Intelligence for the Insurance Sector

Trusted geospatial data. Intelligent automation. Faster, more confident decisions.



Unlocking property intelligence at scale

Bluesky's GeoAI services combine advanced artificial intelligence with high-resolution aerial imagery, height data, and environmental datasets to turn complex geospatial information into decision-ready insight.

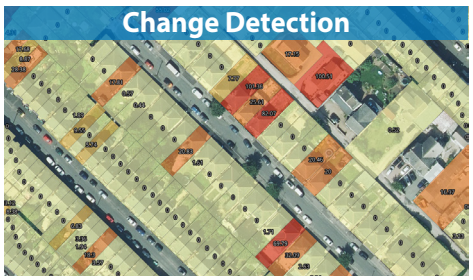
Designed for insurance organisations, our approach helps automate feature extraction, detect change, and screen risk consistently across single sites, portfolios, and national datasets.

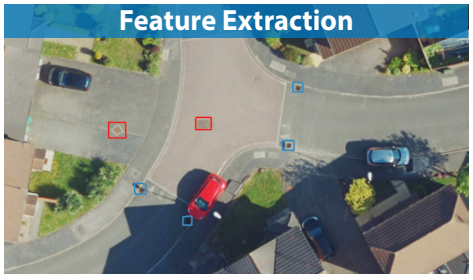
Why it matters

Insurance teams need fast, reliable intelligence about buildings, land, vegetation and environmental risk. GeoAI reduces manual interpretation, improves consistency, and helps surface the insight needed for valuation, underwriting, claims review, portfolio monitoring, and risk modelling.

GeoAI can:

- Assess exposure to property, environmental, subsidence, flood, fire, storm, and vegetation-related risk.
- Support underwriting, claims context, and evidence-led risk decisions at scale.







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A flexible GeoAI service model

Choose the level of support that fits your ambition from trusted source data to a fully managed GeoAI workflow.

- **Data:** National aerial photography, height models, and environmental datasets.
- **Labels:** AI-ready annotation and expert verification to support model training.
- **Models:** Bespoke models aligned to defined customer use cases.
- **Full service:** End-to-end delivery from data and labelling through to actionable outputs.





Insurance applications

For insurers, brokers, loss adjusters, and risk teams, GeoAI provides scalable location intelligence to support underwriting, claims review, exposure analysis, and proactive risk management.

- **Property risk assessment:** Review building context, vegetation proximity, surface cover, access, and surrounding land use.
- **Claims context:** Compare multi-epoch imagery to understand visible change before and after an event.
- **Tree-related exposure:** Analyse canopy extent and proximity to structures to support storm, subsidence, and maintenance risk assessment.
- **Exposure screening:** Identify patterns, outliers, and areas requiring further specialist review.

High-impact use cases

Use case	Value
Change detection	Identify development, surface change, vegetation loss, and other visible change over time.
Feature extraction	Detect buildings, roof features, external structures, hardstanding, and site characteristics.
Vegetation intelligence	Analyse tree cover, canopy extent, and property proximity using trusted environmental datasets.
Risk screening	Apply repeatable analysis across sites, portfolios, or regions to support prioritised decisions.

Why Bluesky?

Bluesky's GeoAI services are built on proprietary, high-quality geospatial datasets, and deep domain expertise, giving customers a trusted foundation for practical, scalable AI adoption.

- **Trusted data:** High-resolution, nationally consistent imagery and geospatial datasets.
- **Practical AI:** Workflows designed around real property and insurance use-cases.
- **Flexible delivery:** Support for data, labels, models, or full-service outputs.
- **Scalable insight:** Repeatable analysis for single sites, portfolios, regions, or national coverage.

Get in touch today at **info@woolpert.com**

At the time of publication all of the information was correct but could be subject to change.

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