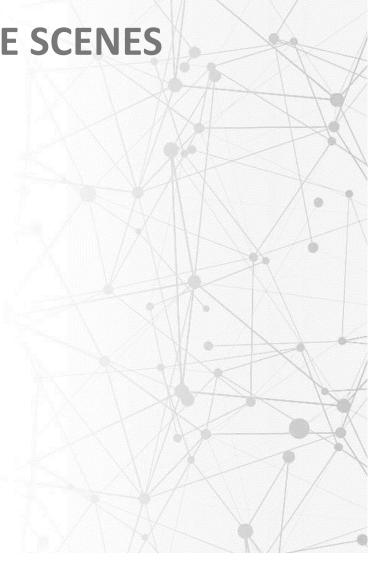
# IMAGE ACCESSIBILITY BEHIND THE SCENES CMS ISSUES AND SOLUTIONS

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# CONTENT MANAGEMENT SYSTEMS

### **Relevant Statistics**

- CMS powers over 50% of the world's websites today
- ~78% of the CMS, including WordPress, Drupal and Joomla, are using PHP\* programming language
- WordPress market share is ~65% -> ~ 42% of the world's websites

Source: https://w3techs.com

\* <u>PHP</u>: Hypertext Preprocessor (recursive acronym)







# **XMP and PHP**

IPTC Extension fields are defined in XMP\* format

• Alt Text and Extended Description are XMP fields

#### <u>lssue</u>

• PHP has no native functions for XMP

#### **Solution**

- Bundle XMP processing library with the CMS running on PHP
  - CLink "wraps" and bundles ExifTool (Perl) libraries with its WordPress plugin

## \* <u>XMP</u>: Extensible Metadata Platform. <u>ISO standard (16684-1)</u> since 2012!

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# **IMAGE PROCESSING IN CMS USING PHP**

### **Image Processing Libraries**

- <u>GD</u> > Part of the PHP library
- <u>ImageMagick</u> > Available in multiple programming languages including PHP

#### <u>Issue</u>

• GD strips the metadata

### **Solutions**

- Use ImageMagick (available on most hosts)
- Rewrite the metadata when GD is used > CLink does this in its WordPress plugin

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