STORY NEVER RECORDED

PERSON WHO KNOWS IS DEAD

INFORMATION DISASSOCIATED OR LOST

DISASTERS DESTROYS MEDIA

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PROBLEMS TO SOLVE

- The story was never written

- The who and what was never recorded

- The info and story were disassociated from the media

- The person in the know is dead

- The stories and media were not properly preserved

- Disasters destroys media

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VALUE OF STANDARDS BODY

- Ensures **public opinion** is heard and considered

- Ensures documents are **formatted & distributed** properly

- Manages the standard **approval process**

- Ensures changes **do not disrupt** existing standards

- Manages **policies** for exploratory work and public drafts

- Sets **membership** process, rights and voting policies, etc

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- Works on a **candidate** standard or revisions prior to approval by standards organization which oversees the process

- Addresses the specific **data requirements** of a market segment through soliciting, reviewing and being responsive to feature requests

- Primarily oversees **content,** manages **document** lifecycles, and shepherds **drafts** through the approval process.

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Family History Metadata Working Group

Embedding Metadata in Digital Meda for Family History

🔍 Search

Home   About   Roadmap   Recommendations   FAQs   Contact Us

REASONS FOR ADOPTION

- Focus on the needs of recognized **large vendors and organizations**

- Follow **proven standards** for user experience and data organization, features and schemas

- Provide helpful open **tools and guidelines**

- Demonstrate acceptance of **industry trends** and cooperation with **open solutions**.

- Enable the growth and preservation of digital media with **family history oriented** embedded metadata

FAMILY HISTORY METADATA WORKING GROUP (FHMWG)

We seek to enhance the value of digital media about people

by refining the process and capability for embedding metadata

to enrich our relationships with family,

friends and the world.

FHMWG MISSION STATEMENT

Enable the consistent capturing, sharing, interoperability and preservation of family history metadata

through effective planning, standardization and frequent communications
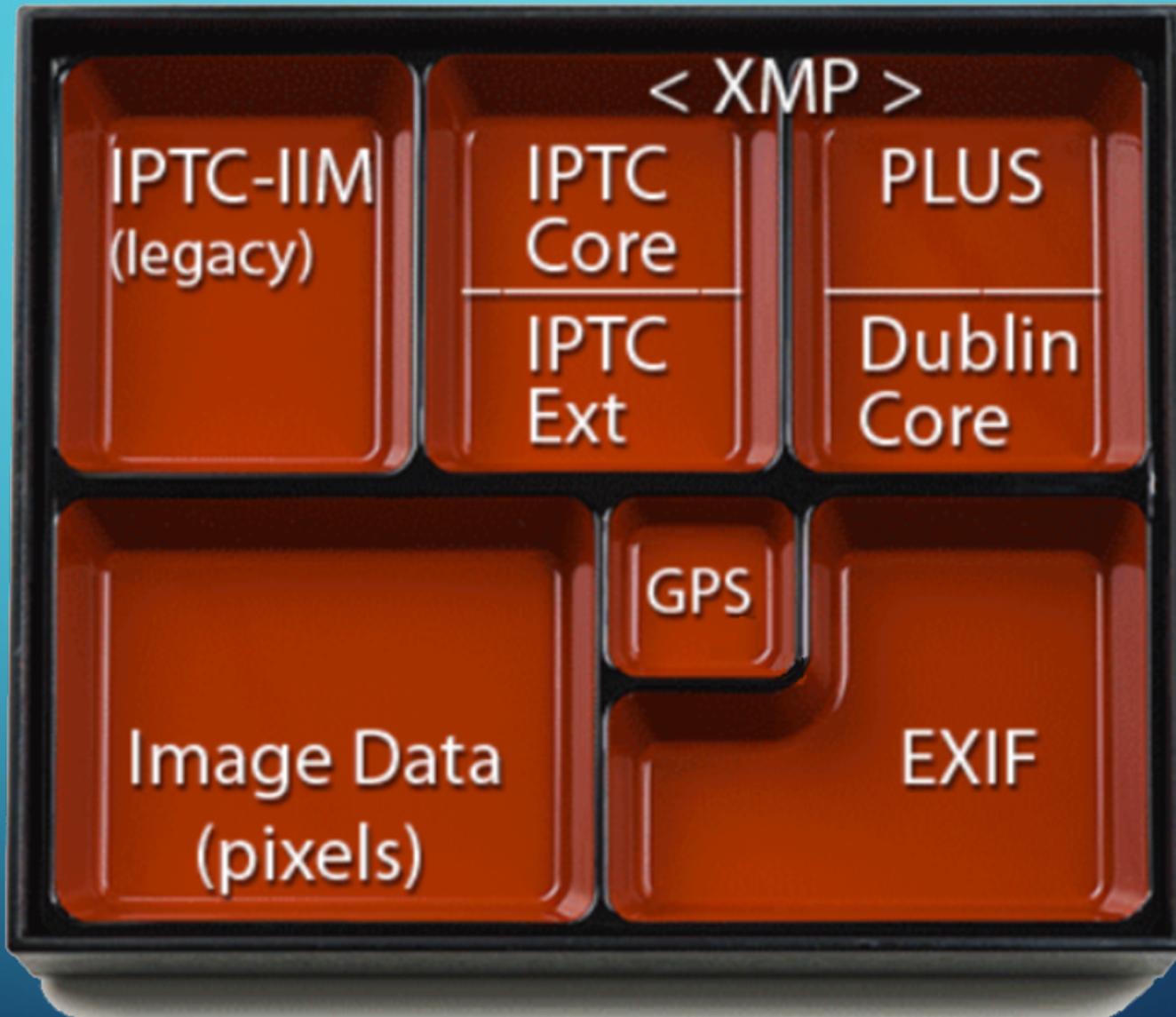
to archives, libraries, history organizations, standards bodies, commercial vendors and websites

In order to establish, adopt, and promote this metadata

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FHMWG: FOUNDING MEMBERS AUGUST 2019

- **Rick Voight**   Vivid-Pix.org

- **Robert Friedman**   Permanent.org

- **Joel Cannon**   FHISO.org

- **Beth Ann Wiseman**   FamilySearch

- **Chris & Nancy Desmond**   MemoryWeb.me

- **Russell Lynch**   FamilySearch

- **Gordon Clarke**   FamilySearch

- **Luther Tychonievich**   FHISO.org

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IPTC-IIM (legacy)

< XMP >

IPTC Core

IPTC Ext

PLUS

Dublin Core

Image Data (pixels)

GPS

EXIF

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WHAT IS PHOTO METADATA

Photo metadata is a **set of data** describing and providing information about rights and administration of an image. It allows information to be **transported within an image file,** in a way that can be **understood** by other software and human users. There are 3 main categories of data:
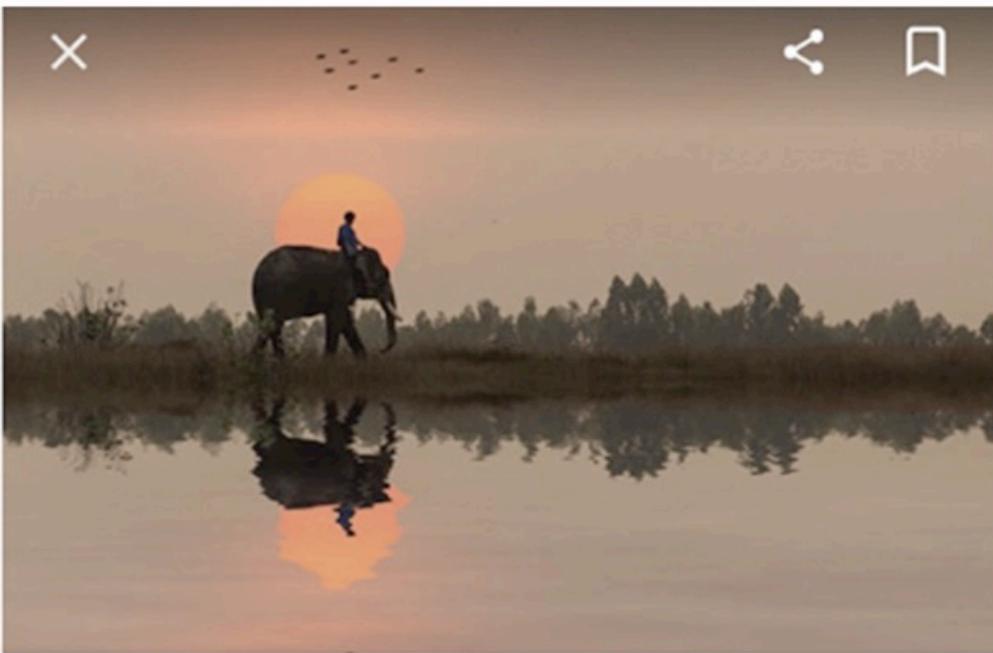
- **Administrative**
- **Descriptive**
- **Rights**

IPTC PHOTO METADATA STANDARD

The most widely used standard to describe photos, because of its universal acceptance among **news agencies, photographers, photo agencies, libraries, museums, and other related industries.**

The standard is *comprehensive sets of fields* that allow users to add precise and reliable data about **people, locations, and products** shown in an image. It also supports **dates, names and identifiers** regarding the creation of the photo, and a flexible way to express **rights information.**

GOOGLE'S LICENSABLE FEATURE
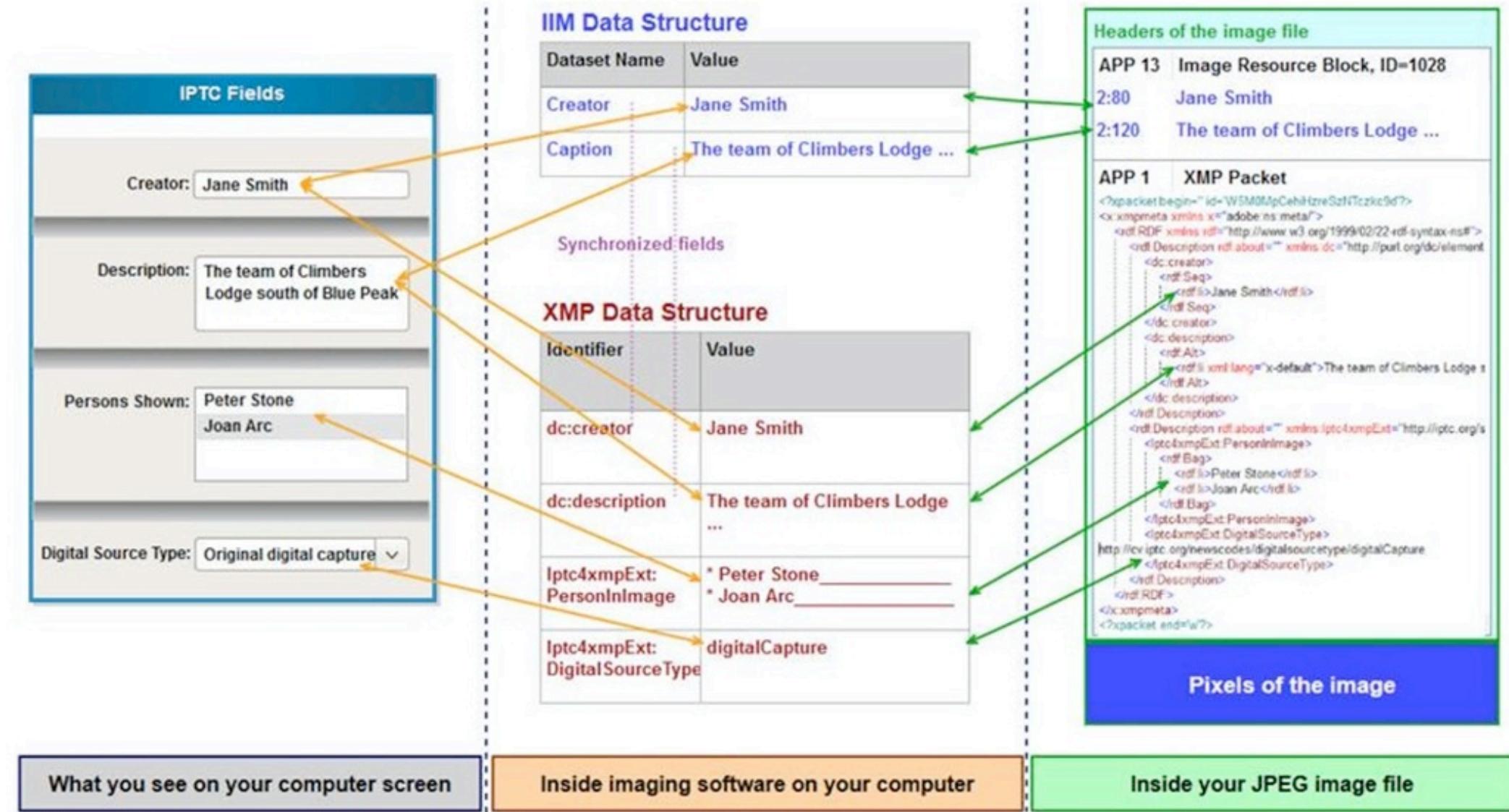
IIM Data Structure

Dataset Name	Value
Creator	Jane Smith
Caption	The team of Climbers Lodge ...

Synchronized fields

XMP Data Structure

Identifier	Value
dc:creator	Jane Smith
dc:description	The team of Climbers Lodge ...
Iptc4xmpExt: PersonInImage	* Peter Stone_____ * Joan Arc_____
Iptc4xmpExt: DigitalSourceType	digitalCapture

IPTC Fields

Creator: Jane Smith

Description: The team of Climbers Lodge south of Blue Peak

Persons Shown: Peter Stone / Joan Arc

Digital Source Type: Original digital capture

Headers of the image file

APP 13	Image Resource Block, ID=1028
2:80	Jane Smith
2:120	The team of Climbers Lodge ...

APP 1 — XMP Packet

Pixels of the image

What you see on your computer screen | Inside imaging software on your computer | Inside your JPEG image file
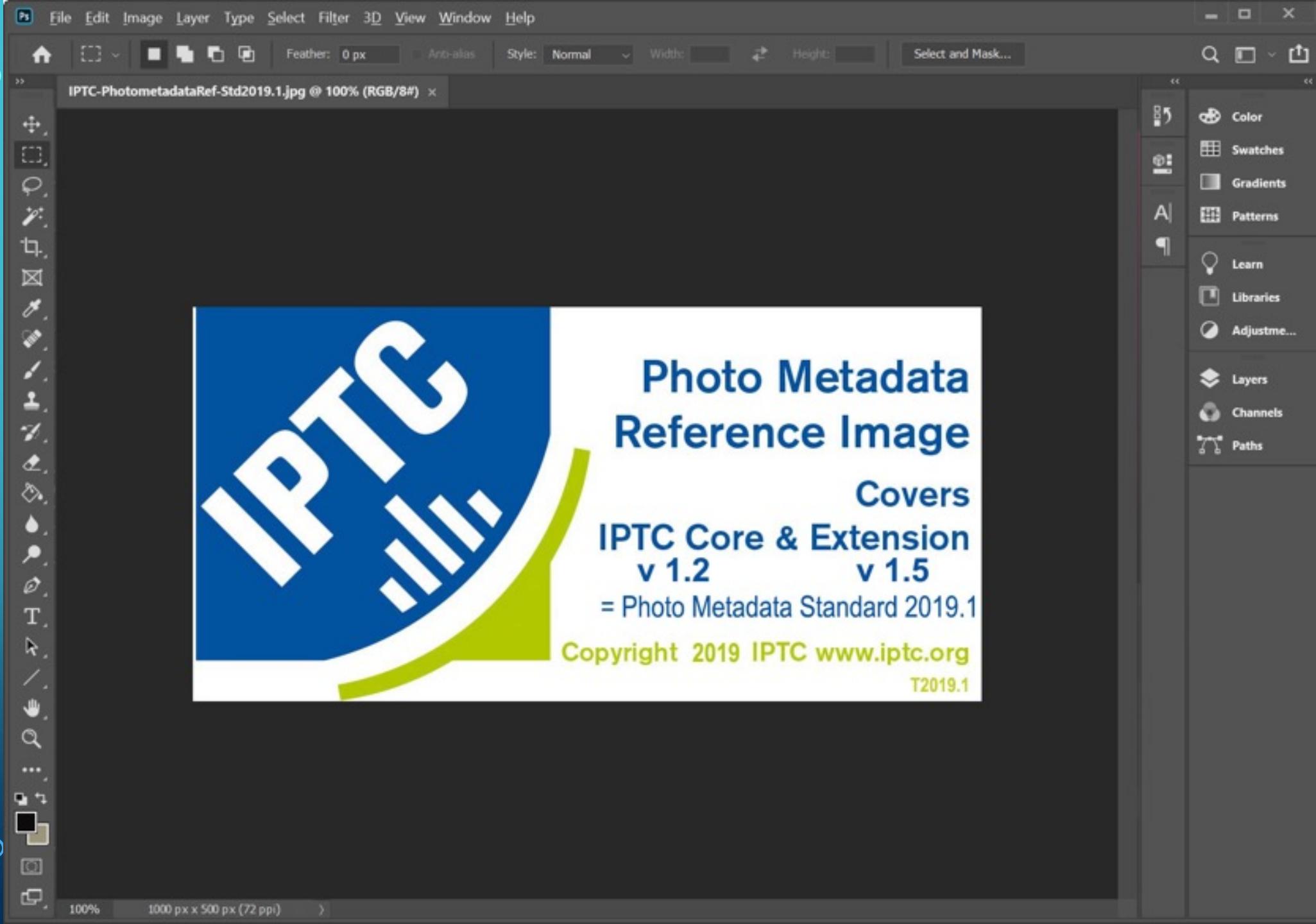
SAMPLE JPEG WITH ALL CURRENT EMBEDDED TAGS

IPTC-PhotometadataRef-Std2019.1.jpg

Basic
Camera Data
Origin
IPTC
IPTC Extension
GPS Data
Audio Data
Video Data
Photoshop
DICOM
AEM Properties
Raw Data

Raw Data

```
<x:xmpmeta xmlns:x="adobe:ns:meta/" x:xmptk="Adobe XMP Core 5.6-c148 79.164036, 2019/08/13-01:06:57        ">
  <rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#">
    <rdf:Description rdf:about=""
        xmlns:Iptc4xmpCore="http://iptc.org/std/Iptc4xmpCore/1.0/xmlns/"
        xmlns:Iptc4xmpExt="http://iptc.org/std/Iptc4xmpExt/2008-02-29/"
        xmlns:xmp="http://ns.adobe.com/xap/1.0/"
        xmlns:dc="http://purl.org/dc/elements/1.1/"
        xmlns:photoshop="http://ns.adobe.com/photoshop/1.0/"
        xmlns:plus="http://ns.useplus.org/ldf/xmp/1.0/"
        xmlns:xmpRights="http://ns.adobe.com/xap/1.0/rights/"
        xmlns:xmpMM="http://ns.adobe.com/xap/1.0/mm/"
        xmlns:tiff="http://ns.adobe.com/tiff/1.0/"
        xmlns:exif="http://ns.adobe.com/exif/1.0/">
      <Iptc4xmpCore:CountryCode>R19</Iptc4xmpCore:CountryCode>
      <Iptc4xmpCore:CreatorContactInfo rdf:parseType="Resource">
        <Iptc4xmpCore:CiAdrCity>Creator's CI: City (ref2019.1)</Iptc4xmpCore:CiAdrCity>
        <Iptc4xmpCore:CiAdrCtry>Creator's CI: Country (ref2019.1)</Iptc4xmpCore:CiAdrCtry>
        <Iptc4xmpCore:CiAdrExtadr>Creator's CI: Address, line 1 (ref2019.1)</Iptc4xmpCore:CiAdrExtadr>
        <Iptc4xmpCore:CiAdrPcode>Creator's CI: Postcode (ref2019.1)</Iptc4xmpCore:CiAdrPcode>
        <Iptc4xmpCore:CiAdrRegion>Creator's CI: State/Province (ref2019.1)</Iptc4xmpCore:CiAdrRegion>
        <Iptc4xmpCore:CiEmailWork>Creator's CI: Email@1, Email@2 (ref2019.1)</Iptc4xmpCore:CiEmailWork>
        <Iptc4xmpCore:CiTelWork>Creator's CI: Phone # 1, Phone # 2 (ref2019.1)</Iptc4xmpCore:CiTelWork>
        <Iptc4xmpCore:CiUrlWork>http://www.Creators.CI/WebAddress.ref2019.1</Iptc4xmpCore:CiUrlWork>
      </Iptc4xmpCore:CreatorContactInfo>
      <Iptc4xmpCore:IntellectualGenre>A Genre (ref2019.1)</Iptc4xmpCore:IntellectualGenre>
      <Iptc4xmpCore:Location>Sublocation (Core) (ref2019.1)</Iptc4xmpCore:Location>
      <Iptc4xmpCore:Scene>
        <rdf:Bag>
          <rdf:li>IPTC-Scene-Code1 (ref2019.1)</rdf:li>
          <rdf:li>IPTC-Scene-Code2 (ref2019.1)</rdf:li>
        </rdf:Bag>
      </Iptc4xmpCore:Scene>
      <Iptc4xmpCore:SubjectCode>
        <rdf:Bag>
          <rdf:li>1ref2019.1</rdf:li>
          <rdf:li>2ref2019.1</rdf:li>
          <rdf:li>3ref2019.1</rdf:li>
        </rdf:Bag>
      </Iptc4xmpCore:SubjectCode>
      <Iptc4xmpExt:AboutCvTerm>
        <rdf:Bag>
          <rdf:li rdf:parseType="Resource">
            <Iptc4xmpExt:CvId>http://example.com/cv/about/ref2019.1</Iptc4xmpExt:CvId>
            <Iptc4xmpExt:CvTermId>http://example.com/cv/about/ref2019.1/code987</Iptc4xmpExt:CvTermId>
            <Iptc4xmpExt:CvTermName>
```

Powered By
XMP

Preferences   Template F...

OK   Cancel

Bottom Up

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APPROACH TO STANDARDS DEVELOPMENT
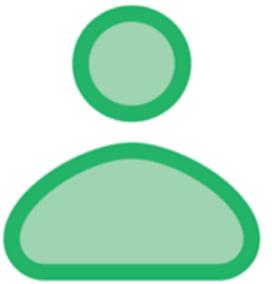
Top Down

Inside Out

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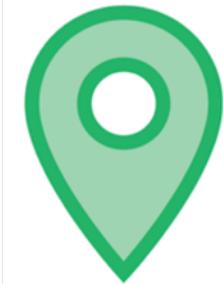
GUIDELINES FOR DATE INFO NEEDED

Standard (Linked)	READING Metadata (Suggested Fields)	Standard Definition	WRITING Metadata (Suggested Fields)
Exif	Exif.Photo.DateTimeOriginal	**Exif Tag Description:** The date and time when the original image data was generated. For a digital still camera the date and time the picture was taken are recorded.	**Exact Date:** 1) Exif.Photo.DateTimeOriginal (EXIF), 2) Exif.Image.DateTimeOriginal (EXIF), <u>and</u> 3) Date Created (IPTC)
	Exif.Image.DateTimeOriginal	**Exif Tag Description:** The date and time when the original image data was generated.	
IPTC	Date Created	**IPTC Tag Description:** For exact dates	
	Circa Date Created {Artwork or Object detail}	**IPTC Tag Description:** Approximate date or range of dates associated with the creation and production of an artwork or object or its components.	**Approximate Date:** Circa Date Created {Artwork or Object detail}

NOTE:
1) Fields are often re-labeled (e.g., "Date Modified") by various providers' User Interface (UI) and is not consistent (not able to tell what source field they are reading and displaying)
2) Consider avoiding "Exif.Image.DateTime" because it is typically the date and time the file was changed.
3) Recommend using "Exif.Photo.DateTimeDigitized" as the date and time when the image was stored (e.g., scanned) instead of date of image.

Considerations:
1) If all three exact dates are populated, read exact date in following ranking order: Exif.Photo.DateTimeOriginal, Date Created (IPTC), Exif.Image.DateTimeOriginal (EXIF),
2) If Circa Date Created is populated, consider if this should be used over any of the exact date fields.
3) Date information captured in other fields (e.g., key words) would stay mapped to those fields until user modifies to one of the aforementioned recommended fields.

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IPTC 2019.1 REVISION

To help with depicting different types of information using IPTC Image Regions IPTC has created two fields:

- **Image Region Type:** asserts the type of content of the region

- **Image Region Role:** asserts what the region is used for

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IPTC IMAGE REGIONS EXAMPLES

:

- **Person Shown**

Supports name and also details like identifier such as FamilySearch PersonID

- **Organizations Featured**
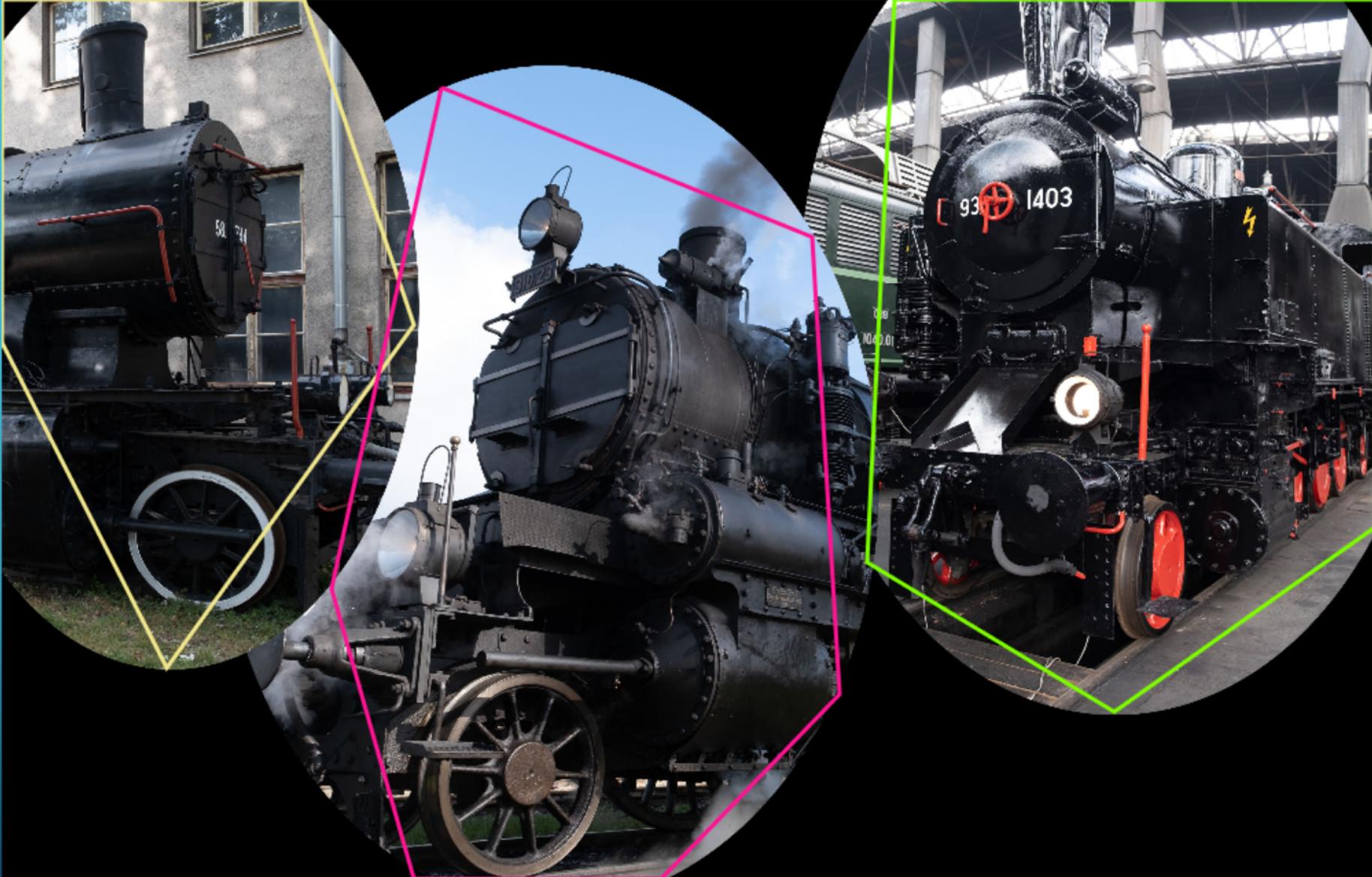
- **Product Shown**
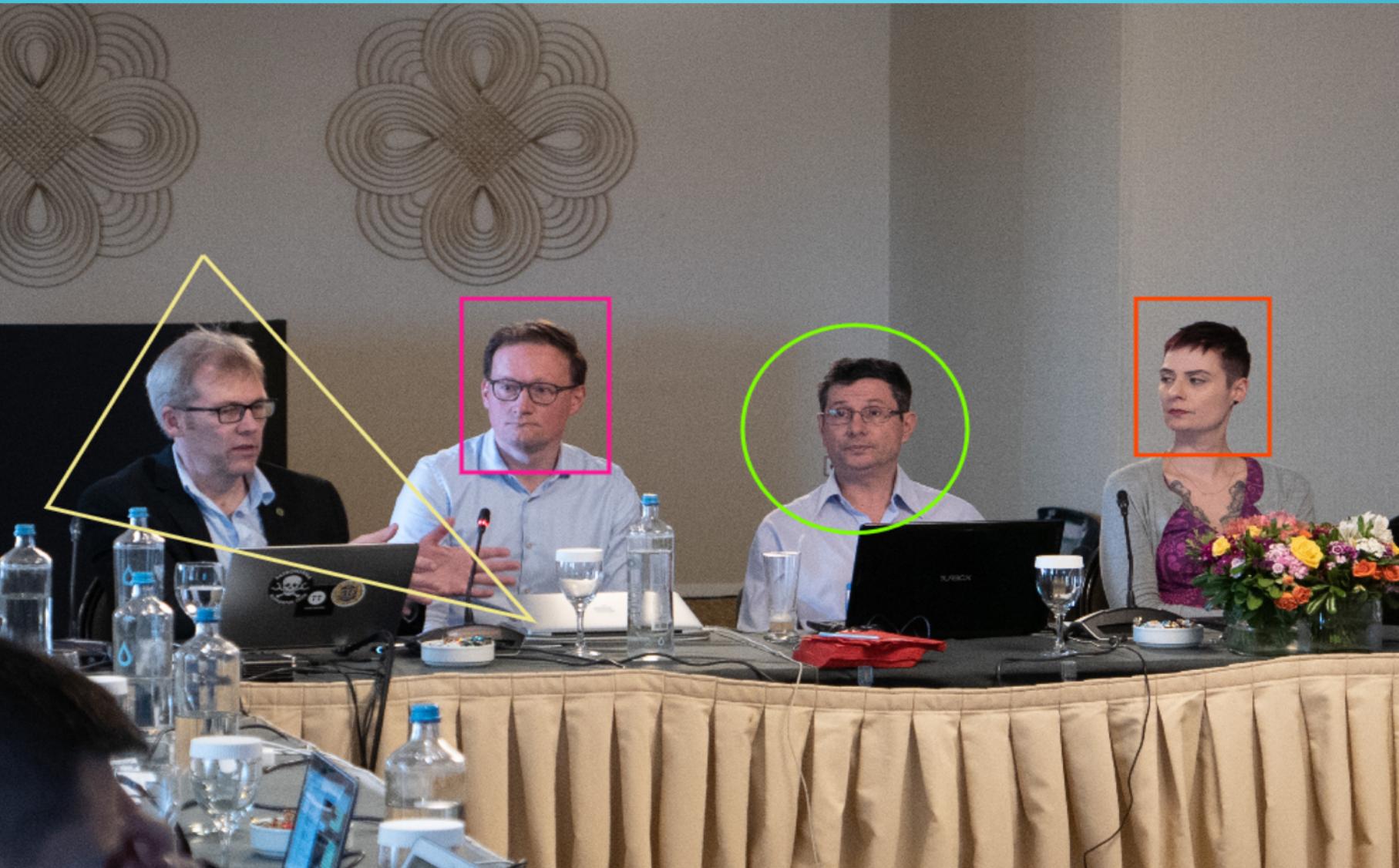
- **Artwork or Object Shown**
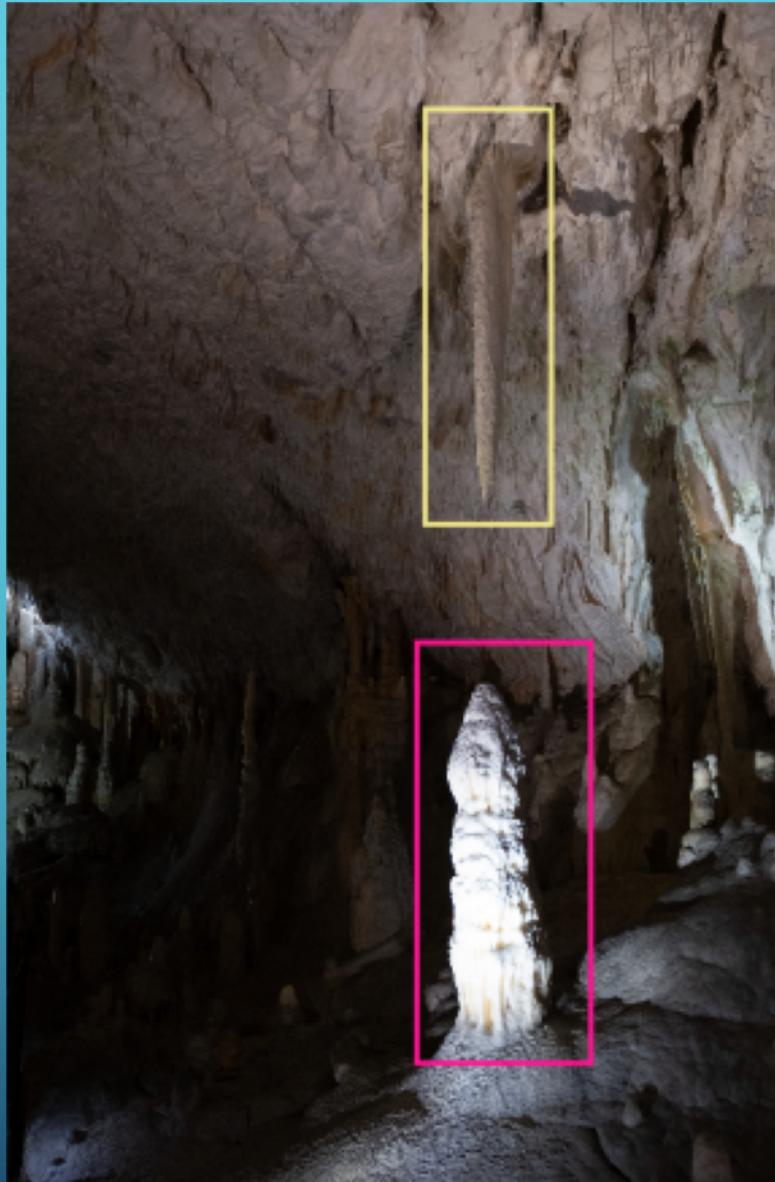
- **Location Shown**

Example: a photograph of a mountain range taken from a distance.

It could also support FamilySearch places→focusedID

PARTICIPATION IN FHMWG

Come Influence the Development of New Valuable Standards

T ogether

E veryone

A chieves

M ore

Send inquiries and desires to participate to:

info@fhmwg.org

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