ASL Environmental Sciences is proud to announce our new wide area satellite monitoring service called DeCAF, for Detection and Classification of Anomalous Features. DeCAF is a turnkey wide area monitoring service based on detecting and classifying changes in satellite imagery.

We are pleased to offer both:

- Historical landscape change analysis (since 1984)

- Continuous monitoring and alerting

DeCAF uses advanced Machine Learning and Artificial Intelligence (ML/AI) techniques to process free and/or commercial satellite data and find changes to the landscape. Customizable alerting keeps you up to date on the latest changes in your region of interest. DeCAF is massively scalable, making it suitable for applications from municipality to nationwide scales. A variety of optical and radar sensing options are available. DeCAF can detect both human disturbances (e.g., logging, urban development, mining, and roads) and natural phenomena (e.g., fires, flooding, washouts, and landslides).
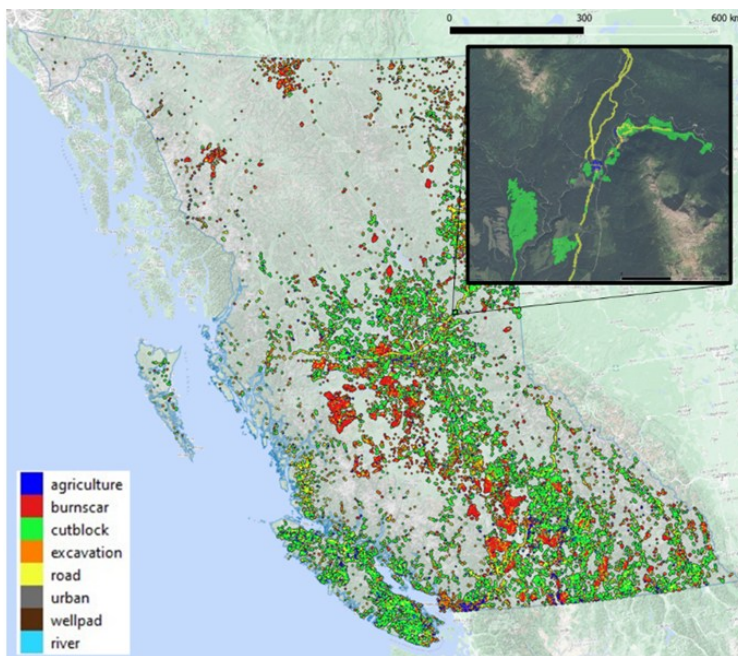

Figure: DeCAF changes detected and classified over British Columbia from 2019-2023. The inset shows detailed detection of the Coastal Gaslink Pipeline construction.

Application areas include:

- Conservation and Land Management

- Defence and Security

- Environmental Monitoring

- Natural Disasters

- Remote Infrastructure

- Compliance

For more information, visit www.aslenv.com/decaf or contact:
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