



OPEN DATA: UNLOCKING THE DATA REVOLUTION

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Seminar on Emerging Issues

MANAGING THE DATA REVOLUTION

45th UN Statistical Commission

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OPEN DATA IS HERE TO STAY

- Not a passing fad
- NSOs can play an important role
- And face new opportunities and challenges



GROWING DEMAND FOR DATA

- Citizens, NGOs, businesses
- News media
- Global development agendas:
MDGs; Rio +20; Post-2015
Development Goals; IATI



SUPPLY SIDE OPPORTUNITIES

- Modernize national statistical systems
- Increase coverage
- Reach a larger audience
- Raise the profile of NSOs



SUPPORT FOR OPEN DATA IS GROWING

- New partnerships
- Technical and financial support
- Knowledge sharing
- Much more is needed



THE VALUE OF OPEN DATA

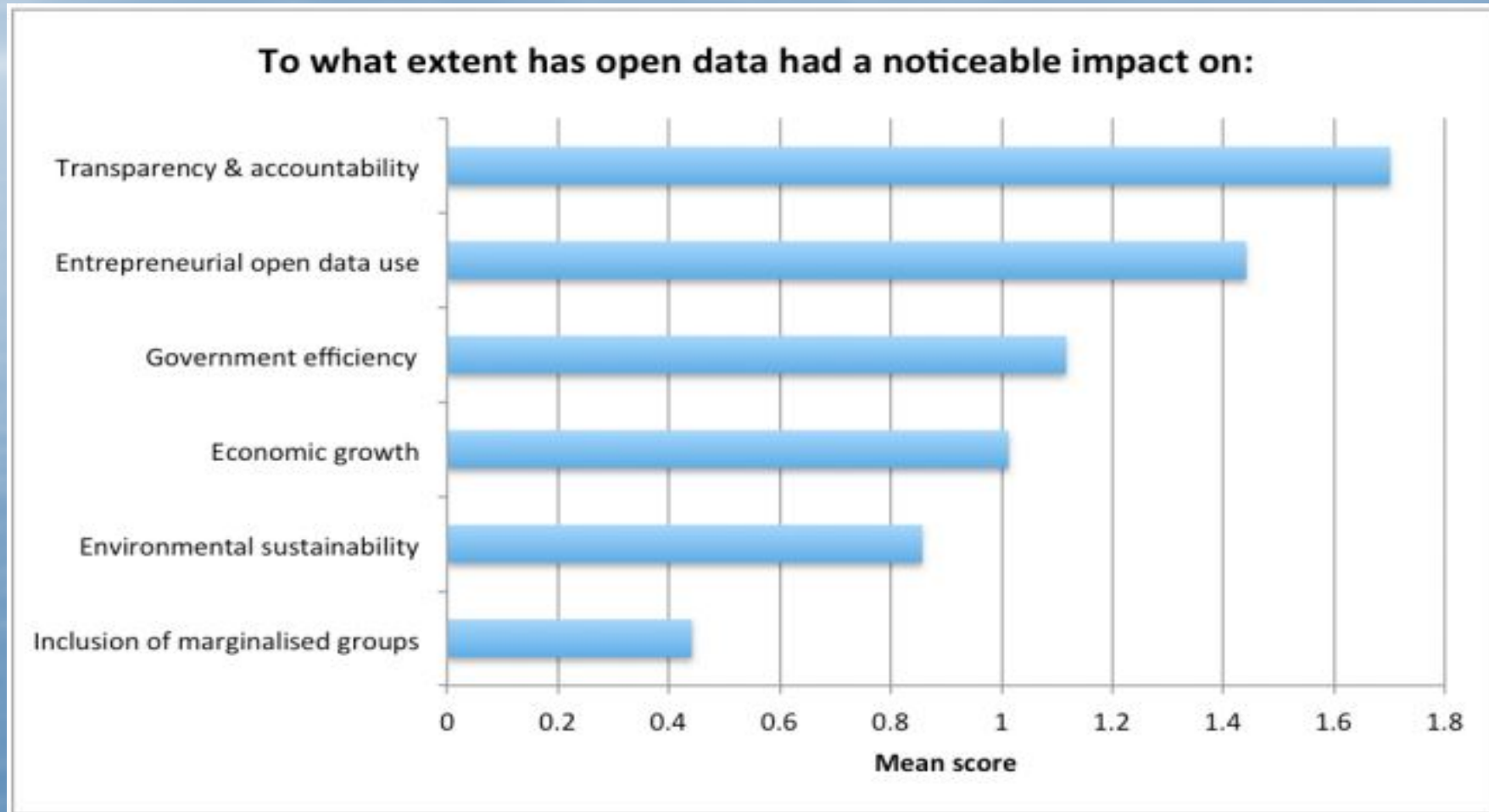
“An estimated \$3 trillion in annual economic potential could be unlocked across seven domains. These benefits include increased efficiency, development of new products and services, and consumer surplus.”

McKinsey & Co.

Open data: Unlocking innovation and performance with liquid information



THE IMPACT OF OPEN DATA



Source: Web Foundation, "Open Data Barometer: 2013 Global Report"
www.opendatabarometer.org



WHAT IS OPEN DATA?

- Available free of charge or at no more than reasonable reproduction costs
- Available to all without discrimination
- Readily accessible, preferably over the Internet and in non-proprietary, machine readable formats
- Licensed for use and reuse for any purpose
- Appropriately documented and free of known defects







































































































Rating openness

Open Data Index

1. Data exist
2. Publically available
3. Digital format
4. Free of charge
5. Online
6. Machine readable
7. Available in bulk
8. Open licensed
9. Up to date

Datasets / Public Transport Timetables

On this page you can see the state of open data for Public Transport Timetables across all countries for which we have information (displayed down the left hand side). Each icon in the data availability column represents important factors indicating data accessibility or availability - mouse over the icons to see what they are and the colours correspond to yes / no / unsure / no data.

Country	Score	Breakdown	Location (URL)	Information
United Kingdom	100%	        	http://data.atoc.org/rail-industry-data	  
Finland	100%	        	http://developer.matka.fi/pages/en/home.php	  
Norway	90%	        	http://labs.trafikanten.no/how-to-use-the-api.aspx	  
Sweden	80%	        	http://www.trafiklab.se/api/gtfs-sverige	  
United States	75%	        		  
Netherlands	70%	        	http://9292opendata.org/datacollecties	  
Israel	70%	        	http://he.mot.gov.il/index.php?option=com_cont...	  
Moldova	60%	        	http://www.autogara.md/orar/	  
France	60%	        	http://test.data-sncf.com/index.php/	  
Ireland	60%	        	http://www.transportforireland.ie/	  
Denmark	60%	        	http://labs.rejseplanen.dk/labs/data__brug/rejs...	  
Russian Federation	45%	        	http://pass.rzd.ru	  

Source: Open Knowledge Foundation, (Open Data Index)
<https://index.okfn.org/country/dataset/timetables>



NSO DATASETS NOT THE MAIN FOCUS

Open Data Index

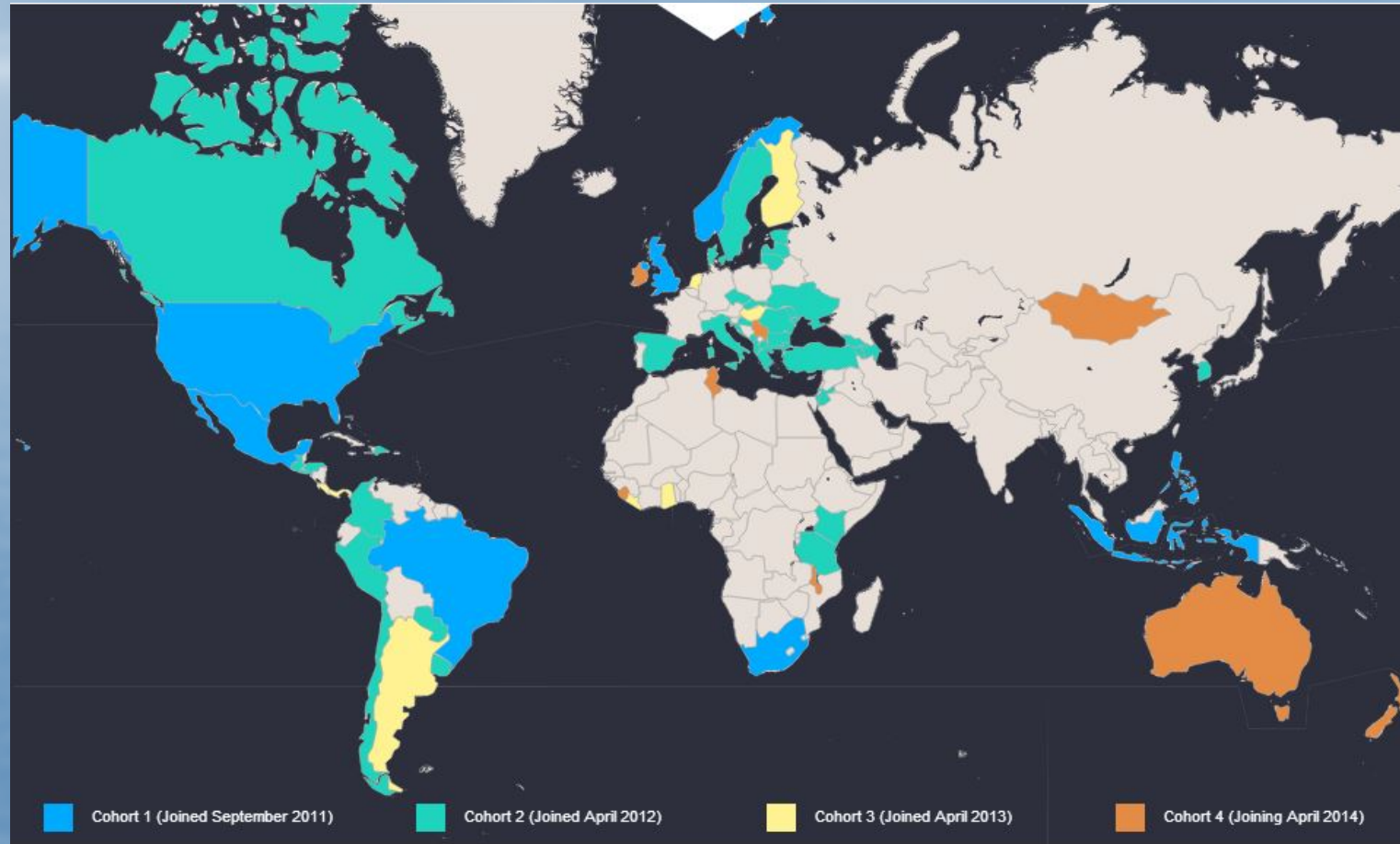
1. Transport Timetables
2. Government Budget
3. Government Spending
4. Election Results
5. Company Register
6. National Map
7. National Statistics
8. Legislation
9. Postcodes / Zip codes
10. Emissions of pollutants

Open Data Barometer

1. Map Data
2. Public Transport Timetables
3. Crime Statistics
4. International Trade Data
5. Health Sector Performance
6. Primary or Secondary Education
7. National Environment Statistics
8. Detailed Census Data
9. Land Ownership Data
10. Legislation
11. National Election Results
12. Detailed Government Budget
13. Detailed Government Spend
14. Company Register



MANY COUNTRIES NOT ON BOARD YET



Source: Open Government Partnership
<http://www.opengovpartnership.org/>



NSOs MOVING TOWARD OPEN DATA

- What's holding us back?
- Role of NSOs in open data initiatives
- Turning technical challenges into opportunities



ROLE OF NSOs IN OPEN DATA INITIATIVES

- Align NSO with national initiative
- Include Open Data in national statistical plan
- Update dissemination policies
- Develop partnerships – public and private
- Outreach



TURNING TECHNICAL CHALLENGES INTO OPPORTUNITIES

- Organize, standardize, prioritize
- Data security and privacy
- Metadata enhancements
- User interface and APIs



TOWARD A GLOBAL PARTNERSHIP FOR DEVELOPMENT DATA

- Build a broad coalition of public, private, and civil society stakeholders
- Donors provide support for open data and focus on national capacity
- Partners encourage innovation and share knowledge and tools
- Always measure impacts and results

Thank you

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