



SKYVIEW SOLUTIONS

SATELLITE, AERIAL & LAND IMAGING SERVICES

SATELLITE & AERIAL IMAGING SERVICES

SATELLITE IMAGE ANALYSIS

SkyView Solutions can provide a high level of expertise in the analysis and interpretation of digital satellite imagery and aerial photography. Our team has extensive experience in the use of optical and radar imagery for solving problems. Using our scene modelling approach we can advise on the best type of satellite imagery to use for your application.



We have direct experience in the use of multispectral satellite imagery for the assessment of broadacre crop health, for native vegetation classification and mapping, and for bushfire and firescar mapping. In these applications we have successfully used Landsat, SPOT, ASTER, QuickBird, IKONOS and WorldView2 imagery.

We have used radar imagery (JERS, ENVISAT, ALOS/PALSAR) for mapping post-cyclone vegetation damage in both cultivated and natural vegetation areas. We have used radar and optical imagery for mapping coastal vegetation and vegetation clearance rates in Thailand.

Finally, we are currently using radar for mapping native vegetation and land cover change in Papua New Guinea.

EMERGING TECHNOLOGY

The use of small Unmanned Aerial Systems (UASs) is an important emerging technology for primary producers and resource managers. SkyView Solutions has experience with fixed-wing UAS operation in a wide range of conditions using both colour and near-infra-red (NIR) photography. We specialise in UASs that can be operated in crops and from small, unprepared landing zones.



Small UASs have several advantages over conventional aerial photography and satellite imaging. UAS imagery is available on-demand, full ground coverage free of cloud is guaranteed, and most importantly UASs can obtain ultra-high resolution images – 2cm ground resolution is possible if required. One advantage over satellite remote sensing is that there are no minimum area requirements for obtaining imagery.

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