

Practical Preservation for Everyone

*Why Digital Preservation Matters to you
and your community*

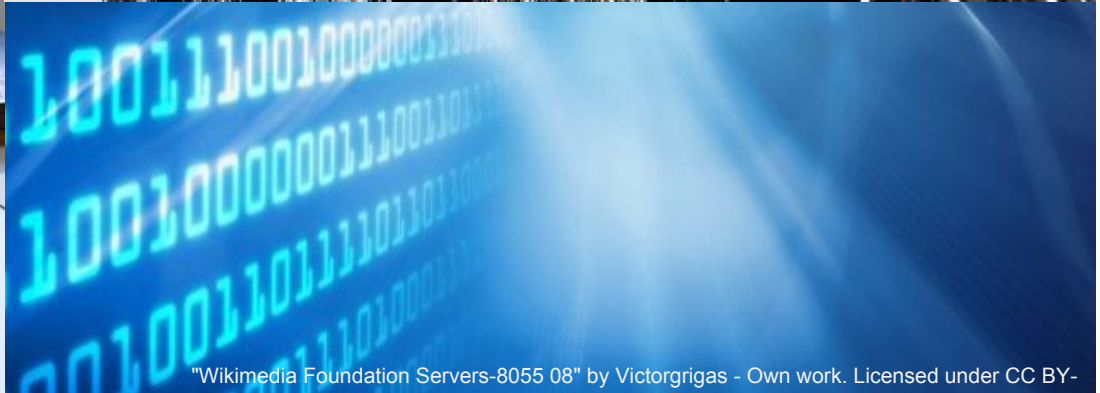
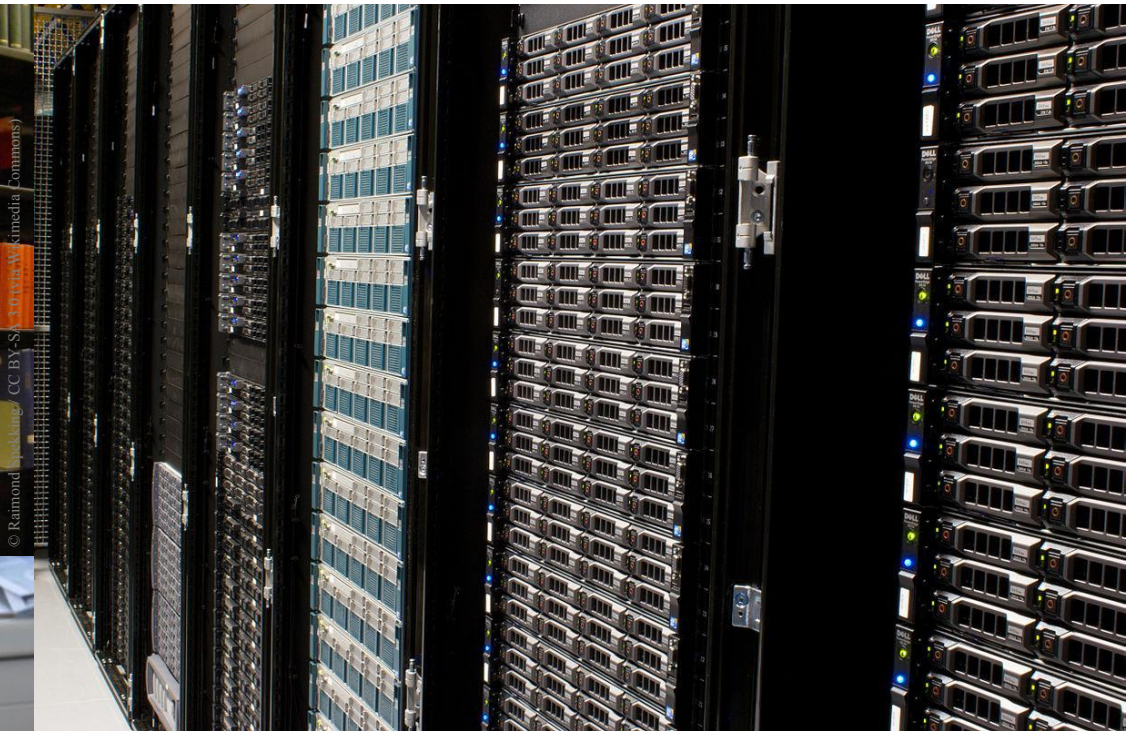


November 20, 2015
Flagstaff, AZ



Presented by
Sam Dyal and Matthew Harp

Digital Preservation



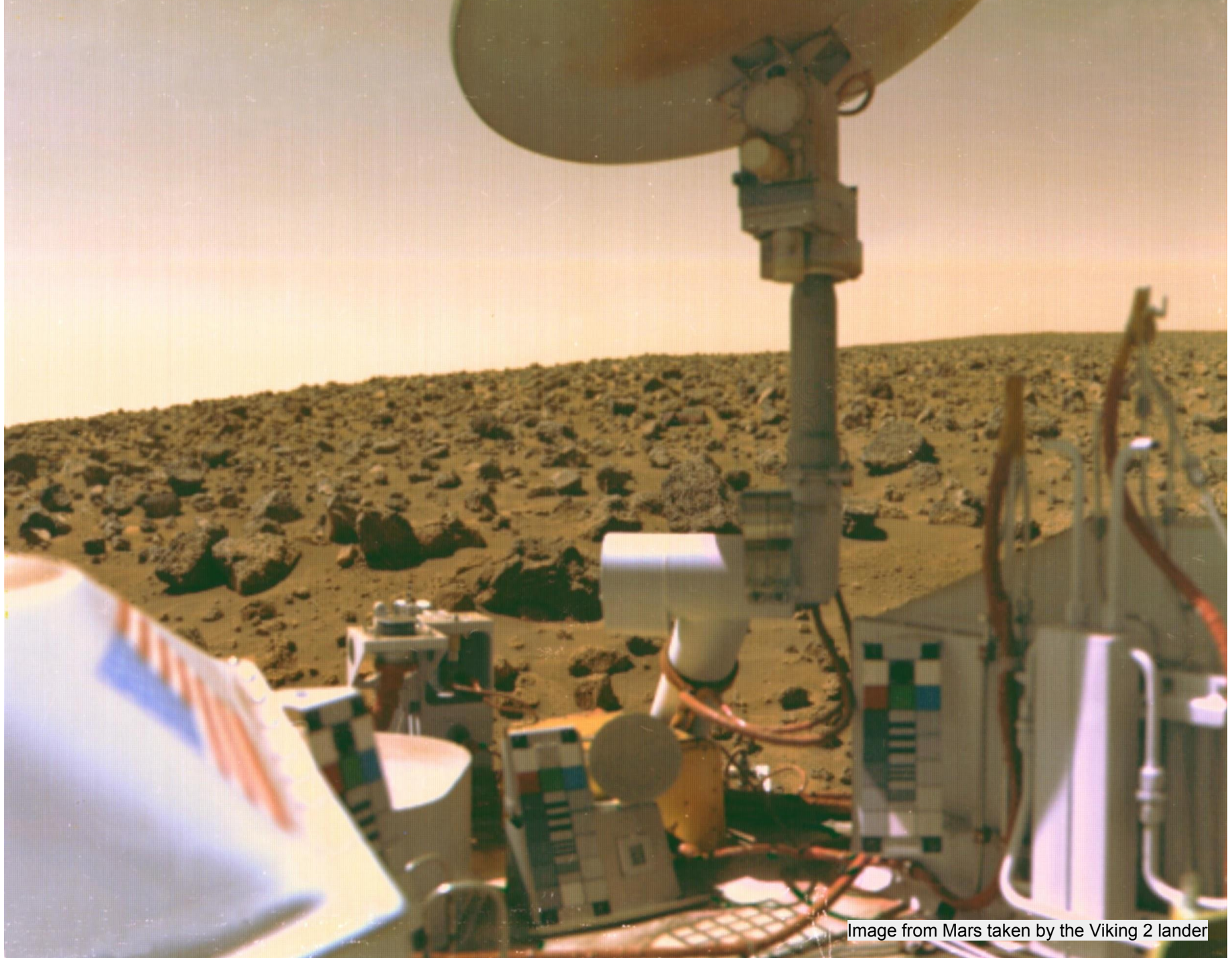
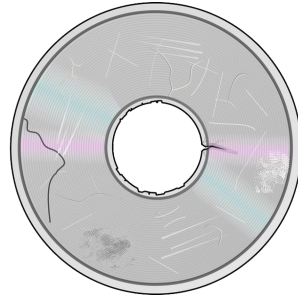
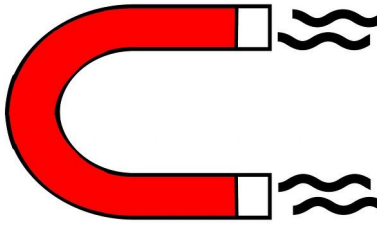
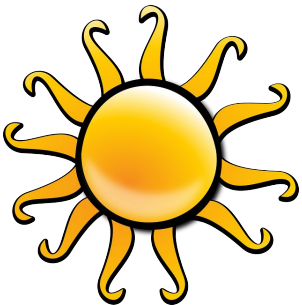


Image from Mars taken by the Viking 2 lander

How?



- **Obsolescence (ability to access)**
- **Damage**
- **User errors**
- **Equipment malfunctions**
- **Cyber attacks or virus**



It can Happen to You... and Me



Take Action

Identify, Organize, and Describe - avoid loss

Convert - fight obsolescence

Be secure - prevent attacks, damage

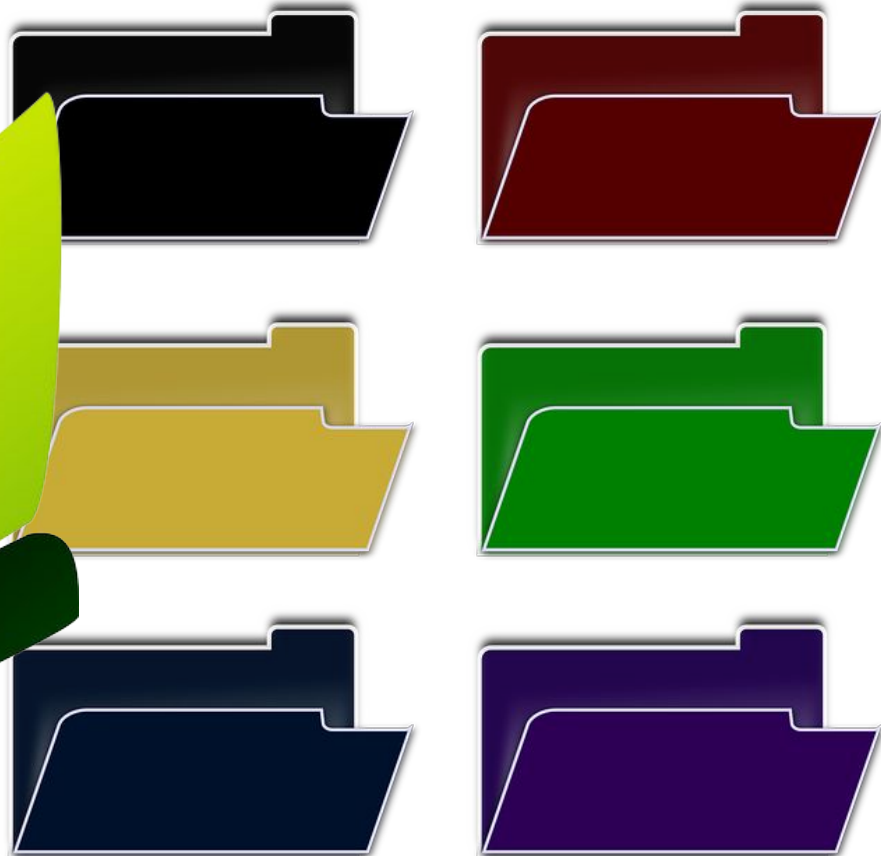
Back up Plan - save copies in multiple places



Identify



Main Archive



Organize

Describe



Title

Creator

Dates

Location

Subjects

The Usual Suspects

Filenames



IMG_2611.jpg

#@\$!.^

Feb 21' Matt Harp's.ext

07.12 MH 1.ext

20120712 subject/title 4.ext



20100228_HarpMatt.jpg
(yyyymmdd_LastFirst.ext)

20120701_HarpMatt_ALA_001.jpg
(yyyymmdd_Name_Place.ext)

separate_with-dashes_004.ext

Be Consistent

File Name	Meaning
20151119_AZ-C-P-N_01.ppt	YYYYMMDD_location-Event-Type_Version

Guide

Abbreviation	Meaning
AZ	Arizona
C	Conference
P	Presentations
N	Notes

Transfer and Convert

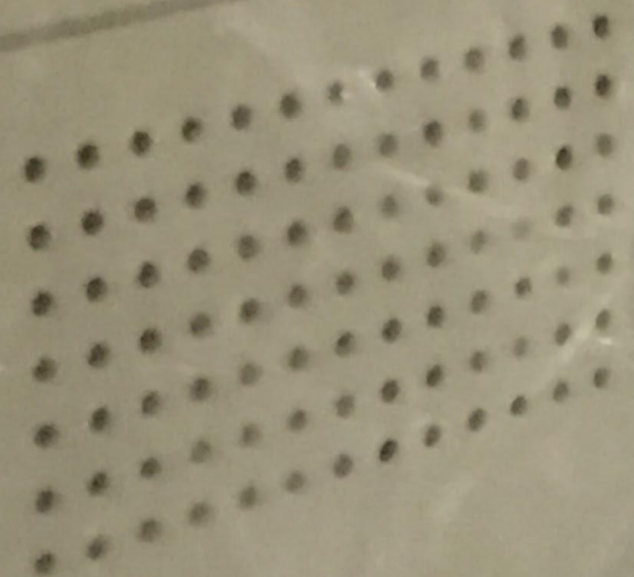
accessible sharable
usable



Power Macintosh G3

Power
Macintosh
001389

Handwritten text on a yellow sticky note, including the number 001389.

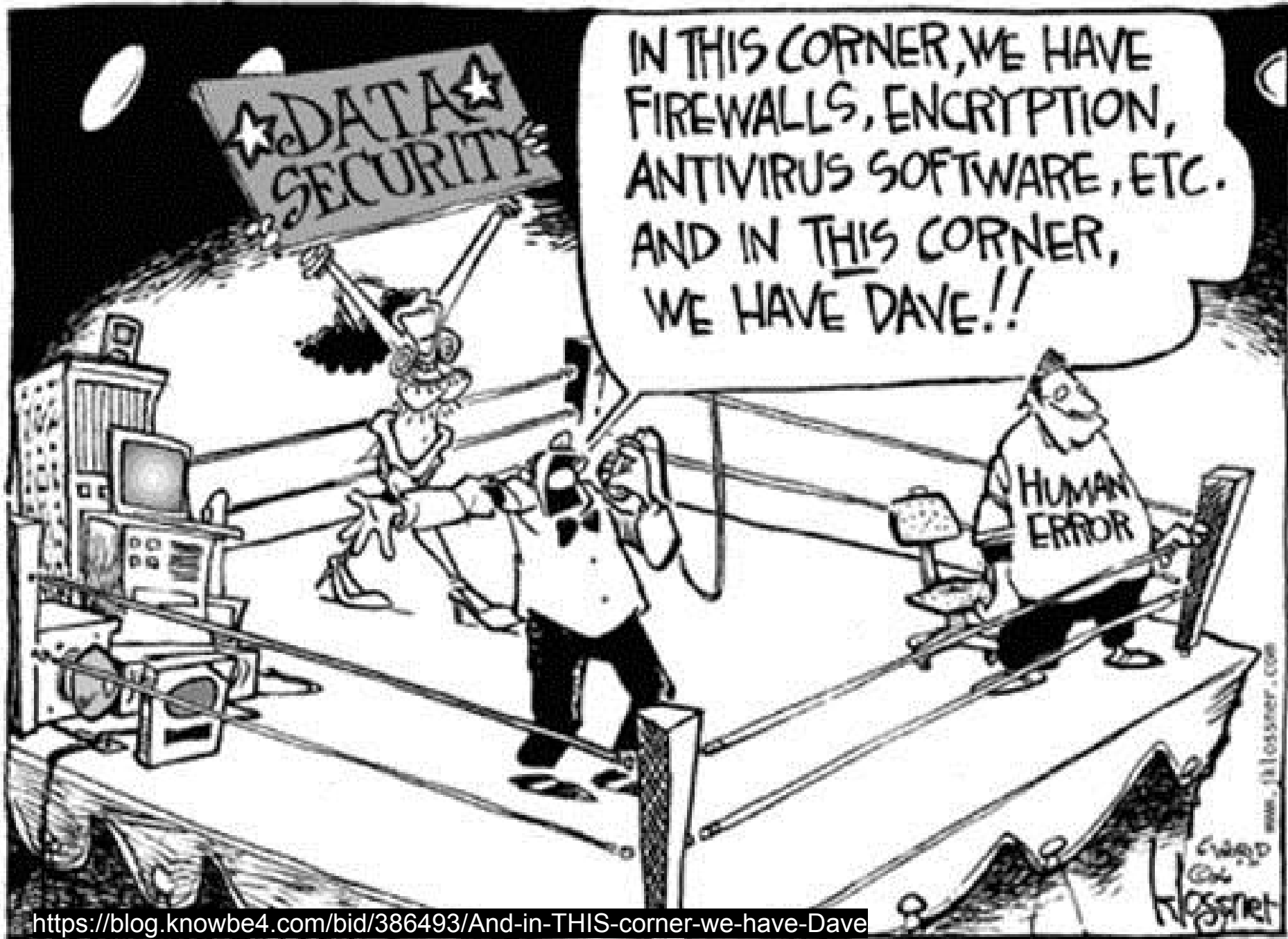


Recommended Formats

- **Video: MOV, MPEG, MP4**
- **Audio: WAV, MP3**
- **Images: TIFF, JPEG**
- **Text: PDF, ASCII, RTF**

Security

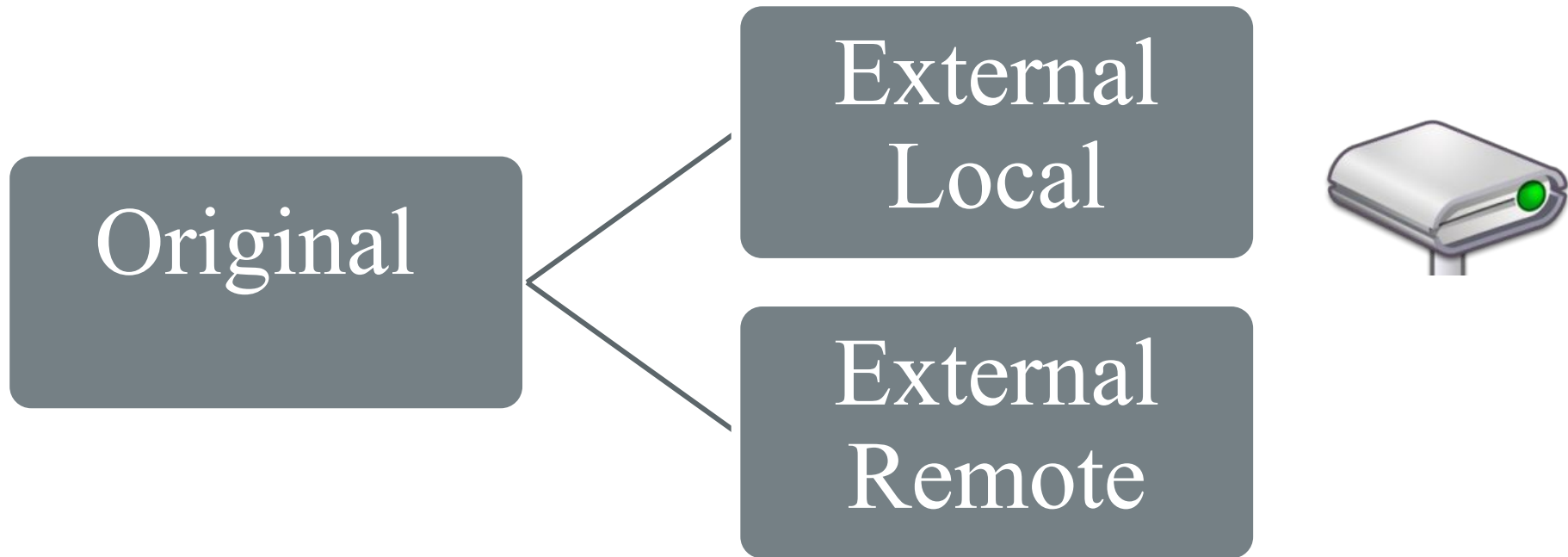




IN THIS CORNER, WE HAVE
FIREWALLS, ENCRYPTION,
ANTIVIRUS SOFTWARE, ETC.
AND IN THIS CORNER,
WE HAVE DAVE!!

<https://blog.knowbe4.com/bid/386493/And-in-THIS-corner-we-have-Dave>

The Backup Plan



I LOVE IT WHEN A BACKUP PLAN



COMES TOGETHER

Remember...

Action

- Identify, Organize, and Describe
- Transfer and Convert
- Be Secure
- Back it up - 3 places

Fights

Loss, deletion

Obsolescence

Cyber attacks

Damage

THANKS

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References

- BLAKESLEE, B. S. (1990,). Lost on earth: Wealth of data found in space: Scientists struggle to extract celestial images imprisoned on fragile, unlabeled tapes. lost on earth: A wealth of data found in 30 years in space.The New York Times.
- Personal Archiving, Preserving Your Digital Memories, Library of Congress, <http://digitalpreservation.gov/personalarchiving>

Research Data Preservation Instruction Modules

- New England Collaborative Data Management Curriculum: <http://library.umassmed.edu/necdmc/modules>
- DataONE education modules: <https://www.dataone.org/education-modules>

References

Preservation File Formats

Long-Term File Formats (Stanford)

<https://lib.stanford.edu/data-management-services/file-formats>

Sustainability of Digital Formats, Planning for Library of Congress Collections

http://www.digitalpreservation.gov/formats/fdd/browse_list.shtml

Get Involved and learn more about all of preservation

ALA Preservation Week

<http://www.ala.org/alcts/preservationweek>