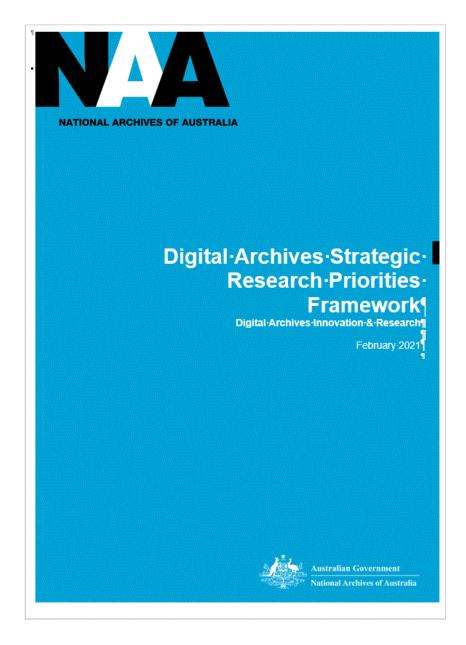


Technology Watch

Digital Archiving Innovation and Research (DAIR)

- Leading research and innovation in digital archiving policy, methodologies, techniques, and practice
- Promoting and supporting staff digital archiving capability to support the National Archives vision, priorities and strategies
- Contributing subject matter expertise to NAA projects and operations
- Technology watch is a component of our brief



Types of Research



Horizon scanning

- Archival strategies & emerging practice, including indigenous collections
- 'Stretch' topics less based in current operations
- May not have a clear implementation pathway
- Often with national / international partners



Commissioned archival practices and techniques

- More attuned to operational needs, pain points and challenges
- Must have an identified business owner within NAA
- Focus on pragmatic outcomes for business improvement











Software Preservation Network

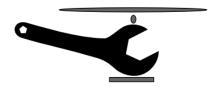


















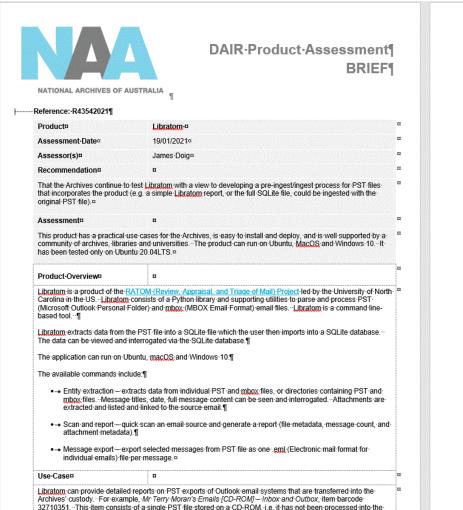




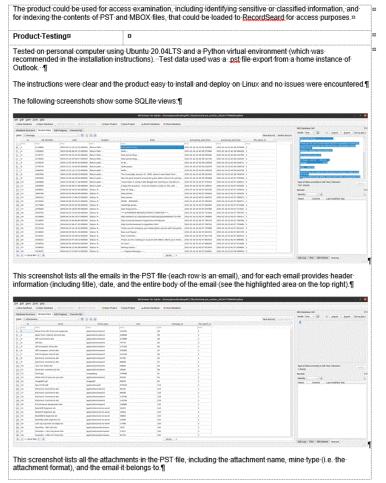
Horizon Scanning and Technology Watch Register

A	В	С	D	E	F	G	Н		J	K	L M	N	0	P	疆
• • _	Sub	Topic/Technology	Description	Sourced from	Date added						Date last Updated	by Outcome	RkS	Comments	extern
Technology			A project to develop a scalable emulation to support a shared emulation capability	Yale University, Software Preservation Network	6-Jan-21		▼ DAIR by ▼	Test	James Doig, Carey Garvie, Tim Mifsud, Bridget Dexter	N	updated ▼	•	* Reference 2019/3387	Tim Mifsud attended workshop on EaaSI at IDCC in Dublin 2020	https:/
Technology	_	Virtual Research Environment (VRE) - DDHN & OPF	virtual platform containing key digital preservation tools	DP JISC listserv	5-Jan-21	CG	Yaso Arumugam	Test	James Doig, Tim Mifsud, Carey Garvie	Y	05-Jan-21 CG	Response provided to ADG	2020/4159		Virtual
Technology			software to assist with email analysis, selection and appraisal tasks		5-Jan-21	CG		Test	James Doig	N					Review
Technology	-	BitCurator environment UNC, Chapel Hill	Suite of digital forensics tools	Cal Lee	5-Jan-21	.CG		Test	James Doig, Carey Garvie	N				Carey Garvie attended workshop on BitCurator post IDCC 2019. Initial testing on café laptop with 3.5" floppy disks.	https://
Technology		Digital Preservation Framework - NARA	NARA risk management approach to digital preservation of file formats. Includes risk matrix and preservation action plans for over 500 file formats	NARA	5-Jan-21	CG							2020/984	Nathan Andrews looked at initial version as part of DAT work. No review undertaken as yet on the finalised product.	GitHub v
Technology	managemen t	DiAGRAM - Digital Archives Graphical Risk Assessment Model - TNA & Uni of Warwick	Tool to assess level of risk to digital collections utilising Bayesian network	DPC listserv	5-Jan-21	. CG		Watch	James Doig	Y			2020/2573	Participated in TNA workshop in July 2020	Safegua
Technology	file format	PRONOM - TNA	File Format Registry developed by TNA (supports DROID - file format identification tool). TNA proposing key updates as outlined in R4102021 - includes new data model (graph data, linked data)	documentation	5-Jan-21	CG		Watch					2021/76		
Technology		Web Curator Tool (WCT) - NLNZ & NL Netherlands	management tool for selective web	OPF Conference documentation 2020	5-Jan-21	CG		Watch					2021/76	Web Archiving Tool, may be useful if NAA decides to undertake this work in future	ח

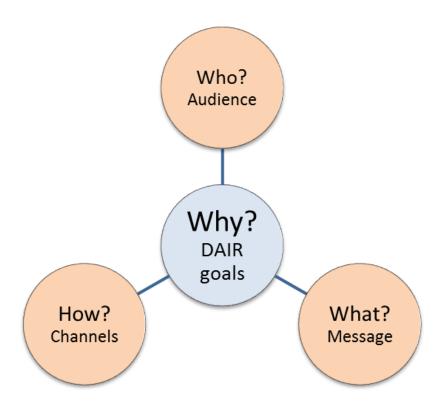
Product Assessment Template



digital archive. There is no metadata about the record(s) or index of the contents of the PST file. Libratom would



Communication Plan



Thank You!



Australian Government

National Archives of Australia

naa.gov.au