Abstract: Over the last few years we have seen a rapid growth in the Web of Data where now statistics indicate that there are around 100 billion semantic statements available on the Web. Governments, especially the US and UK Governments, are producing hundreds of thousands of public datasets in machine readable form on the Web using Web standards such as RDF(S) and SPARQL. Major Web and Media players such as Google, Facebook, Yahoo!, Microsoft and the BBC are now using this technology. In this talk I will describe work that we have been carrying out in the area which we term "Linked Services" which seeks to connect the spheres of Linked Data and Web services to form a new global computing platform. I will illustrate the talk with a number of applications we have been involved.

BRIEF BIOGRAPHY

Prof. John Domingue is the Deputy Director of the Knowledge Media Institute at The Open University and the President of STI International, a semantics focused networking organization. He has published over 200 refereed articles in the areas of Artificial Intelligence and the Web and his current work is focused on how semantic technology can automate the management, development and use of Web services and on the relationship between Linked Data, rich media and education. Over the last decade John Domingue has served as the Scientific Director for three large European projects covering semantics, services, the Web and business process management. He current serves as Chair of the Steering Committee for the ESWC Conference Series. From 2008-2012 he served as a member of the Future Internet Assembly Steering Committee which helped coordinate the activities of over 150 EU projects with a combined budget of over 500M Euros. He is the Project Coordinator for two EU projects: FORGE which will connect Europe’s main Internet research and experimentation facilities to eLearning and Linked Data technologies and the European Data Science Academy which will increase the number of skilled data scientists within European industry. He is the founder and Director of the ESWC Summer and serves on the editorial board for the Journal of Web Semantics and the Applied Ontology Journal.