Constructing domain-specific knowledge graphs (KGC)

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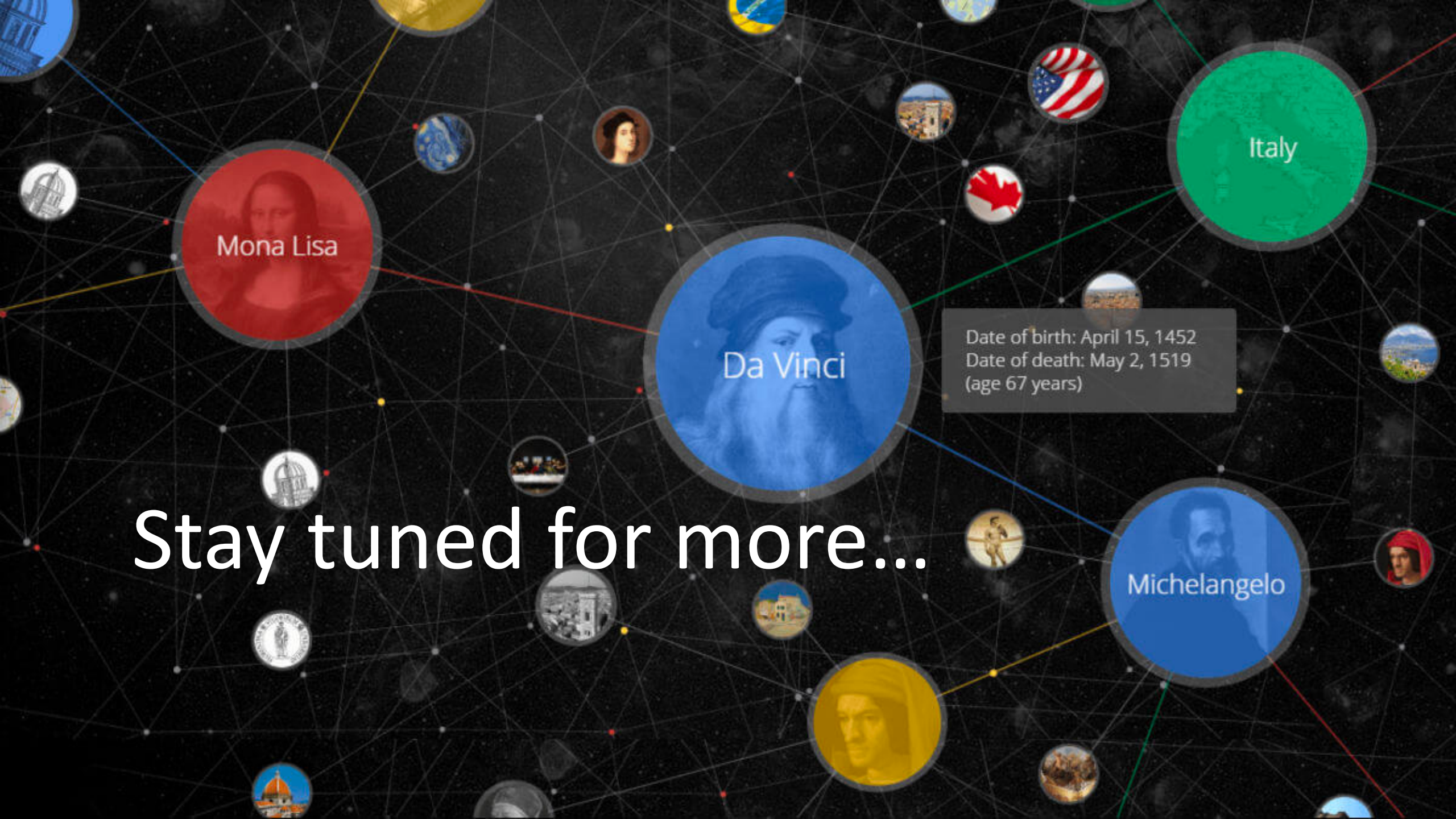
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Agenda

Time	Content	Material/Format	Additional Notes
9:00-9:15	Introduction to knowledge graph construction and information extraction	Slides	Basic introduction
9:15-9:40	Landscape of IE research most relevant to our presentation	Slides	Includes comparisons to fields like Named Entity Recognition and Relation Recognition
9:40-10:30	IE and KGC on unstructured data	Slides	Semi-automatic IE for unstructured data like text docs., scraped websites etc.
10:30-11:00	Coffee Break		
11:00-11:15	Introduction to activities/set-up	Slides/Data/Executable Code	Organizers will help participants to set up if necessary
11:15-12:10	2 hands-on IE activities for real-world unstructured data	Slides	Participants can choose to do any or both activities in any order
12:10-12:30	Wrap up of unstructured IE	Slides	
12:30-2:00	Lunch break		

Agenda (Cont'd)

2:00-2:45	IE and KGC on semi-structured data	Slides	Includes techniques such as wrapper induction
2:45-3:30	1 hands-on activity involving Inferlink tool	Slides/Data/Executable Code	Inferlink is a state-of-the-art wrapper induction tool that also has support for Web crawling
3:30-4:00	Coffee Break		
4:00-4:30	IE and KGC on structured data (e.g., tables)	Slides	Structured IE using state-of-the-art algorithms published recently in ISWC
4:30-5:10	1 hands-on activity	Slides/Data/Executable Code	Will involve implemented versions of the algorithms mentioned above, as well as the Karma tool.
5:10-5:30	Open problems, wrap-up and discussion	Slides	

Stay tuned for more…