



Leapfrog 2025.2 Release Notes

Leapfrog 2025.2 delivers a major advancement in the value that geoscientists can derive from core images at every stage of modelling.

A significantly improved integration with Imago allows for quicker access to core imagery directly in Leapfrog, supporting faster modelling decisions without the need to switch between applications or import any data. Spatial context is also given to the core images through the in-scene highlighting of the related drilling intervals.

Leapfrog continues to strengthen its cloud-integrated capability. For the first time, we have introduced on demand data streaming where high-resolution images are streamed from Imago into Leapfrog as needed. Image data is cached outside of the Leapfrog project file, eliminating the project bloat that occurred when images were imported. Previously viewed images load in lightning-fast due to the dynamic local image cache.

Imago's advanced Image Analysis using machine learning further enhances the insights that can be gained from core imagery using Leapfrog, with features such as dominant colour intervals or AutoCrop for linearised downhole reconstruction.

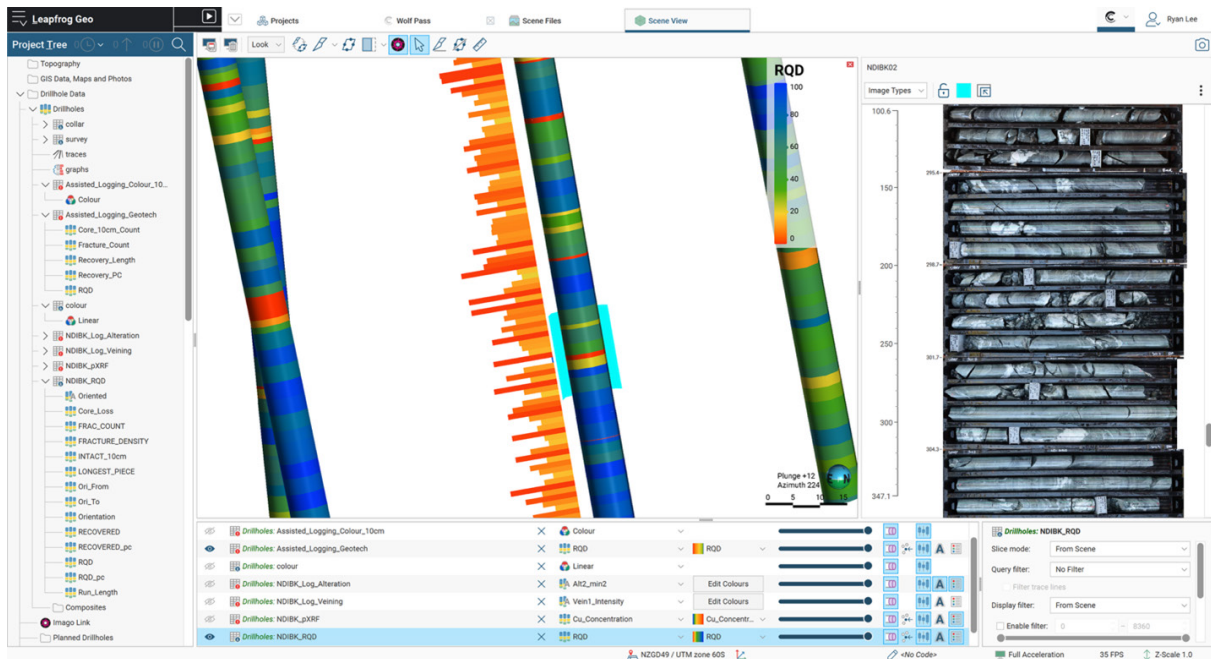
Leapfrog 2025.2 delivers a seamless workflow with Imago, saving time and helping build better models by making the most of your image data.

1. Features and Functionality

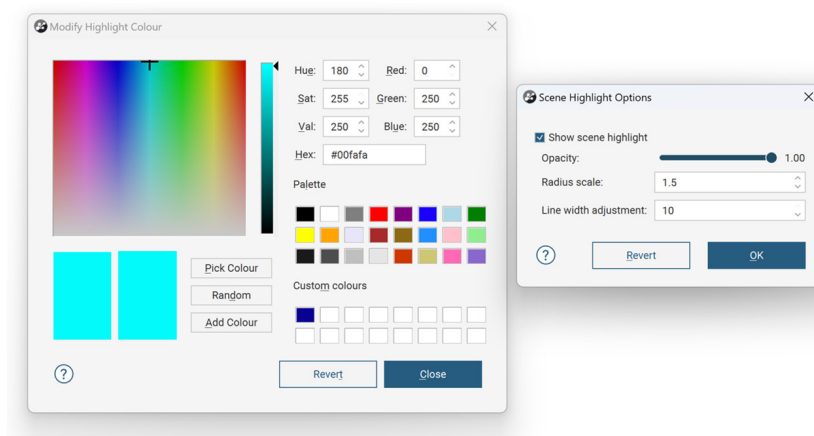
1.1. Leapfrog-Imago Image Streaming

Core images are often underutilised during modelling, despite being immensely beneficial for checking of logging, validating assays, identifying model contacts, and extracting of geological information (texture, colour, mineralogy, lithology, alteration, or structure etc). Leapfrog 2025.2 now enables core imagery to be viewed rapidly and easily from within the geological modelling environment, allowing much more value to be extracted from this data.

This ease of access to core imagery from Imago speeds up the modelling process and, when coupled with Imago's advanced Image Analysis, delivers maximum insights by transforming image data into knowledge.

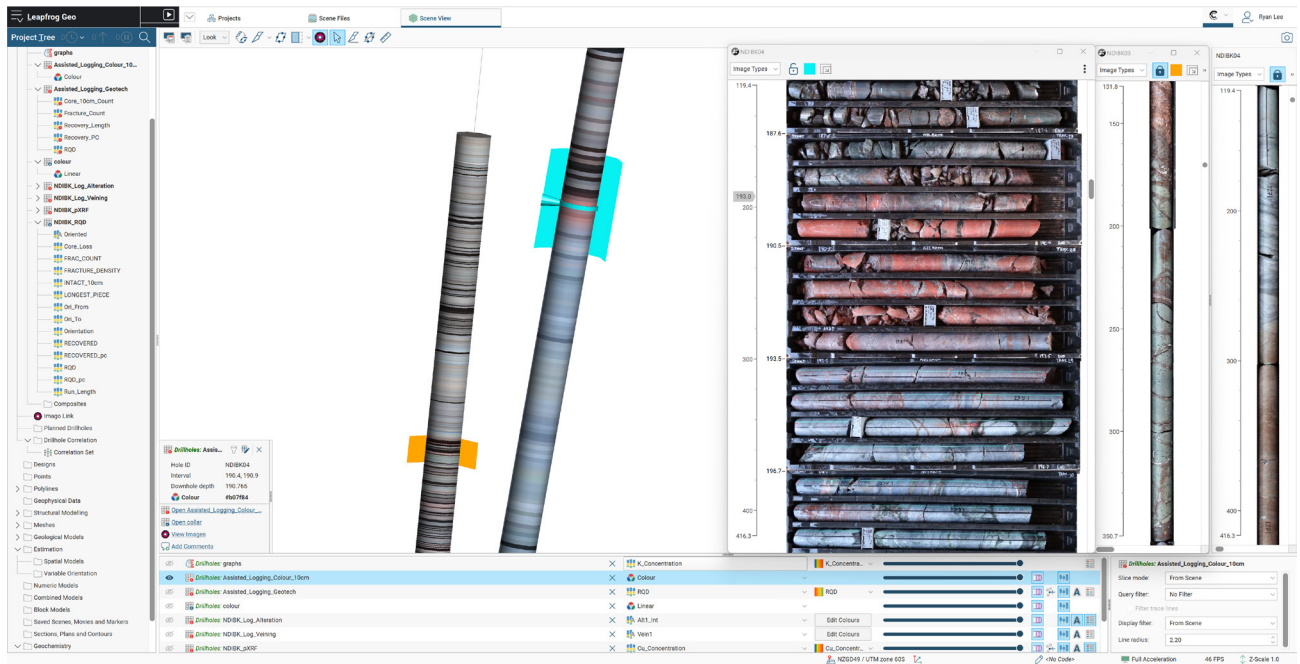


The integrated Imago panel streams images from the cloud directly within Leapfrog without needing to open any external links. Multiple imagery types can be visualised and compared at the same time, including wet and dry core photos or hyperspectral images and mineral maps from core scanning. The in-scene highlight provides spatial context to the imagery as it is being viewed. The highlight visibility can be customised in several ways including scale, opacity, colour, and visibility.



Powered by Imago's machine learning, the core photos can be depth registered to provide more accurate depths. Additionally, Imago's AutoCrop can be used to create a downhole reconstructed view so that core can be viewed as it was in-situ.

Imagery can be visualised at multiple scales, maintaining the wider spatial context at model scale while still being able to see finer geological details within the core imagery at a finer scale. Multiple Imago image streaming panels can also be opened, allowing for the highlighting or correlation of key features spanning multiple photos or holes. When paired with an Imago dominant colour drilling interval table, colour changes as a result of different lithologies or alteration can easily be identified in the 3D scene, with the core imagery opened in a single click.



Imago Connection Endpoints

To use the Imago Image streaming you may need to allow connectivity to the required domains. Please refer to: <https://www.seequent.com/help-support/for-it-administrators/domain-allowed-list/>

Image Reference

Image dataset sourced from the East Tennant National Drilling Initiative (<https://www.eftf.ga.gov.au/east-tennant-national-drilling-initiative>) by Geoscience Australia which is © 2024 Commonwealth of Australia and is provided under a Creative Commons Attribution 4.0 International Licence and is subject to the disclaimer of warranties in [section 5](#) of that licence.