



Edition de Logiciels Professionnels

Documentation ELP Hyperdhoc PhotoMedia

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1. Introduction

1.1 Purpose of the Documentation

The purpose of this document is to provide clear and comprehensive assistance to start using Hyperdhoc PhotoMedia software. This documentation aims to guide users in installing and using various standard and optional features.

Pre-requisites

- You must have sufficient rights to add a new solution to your SharePoint Online App Catalog.
- You need to have a SharePoint Web Site or a Web site collection with at least one Picture Library.

2. Solution Overview

2.1 Brief Description

Hyperdhoc PhotoMedia Upload offers an intuitive and efficient solution for uploading image files to a SharePoint media library.

This web part provides options for viewing metadata, editing images (cropping, rotating, watermarking, etc.), as well as batch information entry; related to the selected media library. Thanks to its ease of use and functional power,

ELP Hyperdhoc PhotoMedia becomes an essential web part for anyone looking for a simple and quick solution to upload their SharePoint media libraries.

2.2 Features

Batch Upload

- Select a batch of images to import, click the Upload button: it's as simple as that!

Image Editing

Crop, rotate, add a watermark, a color filter, or even blur faces...

Simple Configuration

Simply select the media library to which you want the photos to be uploaded. You can even choose a destination folder within it!

Meta data with SharePoint Field

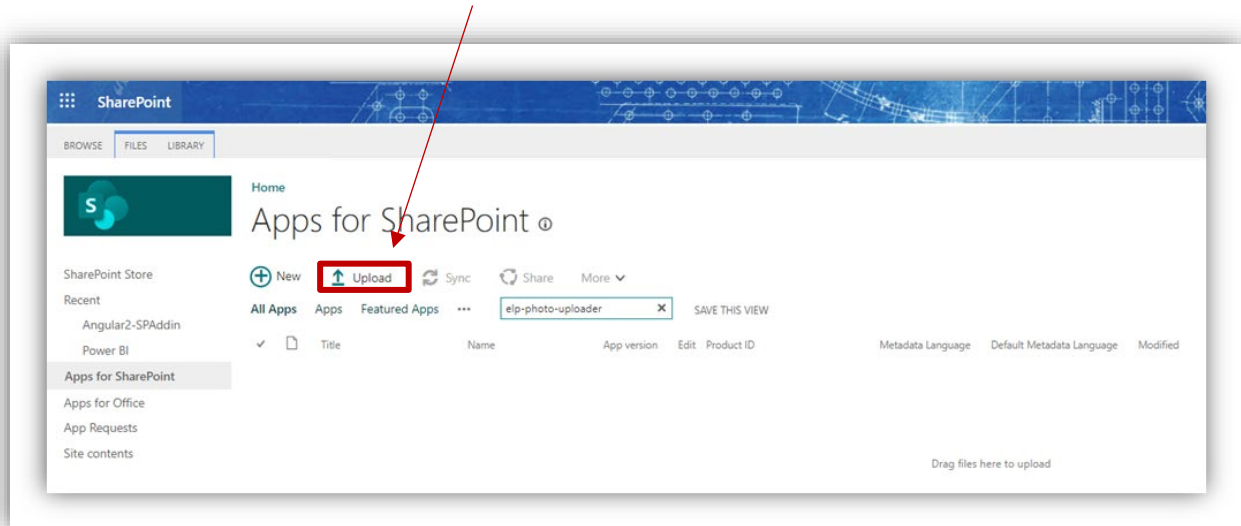
Before uploading images, you can modify the SharePoint metadata (for each photo individually, or for a selected set of photos). These metadata include all the fields present in the selected library.

3. Getting Started

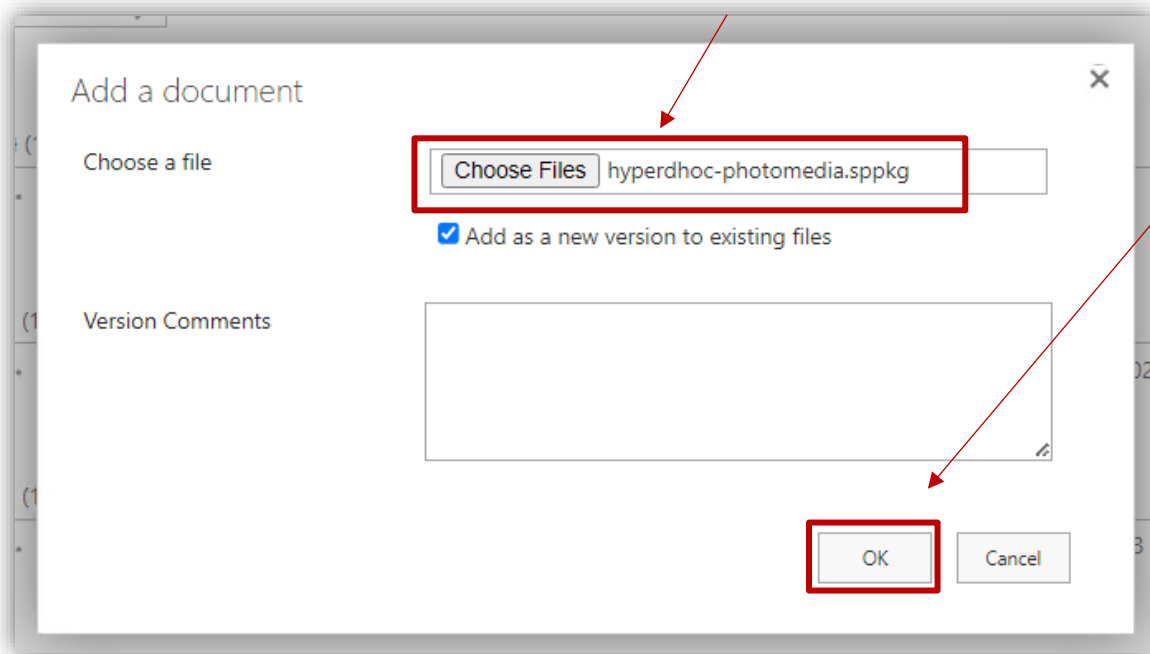
3.1 Installing the Solution

Once you have the package (**hyperdhoc-photomedia.sppkg**), you must first import it into your SharePoint application catalog.

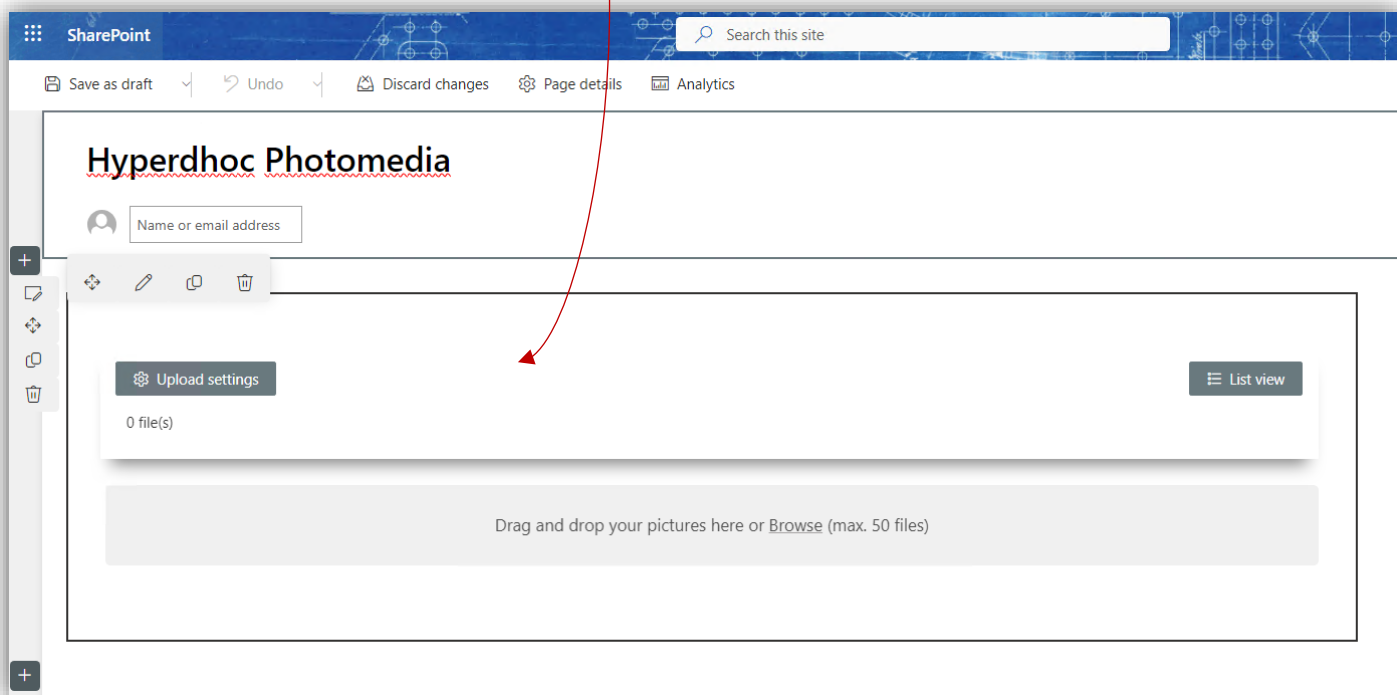
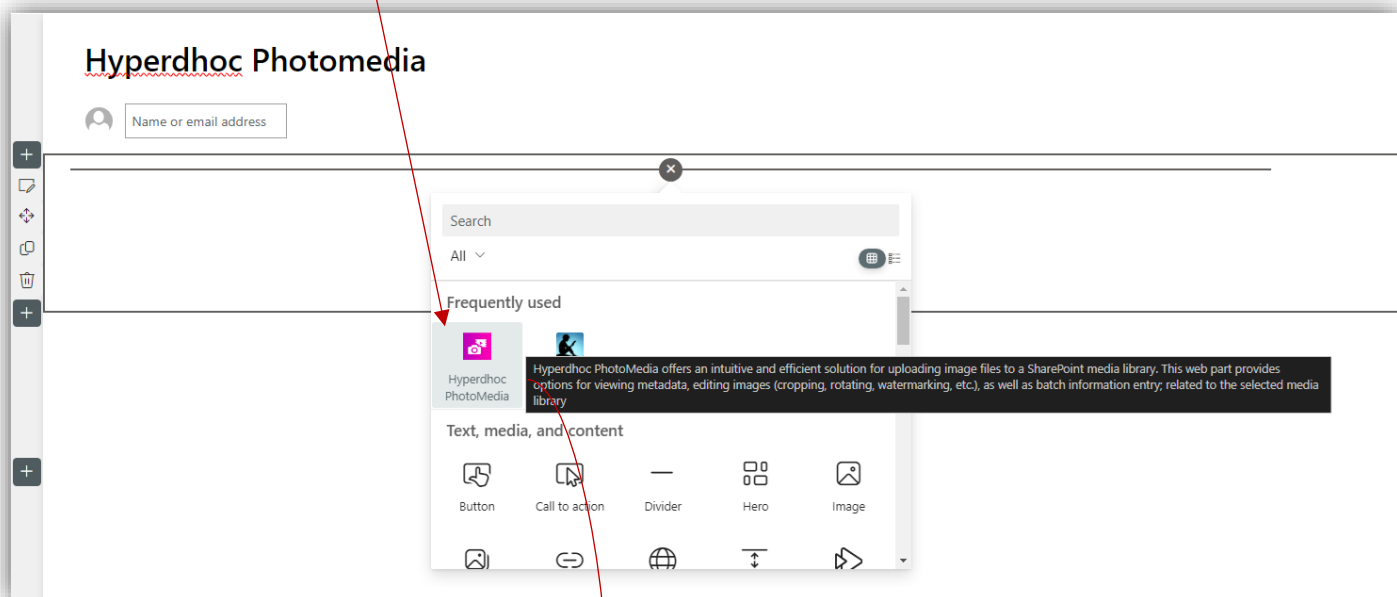
From there, click the **"Upload"** button.



A dialog box will then appear: Click the **"Select. Files"** button, include the package, then click **"OK."**

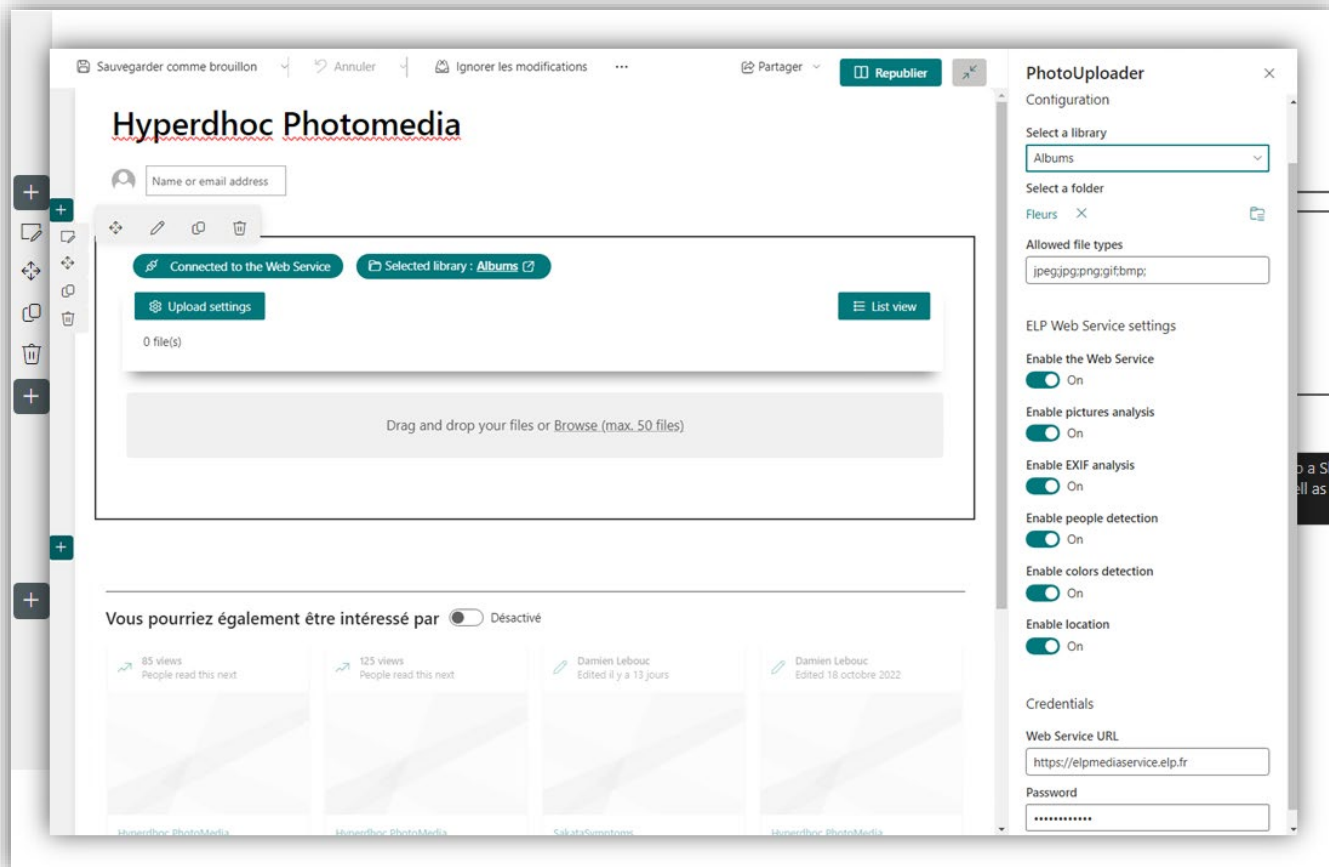


Once the package is installed in your SharePoint application catalog, all that's left is to add it to a web part page (new or existing) of your site.



3.2 Configuring the Solution

Once the solution is installed and set up, certain features can be enabled (or not) via its configuration panel; you can also pre-select the media library and the target folder to which the images will be automatically uploaded.



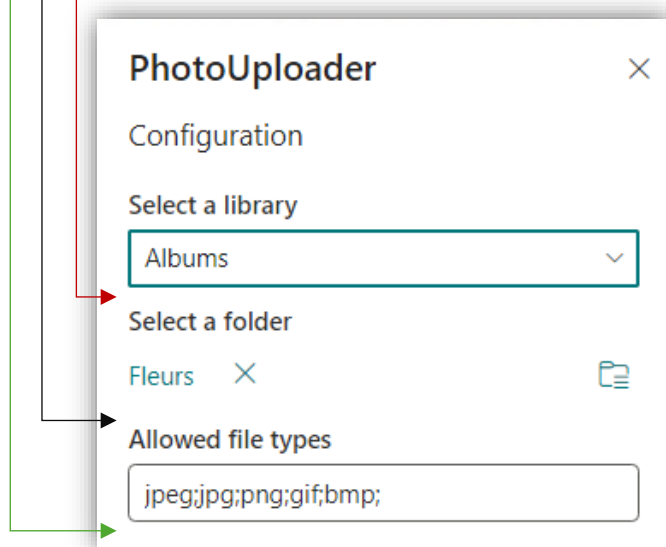
3.2.1 Media Library Configuration

In the first part of the application's configuration panel, it is necessary to choose a Picture library present on your site. If you don't have one, please create one:

Select the media library to use for the upload, as well as for retrieving its SharePoint fields

You may select (or not) a subfolder within this library

Define the different types of image files that can be uploaded



The screenshot shows a 'PhotoUploader' configuration window. It has a title bar with a close button. The main content area is titled 'Configuration'. It contains three sections: 'Select a library' with a dropdown menu showing 'Albums'; 'Select a folder' with a text input containing 'Fleurs' and a folder icon; and 'Allowed file types' with a text input containing 'jpeg;jpg;png;gif;bmp;'. Three colored arrows point from the text above to specific elements: a red arrow points to the 'Select a library' dropdown, a black arrow points to the 'Select a folder' text input, and a green arrow points to the 'Allowed file types' text input.

3.2.2 ELP Web Service Configuration (Optional)

In the second part of the application's configuration panel, it is possible to enable (optionally) features related to the ELP Web Service: this allows the images to be analysed before uploading, enabling, among other things, the ability to classify them by colour, retrieve and display the image's EXIF metadata, or display its location information.

ELP Web Service settings	
Enable the Web Service ☒ On	If this option is enabled, then you can set all the sub functionalities present below
Enable pictures analysis ☒ On	If enabled then it will try to recognize persons, or object inside the image
Enable EXIF analysis ☒ On	If enabled EXIF meta data will be extracted from the image
Enable people detection ☒ On	If enabled the service will try to identify the presence of people and the number of persons present
Enable colors detection ☒ On	If enabled then a list of the 5 most used colours in the picture will be rendered,
Enable location ☒ On	If enabled, then if the image has metadata GPS localisation the nit will return a true address of the place where the image was taken.
Credentials Connect information necessary to access the web	
Web Service URL https://elpmediaservice.elp.fr	
Password 	

Optional: Connecting to the ELP web service is optional. To access these features, you will need to obtain a license from ELP (info@elp.fr). To register with us , please provide your email address and your SharePoint Online Tenant ID. This information will be necessary for your registration.

First use

Once configured, you can use the web part to upload pictures to your SharePoint Library.

Clique on the link **Browse** from the web part, select one or more pictures from your hard drive

Or **drag drop** your images on the grey area

They will appear inside the web part. (see 4.1.1)

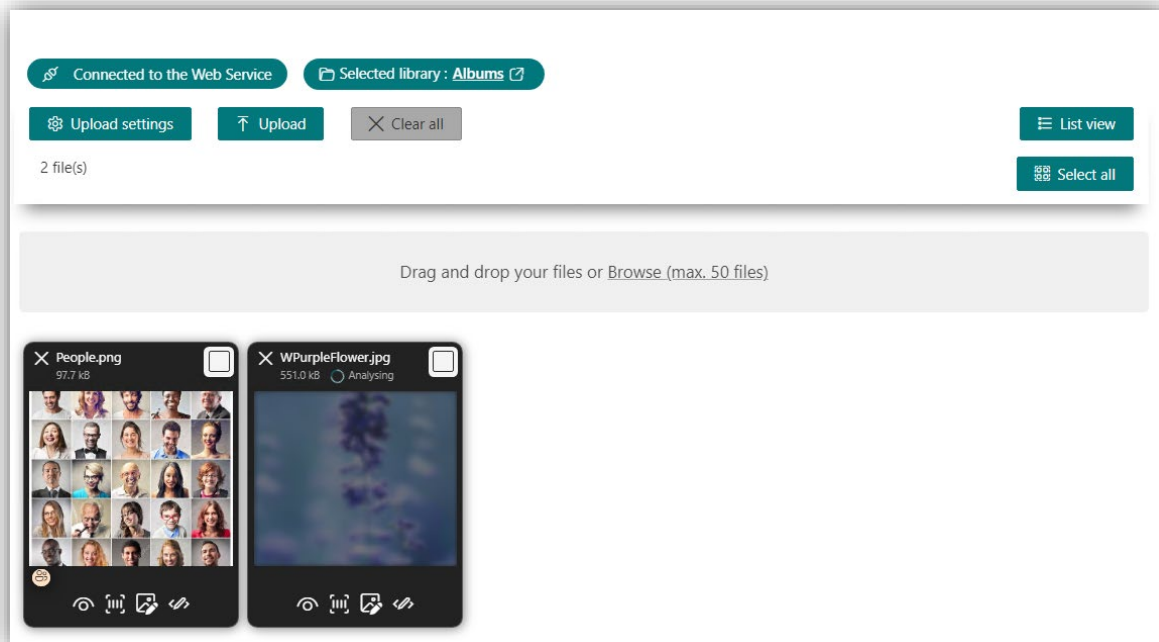
To directly upload them to SharePoint, click on the **Upload** button

To use more advanced options, please read the following sections.

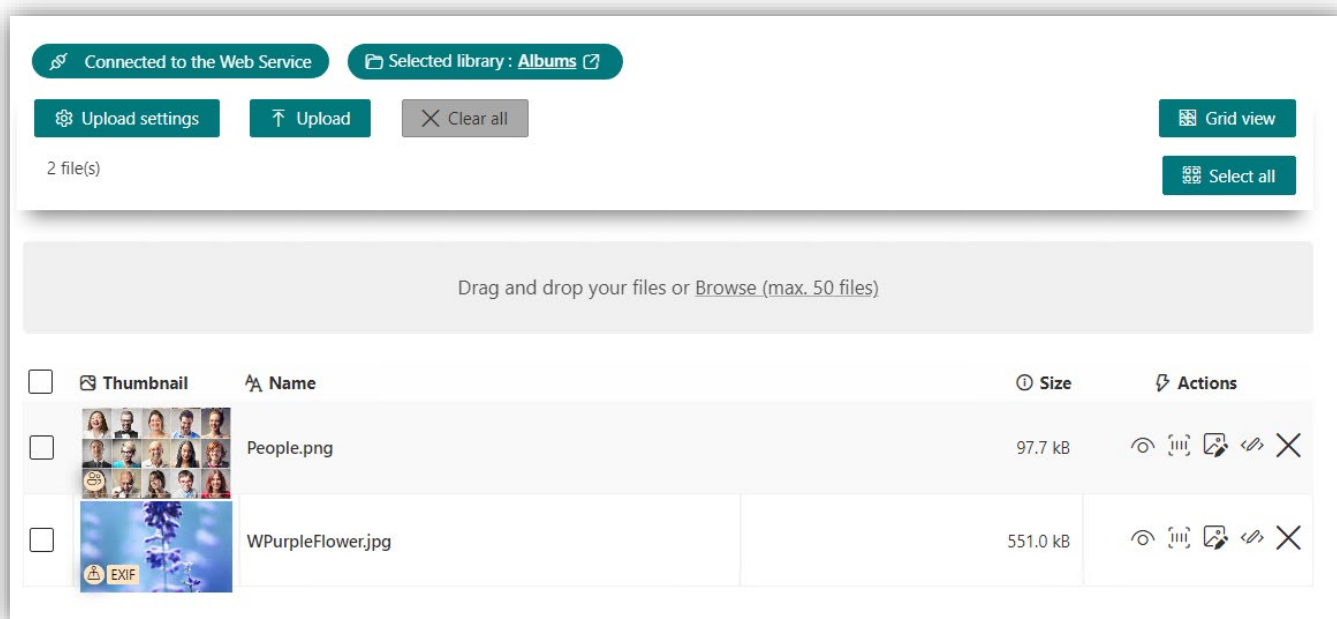
4. User Interface

4.1 General Overview

4.1.1 Grid" Mode Overview

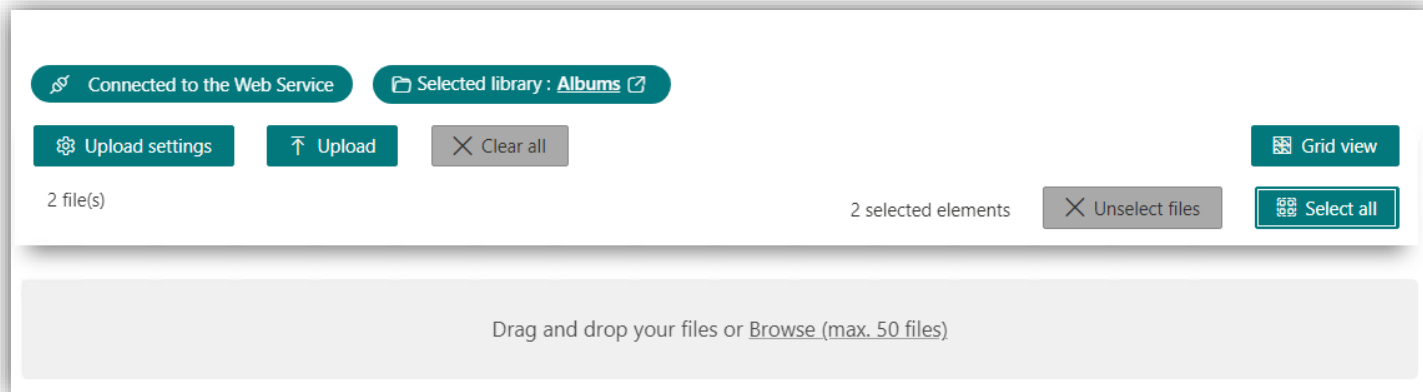


4.1.2 "List" Mode Overview



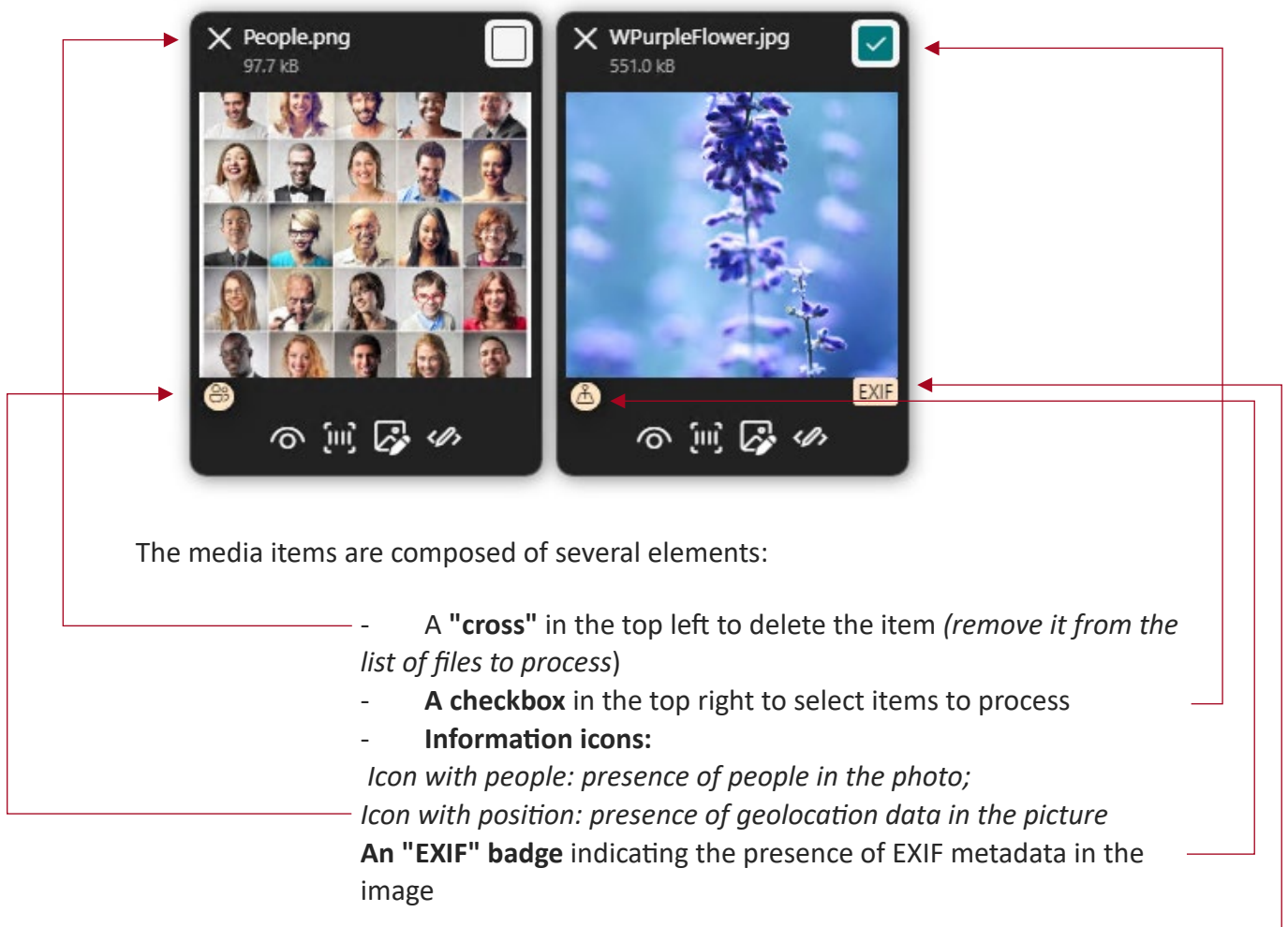
4.2 Vertical Action Ribbon

The vertical action ribbon has several action buttons:



- A preview of the connection status to the ELP Web Service (*if enabled from the configuration panel*).
- A quick access link to the target SharePoint location to which the media will be uploaded (and a button to configure it).
- An "Upload" button to upload the images being processed to the selected library.
- A "Clear All" button to delete all files being processed.
- A "List View / Grid View" button to change the display mode.
- A "Deselect All" button (*visible only if some items have been selected*) and a "Select All" button to choose items to manipulate.

4.3 Media-Related Information and Actions



Plus 4 action buttons::

-  A **"View Image"** button to enlarge it to full screen
-  An **"Analyze Image"** button to preview the information returned by the ELP Web Service
-  An **"Edit Photo"** button to open an editor for cropping, rotating, adding watermarks, ...
-  An **"Edit Metadata"** button to open an input form related to the SharePoint fields default view of the media library to which the images will be uploaded

4.4 Web Service Analysis Results

If the ELP Web Service is enabled (along with its various image analysis features), the "Analyze Image" button opens a pane like the one below, containing several categories of information (the number of information items may vary from image to image):



WPurpleFlower.jpg

File Composite EXIF Analyse Localisation

FileName	eaff5e43-dc36-459a-87d5-8ae8e62451f3.jpg
Directory	C:/temp/PhototequeTemp/d5d66667-30fd-4042-94b6-baa099d2ea53/eaff5e43-dc36-459a-87d5-8ae8e62451f3
FileSize	551 KiB
FileModifyDate	2024:06:20 15:20:28+02:00
FileAccessDate	2024:06:20 15:20:28+02:00
FileCreateDate	2024:06:20 15:20:28+02:00
FilePermissions	-rw-rw-rw-
FileType	JPEG
FileTypeExtension	jpg
MIMEType	image/jpeg
ExifByteOrder	Big-endian (Motorola, MM)
CurrentIPTCDigest	d306b99016c6187b87a6761118481a0f
ImageWidth	1365
ImageHeight	2048
EncodingProcess	Baseline DCT, codage Huffman

4.4.1 "File" Tab

File	Composite	EXIF	Analyse	Localisation
FileName	eaff5e43-dc36-459a-87d5-8ae8e62451f3.jpg			
Directory	C:/temp/PhototequeTemp/d5d66667-30fd-4042-94b6-baa099d2ea53/eaff5e43-dc36-459a-87d5-8ae8e62451f3			
FileSize	551 KiB			
FileModifyDate	2024:06:20 15:20:28+02:00			
FileAccessDate	2024:06:20 15:20:28+02:00			
FileCreateDate	2024:06:20 15:20:28+02:00			
FilePermissions	-rw-rw-rw-			
FileType	JPEG			
FileTypeExtension	jpg			
MIMEType	image/jpeg			
ExifByteOrder	Big-endian (Motorola, MM)			
CurrentIPTCDigest	d306b99016c6187b87a6761118481a0f			
ImageWidth	1365			
ImageHeight	2048			
EncodingProcess	Baseline DCT, codage Huffman			
BitsPerSample	8			
ColorComponents	3			
YCbCrSubSampling	YCbCr4:4:4 (1 1)			

4.4.2 "Composite" Tab

File	Composite	EXIF	Analyse	Localisation
ImageSize	1365x2048			
Megapixels	2.8			

4.4.3 "EXIF" Tab

FileCompositeEXIFAnalyseLocalisation

EXIF

GPSVersionID

2.3.0.0

GPSLatitudeRef

Latitude nord

GPSLatitude

49 deg 24' 14.15"

GPSLongitudeRef

Longitude est

GPSLongitude

2 deg 48' 48.55"

GPSAltitudeRef

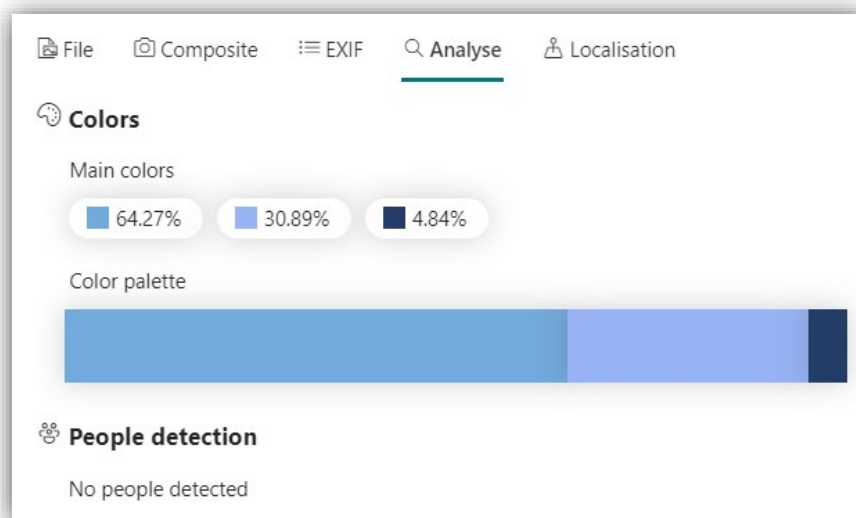
Au-dessus du niveau de la mer

GPSAltitude

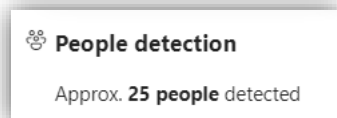
0 m

JFIF

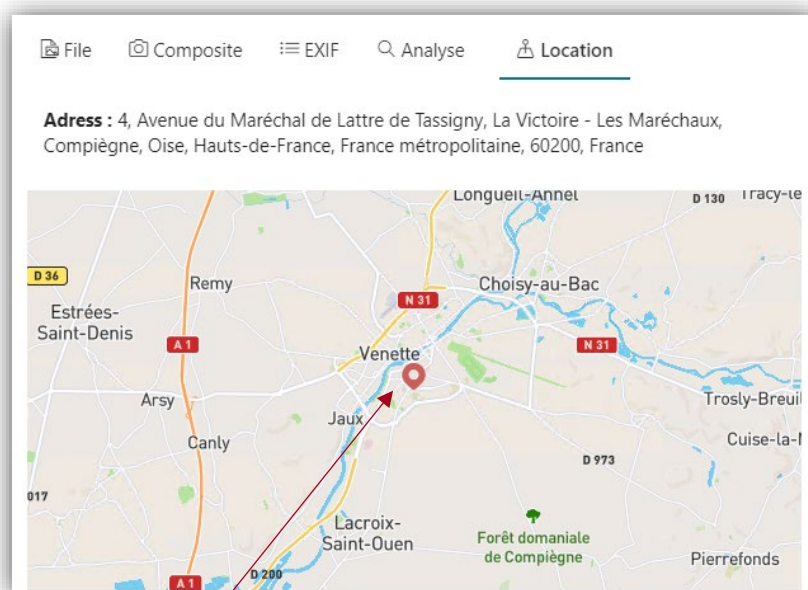
4.4.4 "Analysis" Tab



In the event of an analysis of an image containing people, the "Person Detection" information might look like this:



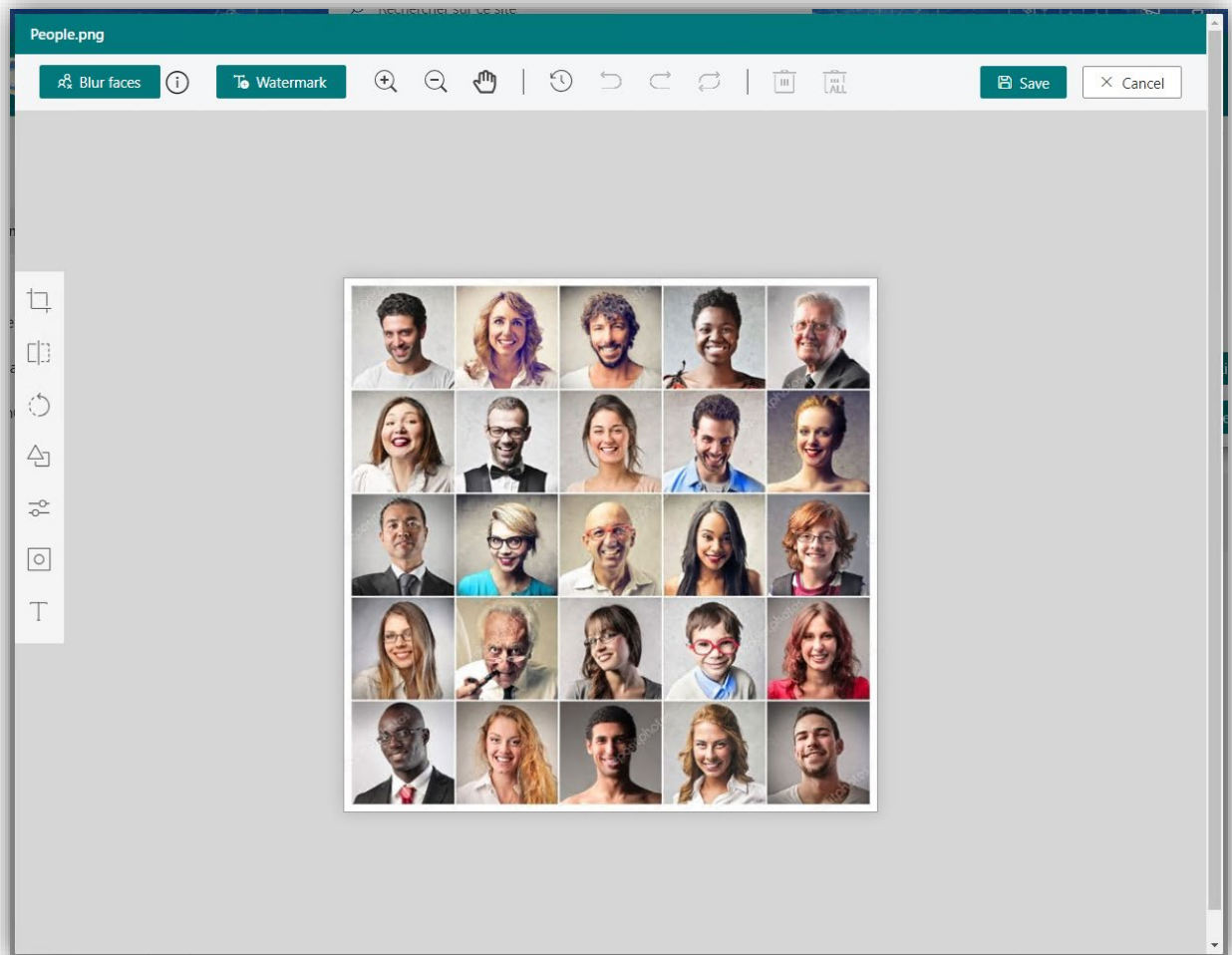
4.4.5 "Location" Tab



Clicking on the **small red pin** opens a new tab with a full-screen map.

4.5 Photo Editor

When you click the "Edit Photo" button, an image editor opens: it then becomes possible to manipulate the image, add a watermark, or blur faces (if any).



4.6 Editing SharePoint Metadata

When you click on the **"Edit Metadata"** button, an input form appears. It will display the different SharePoint fields related to the media library to which the upload is configured.

** If multiple files have been selected via the "Select All" button in the top ribbon of the application or via the individual checkboxes of the images, it will be possible to modify the information for all the selected images.*

Properties <People.png>

2 selected elements



People.png



WPurpleFlower.jpg

T

Title

Date Picture Taken

Date

Time

12 AM

:

00

Description

Used as alternative text for the picture.

Keywords

For example: scenery, mountains, trees, nature

Date Album

20/06/2024

Genre

Classement

5. Contact Information for Support

Please contact support@elp.fr for any questions or support requests.