

## Frontiers of Data Science for Government: Ideas, Practices, and Projections

15-16 September 2016 | University of Cambridge

[dataforpolicy.org](http://dataforpolicy.org) | [@dataforpolicy](https://twitter.com/dataforpolicy)

### Abstract submission deadline: Monday, 16 May 2016

Data Science is emerging as a key interdisciplinary research field to address major contemporary challenges across sectors. Particular focus on the government sector offers huge potentials to advance citizen services and collective decision-making processes. To reflect the diversity of skills and knowledge required to tackle challenges in this domain, the conference offers an open discussion forum for all stakeholders. We invite individual and/or group submissions from all relevant disciplines and application domains. Topics covered include but are not limited to the following:

- **Government & Policy:** Digital era governance and citizen services, public demand vs. government response, using data in the policy process, open source and open data movements, policy laboratories, citizen expertise for government, public opinion and participation in democratic processes, distributed data bases and data streams, information and evidence in policy context, case studies and best practices.
- **Policy for Data & Management:** Data collection, storage, and access; psychology/behaviour of decision; privacy, trust, public rights, free speech, ethics and law; data security/ownership/linkage; provenance, curation, expiration; private/public sector/non-profit collaboration and partnership, etc.
- **Data Analysis:** Computational procedures for data collection, storage, and access; large-scale data processing, dealing with biased/imperfect/uncertain data, human interaction with data, statistical/computational models, technical challenges, communicating results, visualisation, etc.
- **Methodologies:** Qualitative/quantitative/mixed methods, gaps in theory and practice, secondary data analysis, web scraping, randomised controlled trials, sentiment analysis, Bayesian approaches and graphical models, biologically inspired models, real-time and historical data processing, simulation and modeling, small area estimation, correlation & causality based models, and other relevant methods.
- **Data Sources:** Government administrative data, official statistics, commercial and non-profit data, user-generated web content (blogs, wikis, discussion forums, posts, chats, tweets, podcasting, pins, digital images, video, audio files, advertisements, etc.), search engine data, data gathered by connected people and devices (e.g. wearable technology, mobile devices, Internet of Things), tracking data (including GPS/geolocation data, traffic and other transport sensor data, CCTV images etc.), satellite and aerial imagery, and other relevant data sources.
- **Policy/Application Domains:** Security, health, cities, public administration, economy, science and innovation, finance, energy, environment, social policy areas (education, migration, etc.) and other relevant domains.

Extended abstracts for individual submissions should not exceed 1000 words and group/special session submissions are limited to 4500 words (including general session description and abstracts for each of the presentations in the session). Please note that this conference will also mark the launch of the new **Data for Policy Discussion Paper Series**. All submissions will also be considered for this series and those selected will be invited to submit full discussion papers prior to the conference. Consideration will also be given for other post-conference publications (e.g. special journal issues and policy reports).

**Submissions are accepted through the official conference website – [dataforpolicy.org](http://dataforpolicy.org)**

Please note that special session proposals can be submitted for research panels, policy workshops, fringe meetings, tutorials, demonstrations, and other innovative formats as relevant to conference audience. Organisations can get in touch with Data for Policy Team ([team@dataforpolicy.org](mailto:team@dataforpolicy.org)) to discuss potential **partnership & sponsorship opportunities and/or group discounts**.

Please also note that special discounts with conference registration fees will be applied to students and early career researchers. Limited funding is also available to support travel expenses of exceptional candidates. For those wishing to be considered for travel support please send a CV and covering letter to the conference team after completing your submission and before the submission deadline.

All general enquiries about the conference should be directed to the Data for Policy Team at [team@dataforpolicy.org](mailto:team@dataforpolicy.org)

### **Important Dates:**

Abstract submission deadline: Monday, 16 May 2016  
Notification of acceptance: Friday, 17 June 2016  
Presenters' registration deadline: Monday, 1 August 2016  
Discussion Paper submission deadline: 15 August 2016  
Public registration deadline: Thursday, 1 September 2016  
Conference: Thursday-Friday, 15-16 September 2016

### **Partner Institutions:**

Computer Laboratory, University of Cambridge | European Commission | The Alan Turing Institute | Office for National Statistics | Data Science Institute, Imperial College London | Department of Computer Science, University College London | Oxford Internet Institute, University of Oxford | Department of Methodology, London School of Economics and Political Science | Royal Statistical Society | London Innovation Society | Centre for Science and Policy, University of Cambridge | UCL Public Policy | Technopolis Group

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## Partnership & Sponsorship opportunities:

Data for Policy committee invites research institutions/groups, government departments, non-profit initiatives, companies and all other stakeholders to join its consortium for the 2016 conference. Opportunities are available in the following categories: ***Strategic partnership and main conference sponsorship, special sessions partnership (research panels, fringe meetings, policy workshops, tutorials, special demonstrations, etc.), corporate sponsorship, publishing partnership, exhibitions and recruitment stands.*** Potential partners and sponsors for the Data for Policy 2016 conference should contact the conference team ([team@dataforpolicy.org](mailto:team@dataforpolicy.org)) to discuss the opportunity.