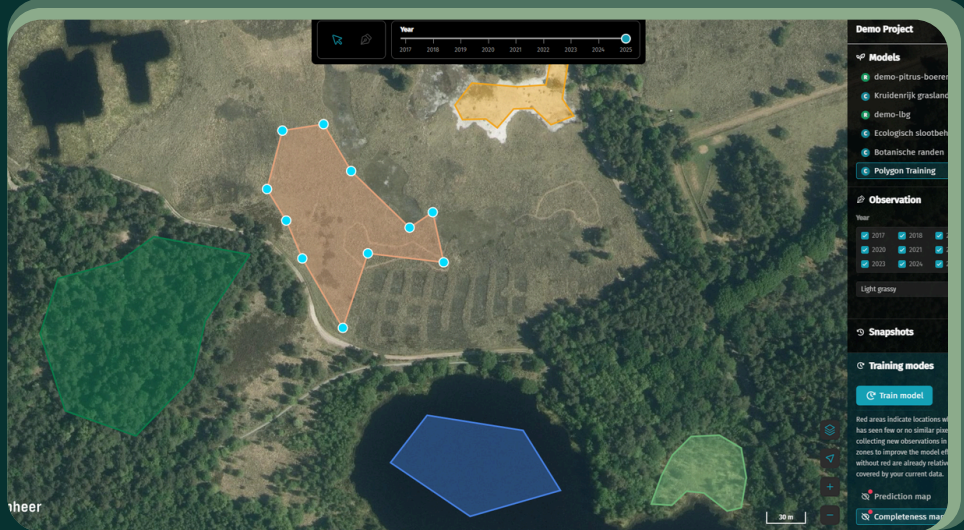
With just a few
observations, Spheer
can analyze vast
areas in one go.

- 1 Locate observations
- 2 Label them
- 3 Train your model
- 4 Review & refine
- 5 Make impact

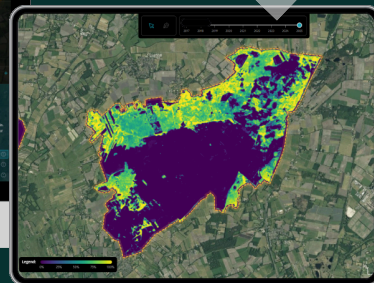
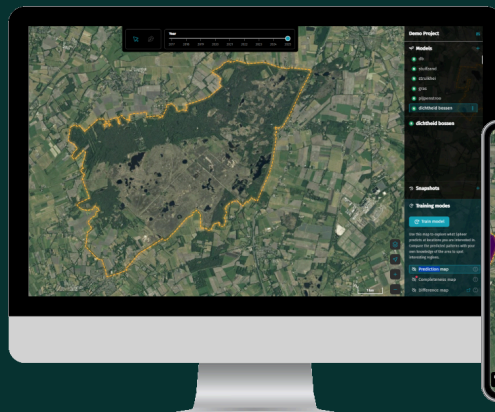
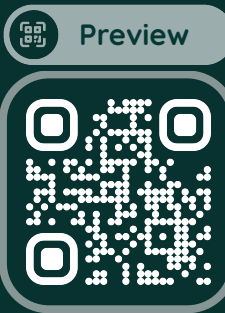


 **BOOK DEMO**

Spheer App



- ▼ **Locate** object examples
- ▼ **Label** them with polygons
- ▼ **Train** your model on the labels
- ▼ **Review** & refine
- ▼ **Export** your monitoring data



Why Spheer

The Spheer Platform

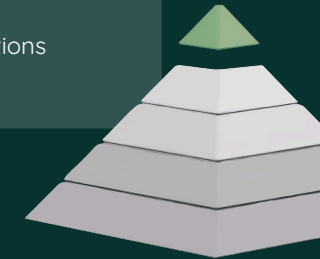
- **Flexible** use
- **Scalable** monitoring
- **Simplified** UI
- **Accurate** predictions
- **Stable** trends

Your Use Case

Your own monitoring tool; created in hours, trained in minutes.

Foundation Model

Years of training on Sentinel 2 satellite imagery, forms the bedrock of your project.



Monitoring Models



Classification

...categorizes areas into distinct classes, such as different vegetation types, soil types, or land use categories. The model will assign each pixel to one of the defined classes.

Regression

...predicts a continuous value, such as the degree of vegetation cover. The model will provide a percentage (0% to 100%) for each pixel within your area of interest.

Detection

...searches for one or multiple objects such as a boat, vehicle or building. The model will produce bounding boxes isolating the various objects, and label them according to class.

Monitoring Applications

Overview mapping

The app easily identifies various classes of objects across large areas for overview, of e.g. dominant vegetation or structure types.

Object detection

By providing a mere handful of examples, the app can identify a wide range of objects.

Mutation detection

As the Spheer foundation model monitors objects across time, it can also expose mutations.

Trend analysis

Monitoring land- and seascape objects, and the mutations therein, allows for analysis of change trends.

Monitoring Objects



Use Cases



Deforestation



Dune evolution



Invasive species



Coastal biodiversity management



Grassification of heathlands

Impact

95%

Time saved when analysing large areas

100x

Fewer examples needed for reliable monitoring

10

Minutes to create a usable map instead of weeks

6-12x

More frequent monitoring on the same budget

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provincie Drenthe



