Image Data Management

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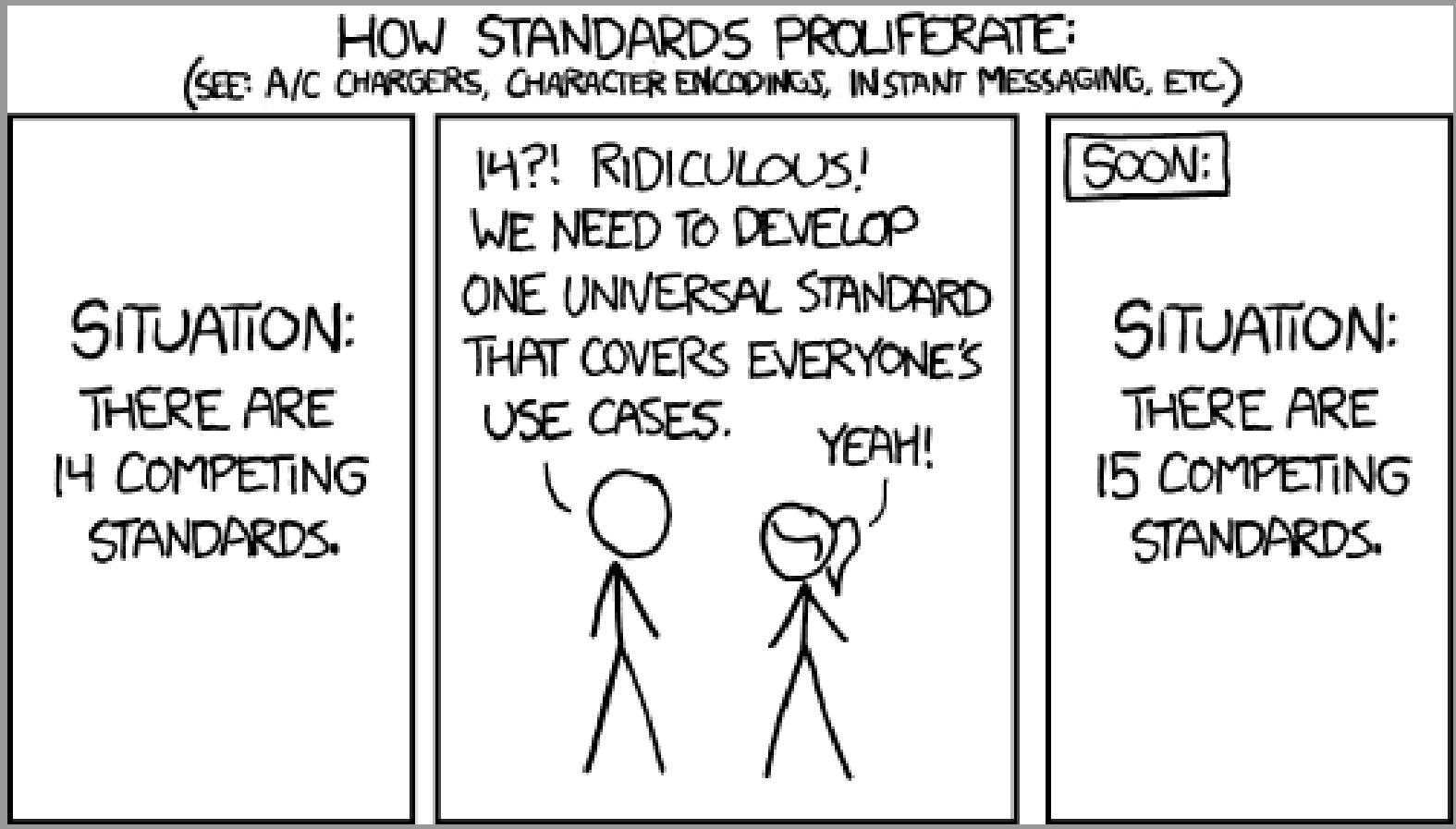
Microscope Image Analysis in 3 parts

1. What is in a microscope image
   - What is in a image?
   - Image display
   - ImageJ
   - Image acquisition
2. Images as N dimensional numeric arrays
   - N dimensional images
   - Spatial filters
   - Morphology
   - Connected components
3. Don't botch your data
   - File formats
   - Data storage
   - OMERO

Open Microscopy Environment

- bioformats
- OMERO
- OME-XML
- OME-TIFF

Files and metadata

- why some many formats?
- metadata saved may be format dependent
- use libraries and applications that respect you

Bioformats and OME-TIFF