1 RELAÇÃO DE TRABALHOS ANALISADOS

Ano de publicação	2008		2010			2011			2012	2013	2014	2015			
Paper	A19 [10]	A18 [7]	A12 [13]	A13 [8]	A10 [9]	A9 [14]	A15 [11]	A11 [3]	A8 [12]	A5 [2]	A6 [1]	A1 [6]	A2 [5]	A3 [4]	A4 [15]
Tipo da Pesquisa	Revisão	Mapeamento*	Experimental	Mapeamento*	Tórica	Teórica	Experimental	Experimental	Experimental	Mapeamento*	Experimental	Teórico	Experimental	Experimental	Mapeamento*
Ferramenta			Trident			PanSTARRS			prOOst					PROV-O-viz	
Padrão	OPM	OPM	OPM	OPM	OPM	OPM	OPM	OPM	OPM	OPM	PAV	OPM	PROV-O	PROV-O	PROV-O
Domínio			Oceanografia			Astronomia	Atmosfera			Geoespacial	Biomedicina		Seg. Alimentar		Genes
Consulta			SQL			SQL			Gremlin				MySQL		
Implementação			.NET			C, Java				Java			Java		
Reprodutibilidade		Parcial	Parcial	Sim			Parcial		Parcial	Parcial	Parcial		Parcial		Parcial
Input			XML			CSV				XML	XML			XML, RDF	
Output			XML					XML	Grafo	XML, RDF	XML, RDF		XML	Grafo	
Armazenamento			Relacional			Relacional			Neo4J				MySQL		

Table 1: Panorama geral do mapeamento. Fonte: Os autores.

** Mapeamento entre estruturas distintas.*

Os itens não preenchidos não foram identificados nos textos.

REFERENCES

[1] Paolo Ciccarese, Stian Soiland-Reyes, Khalid Belhajjame, Alasdair JG Gray, Carole Goble, and Tim Clark. 2013. PAV ontology: provenance, authoring and versioning. *Journal of biomedical semantics* 4, 1 (2013), 37.

[2] Chen-Chieh Feng. 2013. Mapping geospatial metadata to open provenance model. *IEEE transactions on geoscience and remote sensing* 51, 11 (2013), 5073–5081.

[3] Paul Groth and Luc Moreau. 2011. Representing distributed systems using the Open Provenance Model. *Future Generation Computer Systems* 27, 6 (2011), 757–765.

[4] Rinke Hoekstra and Paul Groth. 2014. PROV-O-Viz-understanding the role of activities in provenance. In *International Provenance and Annotation Workshop*. Springer, 215–220.

[5] Ni Jing. 2015. A PROV-O based approach to web content provenance. In *Logistics, Informatics and Service Sciences (LISS), 2015 International Conference on*. IEEE, 1–6.

[6] Natalia Kwasnikowska, Luc Moreau, and Jan Van Den Bussche. 2015. A formal account of the open provenance model. *ACM Transactions on the Web (TWEB)* 9, 2 (2015), 10.

[7] Natalia Kwasnikowska and Jan Van den Bussche. 2008. Mapping the NRC dataflow model to the open provenance model. In *International Provenance and Annotation Workshop*. Springer, 3–16.

[8] Simon Miles. 2011. Mapping attribution metadata to the Open Provenance Model. *Future Generation Computer Systems* 27, 6 (2011), 806–811.

[9] Luc Moreau, Ben Clifford, Juliana Freire, Joe Futrelle, Yolanda Gil, Paul Groth, Natalia Kwasnikowska, Simon Miles, Paolo Missier, Jim Myers, et al. 2010. The open provenance model core specification (v1. 1). *Future generation computer systems* 27, 6 (2010), 743–756.

[10] Luc Moreau, Juliana Freire, Joe Futrelle, Robert E McGrath, Jim Myers, and Patrick Paulson. 2008. The open provenance model: An overview. In *International Provenance and Annotation Workshop*. Springer, 323–326.

[11] Jerry Pan, Christopher Lenhardt, Bruce Wilson, Giri Palanisamy, Robert Cook, and Biva Shrestha. 2011. Geoscience data curation using a digital object model and open-source frameworks: Provenance applications. In *Geoscience and Remote Sensing Symposium (IGARSS), 2011 IEEE International*. IEEE, 3815–3818.

[12] Andreas Schreiber, Miriam Ney, and Heinrich Wendel. 2012. The provenance store proost for the open provenance model. In *International Provenance and Annotation Workshop*. Springer, 240–242.

[13] Yogesh Simmhan and Roger Barga. 2011. Analysis of approaches for supporting the Open Provenance Model: A case study of the Trident workflow workbench. *Future Generation Computer Systems* 27, 6 (2011), 790–796.

[14] Yogesh Simmhan, Paul Groth, and Luc Moreau. 2011. The third provenance challenge on using the open provenance model for interoperability. *Future Generation Computer Systems* 27, 6 (2011), 737–742.

[15] Mingfang Wu and Andrew Treloa. [n. d.]. Metadata in Research Data Australia and the Open Provenance Model: A Proposed Mapping. In *21st International Congress on Modelling and Simulation, Gold Coast, Australia.*