

Practical experiences with JP2 at the British Library: Assessments and results

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Our digital collections

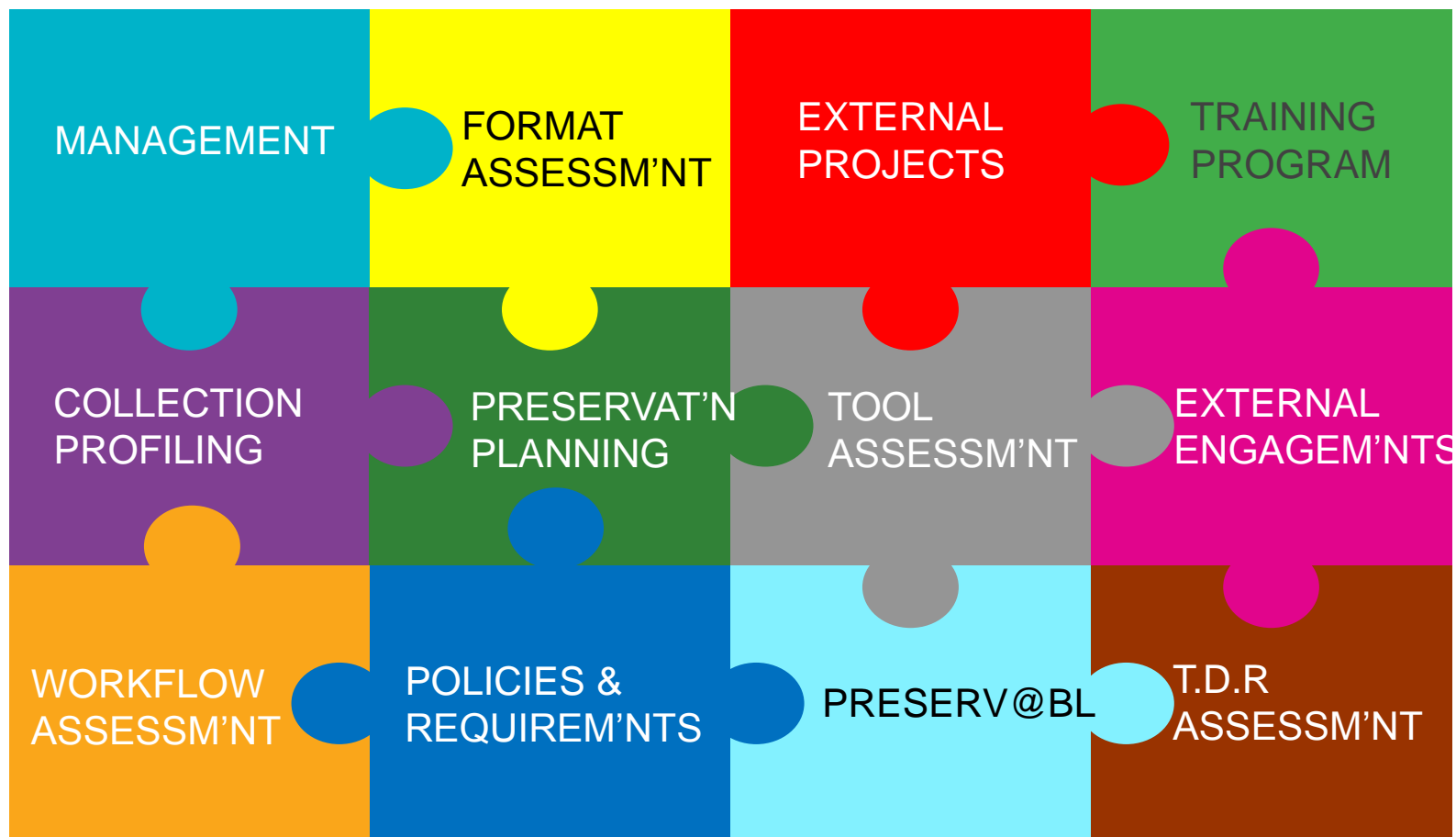


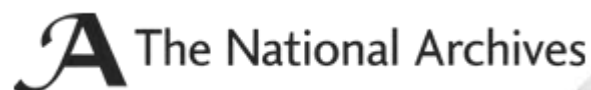
ETHOS
ELECTRONIC THESES ONLINE SERVICE
 Opening access to UK theses



Dear Wendy
 thank you so much, you have made my day! as you are a hero of mine.
 I will be very careful and will include everything you wanted. People will really enjoy these,
 Best wishes
 Paula

DP R&D Programme





THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL



Format assessments: Lessons Learned

1. Real world Evidence is better than Theory
2. Be clear on purpose and intended audience
3. Be aware of Misleading Measures!

CATEGORIES

*DEVELOPMENT
STATUS*

*ADOPTION
AND USAGE*

*EXTERNAL
DEPENDENCIES*

*SOFTWARE
SUPPORT*

COMPLEXITY

*EMBEDDED OR
ATTACHED CONTENT*

LEGAL ISSUES

*TECH.
PROTECTION
MECHANISMS*

*DOCUMENTATION
AND GUIDANCE*

'OTHER'...

Understanding (contextual) preservation risks allows you to understand your current capacity for managing and preserving instances of file formats in your collection.

And, if desired, to instigate mitigating actions for dealing with those risks.

But it's not just about formats.

It's also about characteristics.

That means getting the profile right.

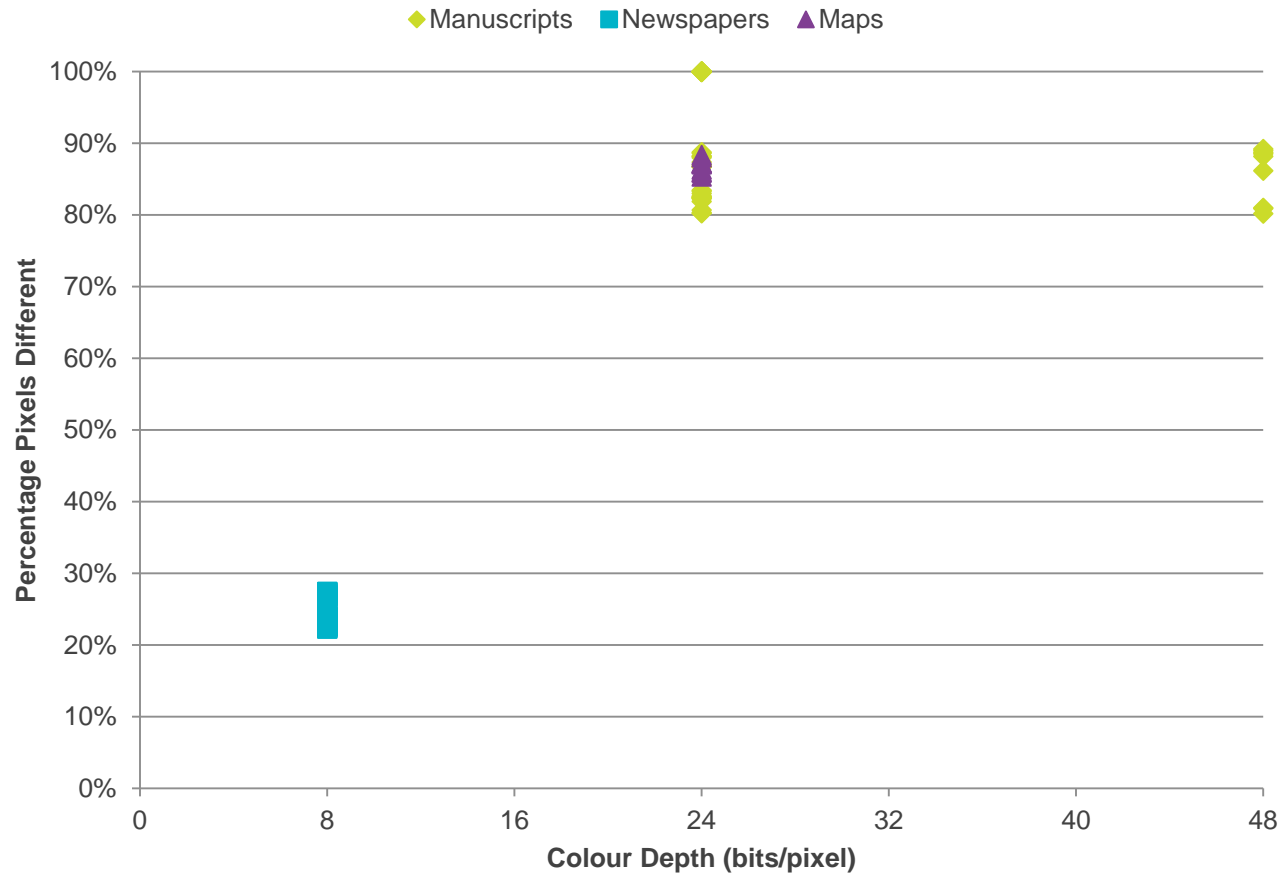
British Library JP2 profile

Parameter/Field Value	Value
Compression:	Lossy
Number of components:	3
Component Transform:	Yes (irreversible)
Tile size:	One tile for entire image
Wavelet Filter:	9-7 irreversible
Number of levels:	Variable; 6 used for test image
Number of layers:	Multiple
Progression order:	RPCL
Codestream markers:	Packet-length markers
Precincts:	256x256, 256x256, 128x128
Codeblock size:	64x64
Coder Bypass:	Yes

**Designed in
2011**

**Designed for
newspapers**

**Designed by
external
consultant**



Percentage of Pixels Different depending on Colour Depth (bits/pixel) across all tested files



TIFF#1



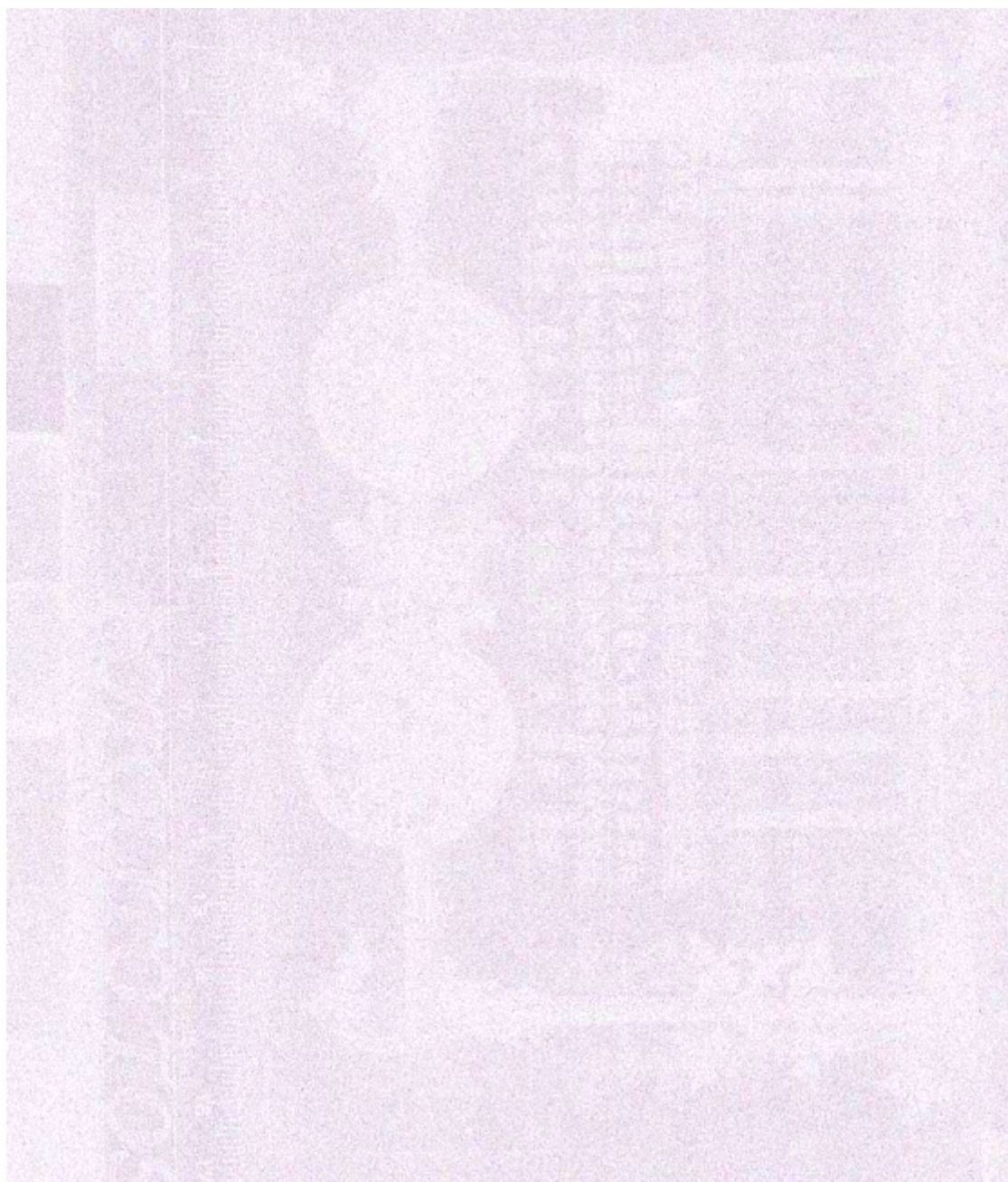
TIFF#2



TIFF#1



TIFF#2



Takeaways

- Contextualised format assessments are really useful!
- Understand your REQUIREMENTS
- TEST your processes
- Document EVERYTHING about your tests
- SPEAK to content owners about what you do
- Don't do stuff just because other people are doing it

Thanks for listening.

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