

# Leveraging Artificial Intelligence To Create Global HD Vector Maps

Ecopia Global Feature Extraction (GFX) Powered by European Space Imaging is a unique partnership that utilises the freshest, highest quality satellite imagery along with the most advanced artificial intelligence from [Ecopia.AI](#) (Ecopia) to offer accurate geospatial feature extraction at continent-wide scale. It takes away the challenge of obtaining up to date VHR imagery and manually creating polygons by hand – both of which are labour intensive and can be quite costly. With 13 core features eligible for extraction, users receive comprehensive, up-to-date and accurate land cover maps with zero in-house GIS work and with automation-level speed and efficiency.

In this GEOSeries episode, [Ecopia](#) and [European Space Imaging](#) will discuss the many benefits of GFX and the solutions it provides. From land-cover capabilities for maintaining smart city digital twins, impervious surface mapping for water drainage assessment, detecting and analysing urban sprawl and flood risk modelling, and the software's newest application – solar panel identification to aid tax rebates and provide accurate assessments for insurance purposes. Highlighting real use cases to demonstrate the power of these datasets, we will dive deeper into the software and how both government and commercial customers can benefit from this advanced product.

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<https://www.gim-international.com/video/leveraging-artificial-intelligence-to-create-global-hd-vector-maps-2>

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