



Exploitation et valorisation des images Pléiades NEO avec ArcGIS

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Esri / Esri France



**Leader
du
marché**

9 400
employés

90
Distributeurs
Esri dans le
monde

1 900
partenaires

25 000
personnes
formées
chaque
année

>1 million
Utilisateurs
(350 000 clients)

27 % du CA investi en R&D chaque année



Distributeur Exclusif
Société française

**Logiciels
Support
Données
Services**

250
employés

55+ M€ CA

7
implantations
en France
Distribution
sur **10** pays
d'Afrique
francophone

>40
partenaires

>1500
personnes
formées
chaque
année

>15 000
sociétés clientes
CA 2018 > 47 M€
CA 2019 > 49 M€





Collectivités territoriales,
Etats & Administrations



Transport & Logistique



Banque, Assurance,
immobilier



Défense & Sécurité
Nationale



Sécurité civile

Ingénierie

BTP

Télécommunications



Production de données
& Cartographie



Ressources naturelles
& Biodiversité



Education & Recherche



Santé & Social



Commerce

Les SIG dans tous vos métiers

Pour répondre à vos spécificités

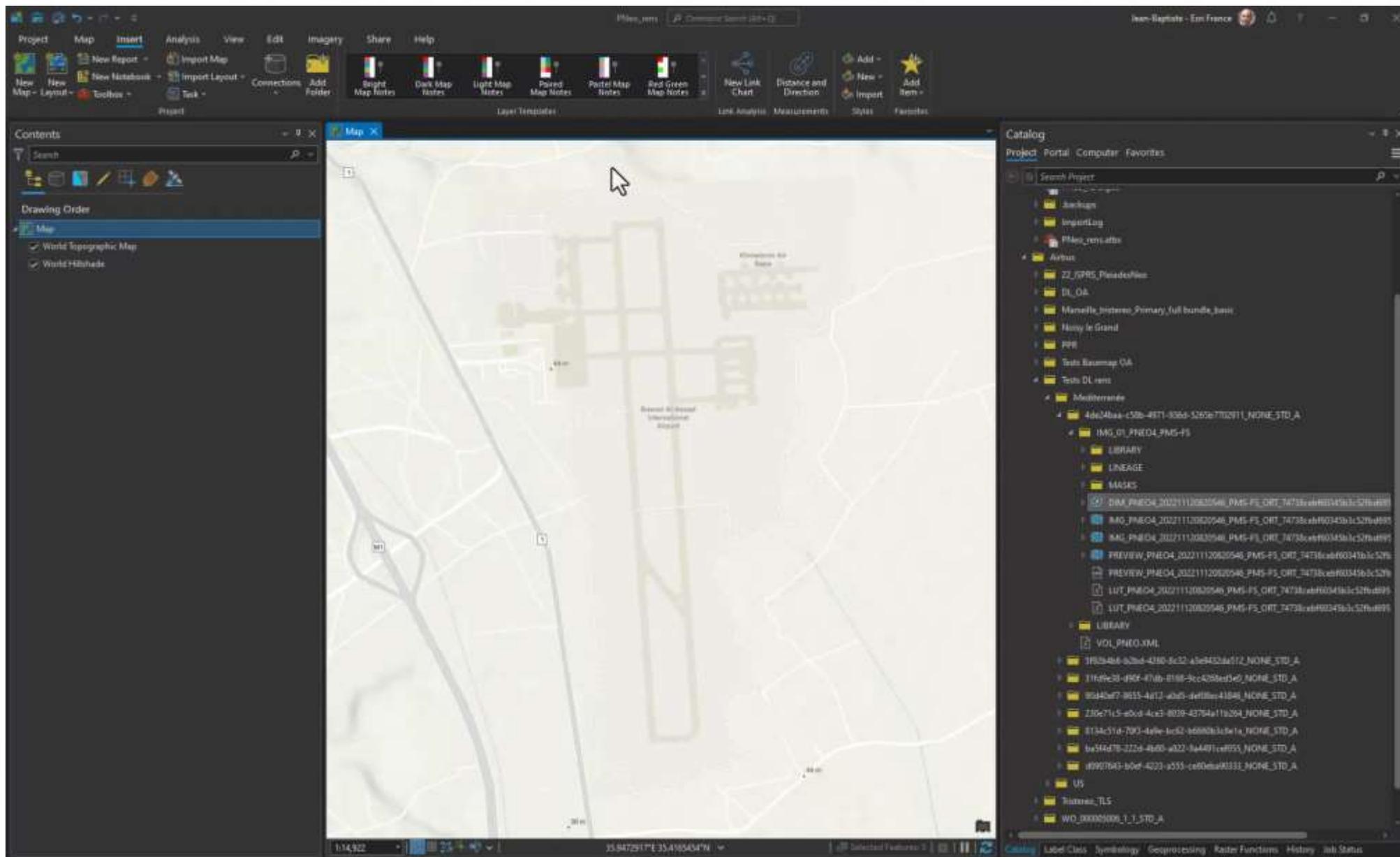


ArcGIS, un système d'imagerie





Intégration des images PNEO



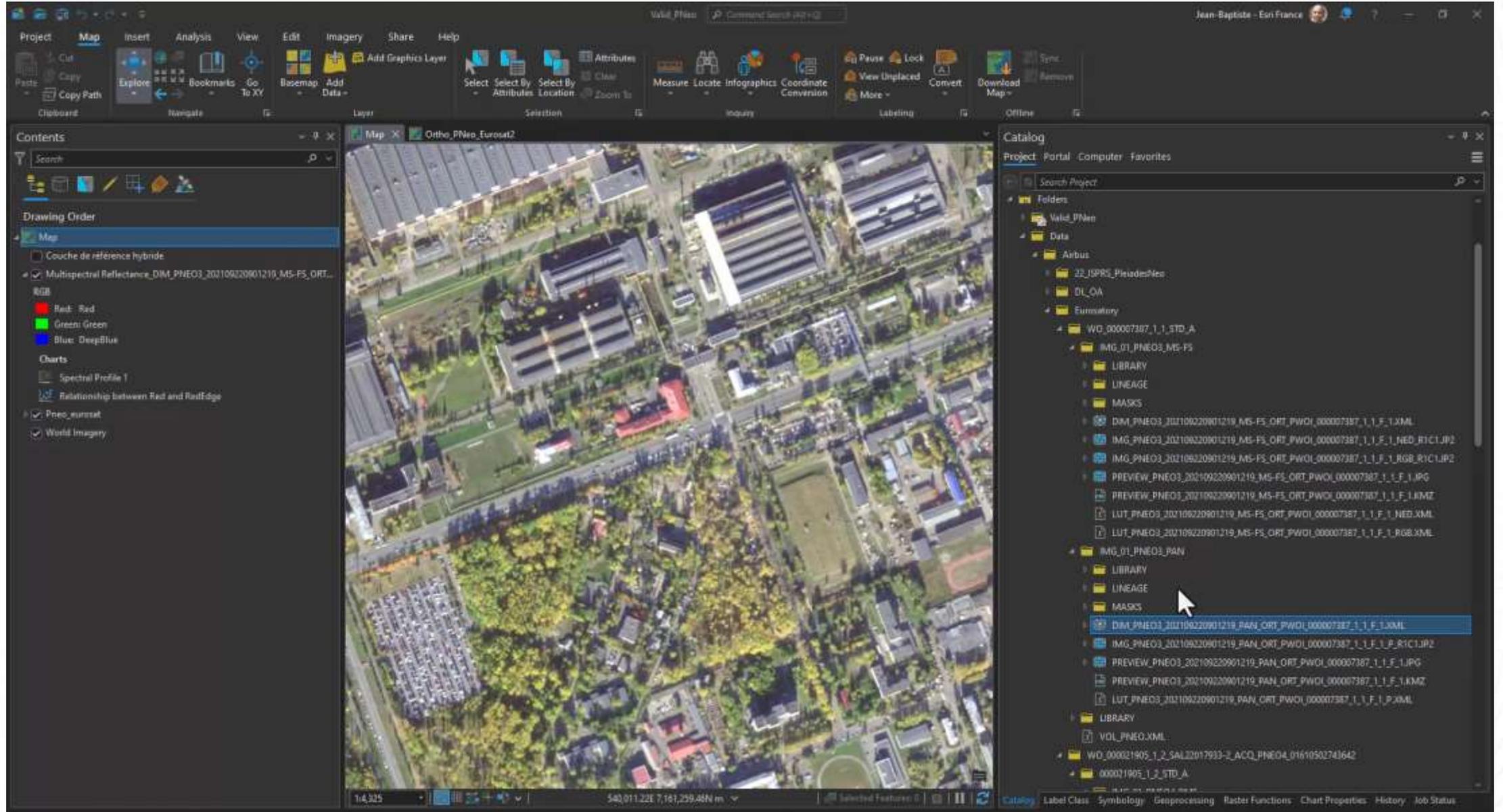
The screenshot displays the ArcGIS Desktop interface with the following components:

- Top Ribbon:** Project, Map, Insert, Analysis, View, Edit, Imagery, Share, Help. The Imagery tab is active, showing options for map styles (Bright, Dark, Light, Paired, Poster, Red Green) and tools like New Link Chart, Distance and Direction, Add, New, and Add Item.
- Left Panel (Contents):** Shows the Drawing Order with 'Map' selected. Below it, 'World Topographic Map' and 'World Hillshade' are listed.
- Center Map:** Displays a topographic map of an industrial area with a mouse cursor pointing to a specific location.
- Right Panel (Catalog):** Shows a project catalog with a tree view. The 'Mediterranée' folder is expanded, showing a sub-folder '4dc34baa-c50b-4871-836d-5265e7702f11_NONE_STD_A'. Inside this folder, the 'LIBRARY' sub-folder is expanded, listing several PNEO image files:
 - IMG_PNEO4_202211120820546_PMS-FS_ORI_74738c4bf60345b3c526d4895
 - IMG_PNEO4_202211120820546_PMS-FS_ORI_74738c4bf60345b3c526d4895
 - IMG_PNEO4_202211120820546_PMS-FS_ORI_74738c4bf60345b3c526d4895
 - PREVIEW_PNEO4_202211120820546_PMS-FS_ORI_74738c4bf60345b3c526d4895
 - PREVIEW_PNEO4_202211120820546_PMS-FS_ORI_74738c4bf60345b3c526d4895
 - LUT_PNEO4_202211120820546_PMS-FS_ORI_74738c4bf60345b3c526d4895
 - LUT_PNEO4_202211120820546_PMS-FS_ORI_74738c4bf60345b3c526d4895

- Bottom Status Bar:** Shows coordinates (1:14,922; 35.9472917°E 35.4180434°N) and other application details.



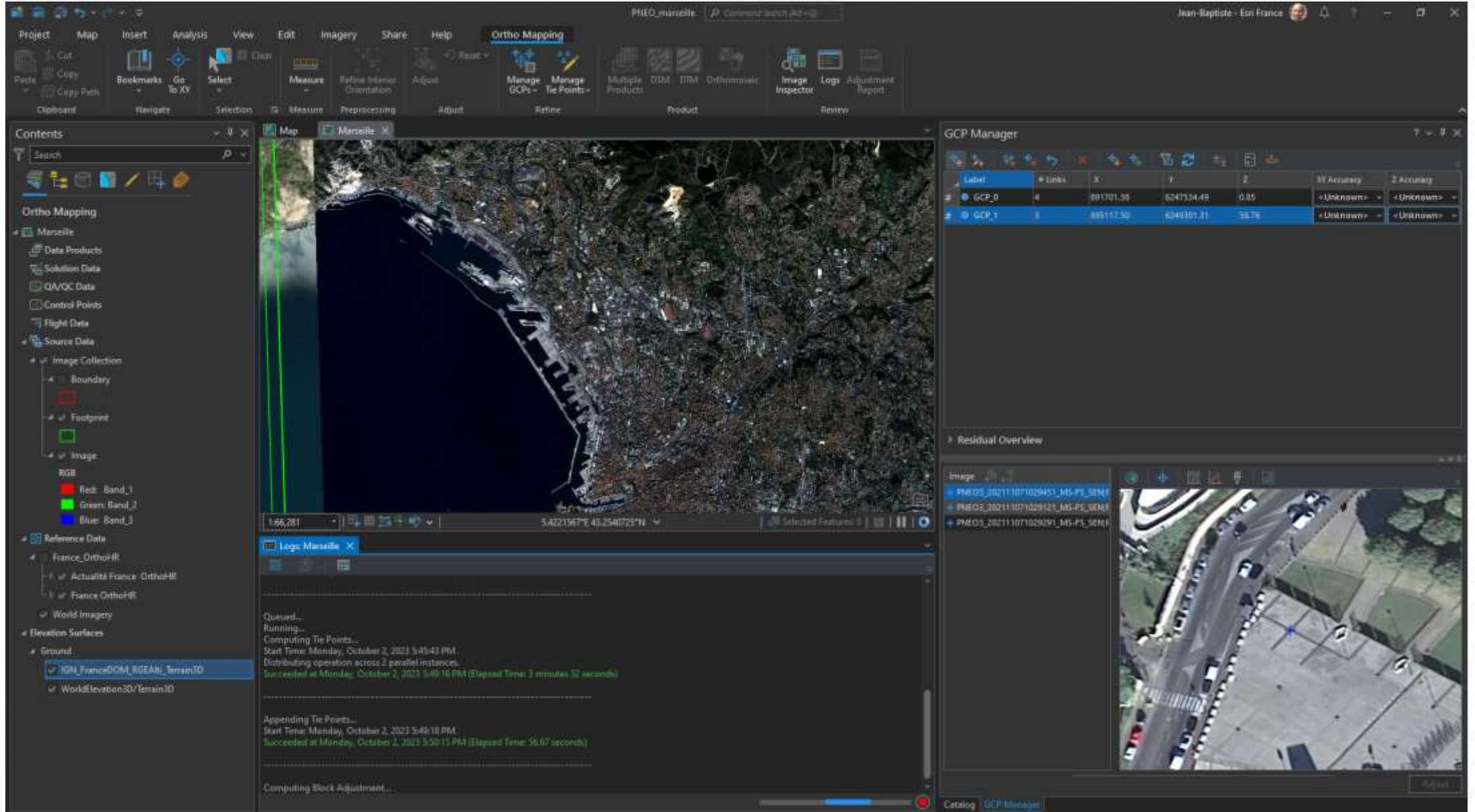
Traitement géométrique – Pansharpning



The screenshot displays the ArcGIS Pro interface during a panning operation. The main map area shows a satellite image of a city with buildings, roads, and green spaces. The interface includes a ribbon with various toolbars (Project, Map, Insert, Analysis, View, Edit, Imagery, Share, Help) and a Catalog pane on the right. The Catalog pane shows a tree view of project data, with the file 'DIM_PNEO3_202109220901219_PAN_ORI_PWOI_00007387_1_1_F_1.XML' selected. The Contents pane on the left shows the layer 'Ortho_PNeo_Eurosat2'.



Traitement géométrique – Reconstruction 3D



Ortho Mapping

Contents

- Ortho Mapping
 - Marseille
 - Data Products
 - Solution Data
 - QA/QC Data
 - Control Points
 - Flight Data
 - Source Data
 - Image Collection
 - Boundary
 - Footprint
 - Image
 - RGB
 - Red: Band_1
 - Green: Band_2
 - Blue: Band_3
 - Reference Data
 - France_OrthoHR
 - Actualité France_OrthoHR
 - France_OrthoHR
 - World Imagery
 - Elevation Surfaces
 - Ground
 - IGN_FranceDOM_RGEAlt_Terrain3D
 - WorldElevation30/Terrain3D

GCP Manager

Label	Links	X	Y	Z	X Accuracy	Z Accuracy
GCP_0	4	801701.55	6247534.48	0.85	<Unknown>	<Unknown>
GCP_1	3	895117.50	6348101.11	38.76	<Unknown>	<Unknown>

Residual Overview

- Image:
 - PNEO3_202111071029451_MS-FE_SENI
 - PNEO3_202111071029121_MS-FE_SENI
 - PNEO3_202111071029291_MS-FE_SENI

Logs: Marseille

Queued...

Running...

Computing Tie Points...

Start Time: Monday, October 2, 2023 5:45:43 PM

Distributing operation across 2 parallel instances.

Succeeded at Monday, October 2, 2023 5:49:16 PM (Elapsed Time: 3 minutes 32 seconds)

Appending Tie Points...

Start Time: Monday, October 2, 2023 5:49:18 PM

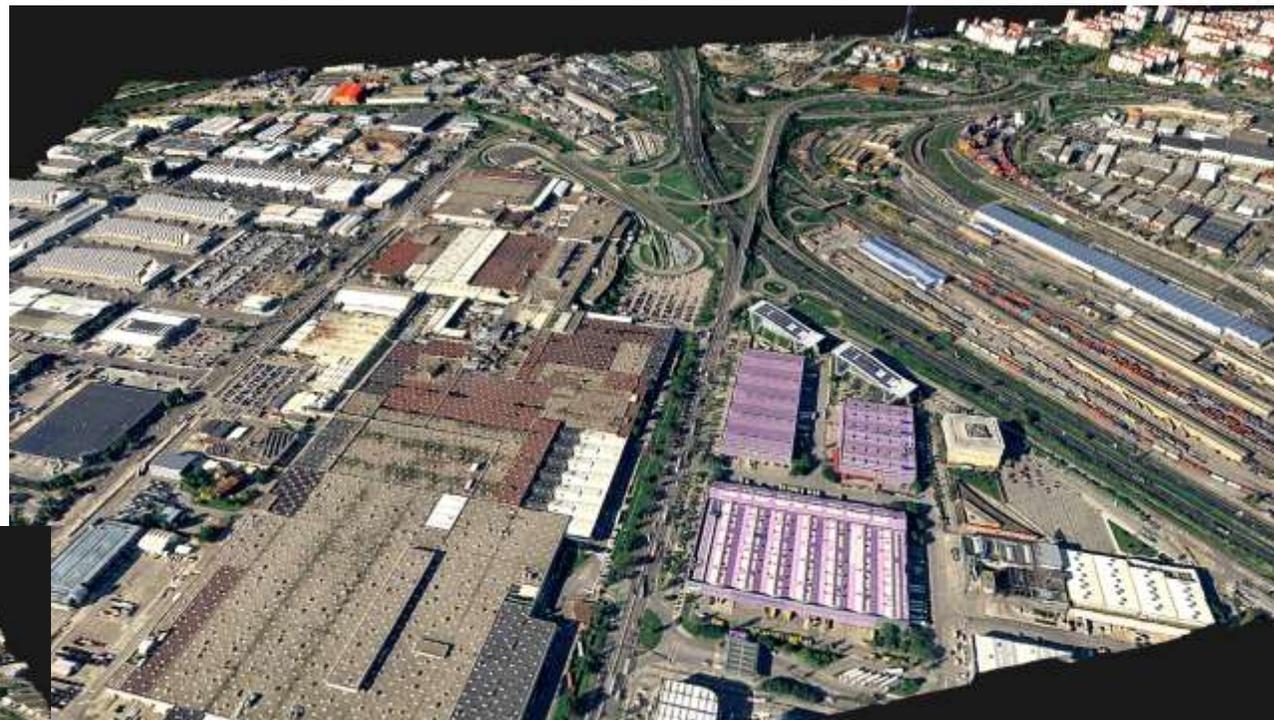
Succeeded at Monday, October 2, 2023 5:50:15 PM (Elapsed Time: 56.67 seconds)

Computing Block Adjustment...



Traitement géométrique – Reconstruction 3D

MNT/MNS
Ortho-image
Ortho vraie
Maillage 3D texturé





Analyse spectrale

The screenshot displays the ArcGIS Pro interface for spectral analysis. The main map area shows a multispectral satellite image of an urban area with a river. The interface includes a ribbon menu at the top with tabs for Project, Map, Insert, Analysis, View, Edit, Imagery, and Share. The Contents pane on the left shows the layer 'Pneo_aurosat' with a drawing order of Boundary, Footprint, and Image. The Catalog pane on the right shows a project catalog with folders for 'LIBRARY' and 'VOL_PNEO.XML', and a list of files including 'DIM_PNEO4_202206121050274_PMS_SEN_PW01_000021905_1_2_F_1.XML', 'IMG_PNEO4_202206121050274_PMS_SEN_PW01_000021905_1_2_F_1_RGBN_R1C1.JPG', 'PREVIEW_PNEO4_202206121050274_PMS_SEN_PW01_000021905_1_2_F_1.JPG', 'PREVIEW_PNEO4_202206121050274_PMS_SEN_PW01_000021905_1_2_F_1.KMZ', 'LUT_PNEO4_202206121050274_PMS_SEN_PW01_000021905_1_2_F_1_RGBN.XML', and 'RPC_PNEO4_202206121050274_PMS_SEN_PW01_000021905_1_2_F_1.XML'. The status bar at the bottom shows the scale as 1:12,059 and the coordinates as 543,116,508 7,180,329,808 m.

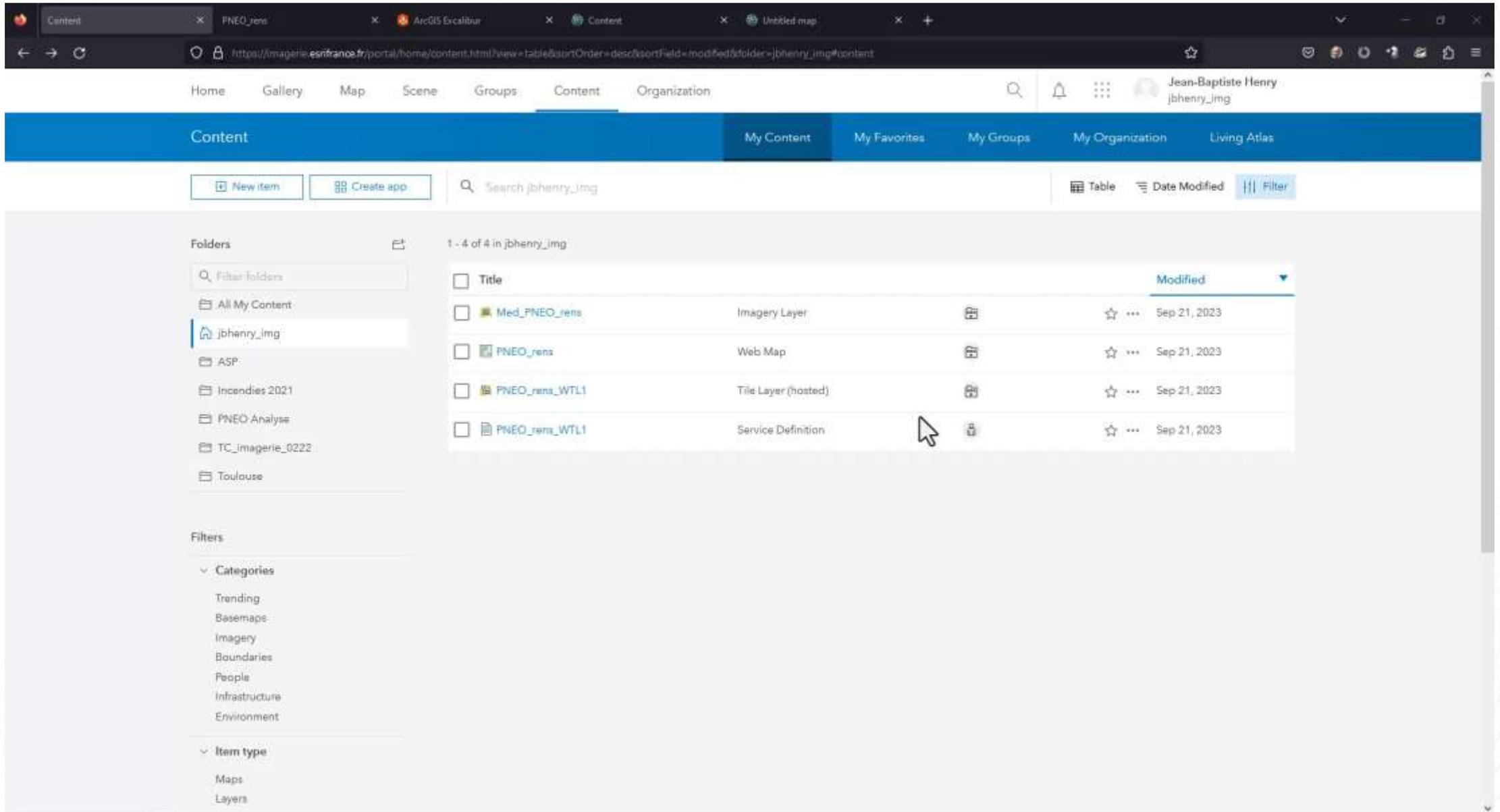


Analyse par IA

The screenshot displays the ArcGIS Desktop interface. At the top, the ribbon menu includes tabs for 'Projet', 'Carte', 'Insérer', 'Analyse', 'Vue', 'Mise à jour', 'Imagerie', 'Partager', and 'Aide'. The 'Carte' tab is active, showing toolbars for 'Couper', 'Copier', 'Coller', 'Ajouter une couche de graphiques', 'Sélectionner', 'Sélectionner selon les attributs', 'Sélectionner selon l'emplacement', 'Attributs', 'Effacer', 'Zoom sur', 'Mesurer', 'Localiser', 'Infographie', 'Conversion de coordonnées', 'Pause', 'Verrouiller', 'Afficher les étiquettes non placées', 'Convertir', 'Télécharger la carte', 'Synchroniser', and 'Supprimer'. Below the ribbon, the 'Contenu' pane on the left shows a search bar and a list of layers under 'Ordre d'affichage'. The active layer is 'Carte', which includes 'IMG_PNE04_UTM10N_Boit.tif' (RVII) with three bands: 'Rouge : Band_1', 'Vert : Band_2', and 'Bleu : Band_3'. Other layers include 'World Topographic Map' and 'World Hillshade'. The main map area shows a satellite-style view of Point Tiburon, with a white rectangle highlighting a specific area. The 'Catalogue' pane on the right shows a search bar and a list of project items: 'Cartes', 'Boîtes à outils', 'Bases de données', 'Styles', 'Dossiers', and 'Localisateurs'. At the bottom, the status bar shows a scale of 1:11,311, coordinates (548 728,125 4 189 692,794 m), and a 'Catalogue' button.



Visualisation et exploitation



The screenshot displays the ArcGIS Content Manager interface. The browser address bar shows the URL: https://imagerie.esri.france.fr/portal/home/content.html?view=table&sortOrder=desc&sortField=modified&folder=jphenry_img#content. The user is identified as Jean-Baptiste Henry (jphenry_img).

The interface includes a navigation menu with options: Home, Gallery, Map, Scene, Groups, Content, and Organization. Below this is a secondary menu with: Content, My Content, My Favorites, My Groups, My Organization, and Living Atlas.

At the top of the content area, there are buttons for 'New item' and 'Create app', a search bar containing 'jphenry_img', and view options: 'Table', 'Date Modified', and 'Filter'.

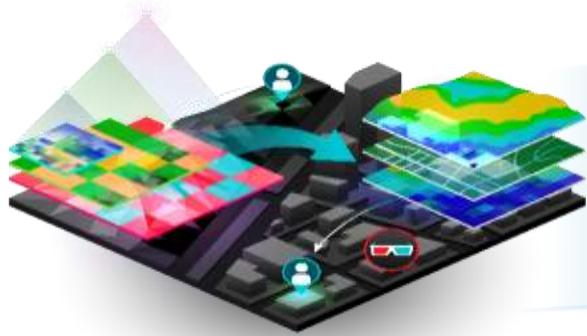
The main content area shows a list of items under the heading '1 - 4 of 4 in jphenry_img'. The items are as follows:

<input type="checkbox"/>	Title			Modified
<input type="checkbox"/>	Med_PNEO_rens	Imagery Layer		Sep 21, 2023
<input type="checkbox"/>	PNEO_rens	Web Map		Sep 21, 2023
<input type="checkbox"/>	PNEO_rens_WTL1	Tile Layer (hosted)		Sep 21, 2023
<input type="checkbox"/>	PNEO_rens_WTL1	Service Definition		Sep 21, 2023

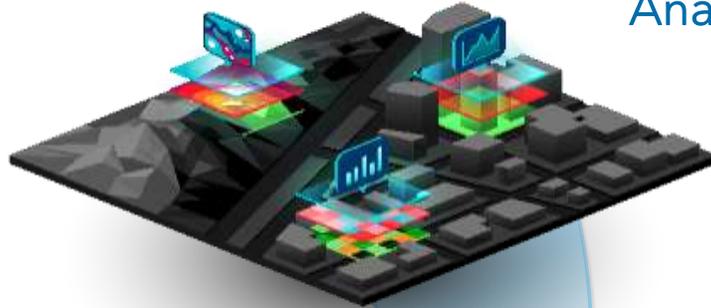
On the left side, there is a 'Folders' section with a search bar and a list of folders: All My Content, jphenry_img (selected), ASP, Incendies 2021, PNEO Analyse, TC_imagerie_0222, and Toulouse. Below this is a 'Filters' section with expandable categories: Categories (Trending, Basemaps, Imagery, Boundaries, People, Infrastructure, Environment) and Item type (Maps, Layers).



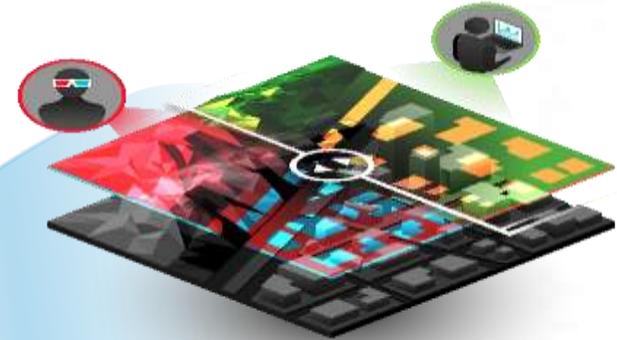
Capture de la réalité



Analyses



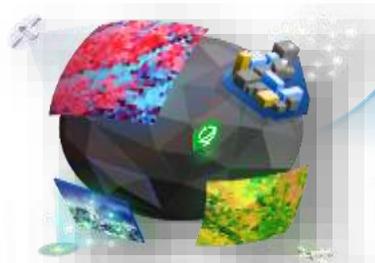
Visualisation



Gestion



Contenus



[Live+]
SIG 2023
Le Géo évènement

<https://www.geo-evenement.fr>
Du 9 au 13 octobre