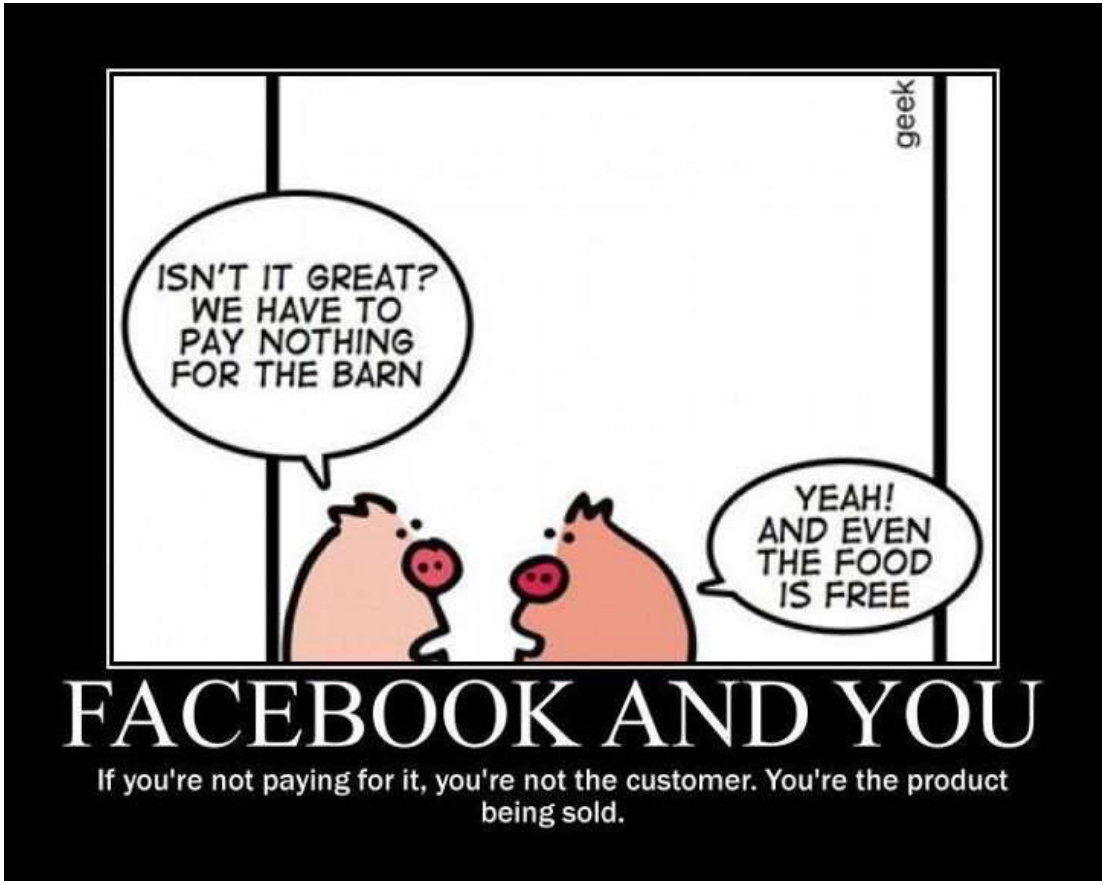
Empowering Citizens Through Data Literacy

The Transformative Power of Data Champions Programmes and Government-Citizen Collaboration

Dr Eddy Borges-Rey

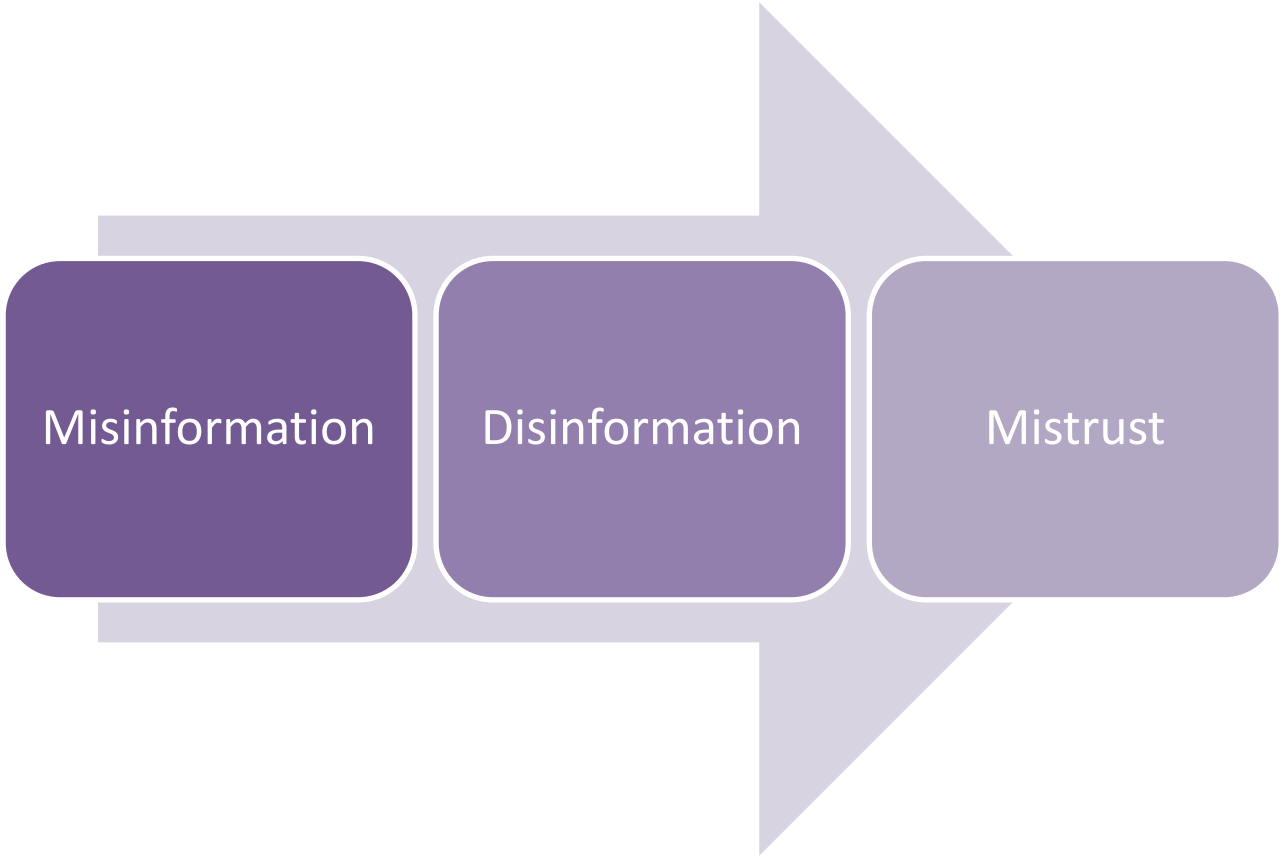
Associate Professor in Digital Journalism and Emerging Media

Northwestern | QATAR


geek
ISN'T IT GREAT? WE HAVE TO PAY NOTHING FOR THE BARN
YEAH! AND EVEN THE FOOD IS FREE
FACEBOOK AND YOU
If you're not paying for it, you're not the customer. You're the product being sold.

Forbes / Tech
Facebook Manipulated 689,003 Users' Emotions For Science

4 News
CAMBRIDGE ANALYTICA UNCOVERED

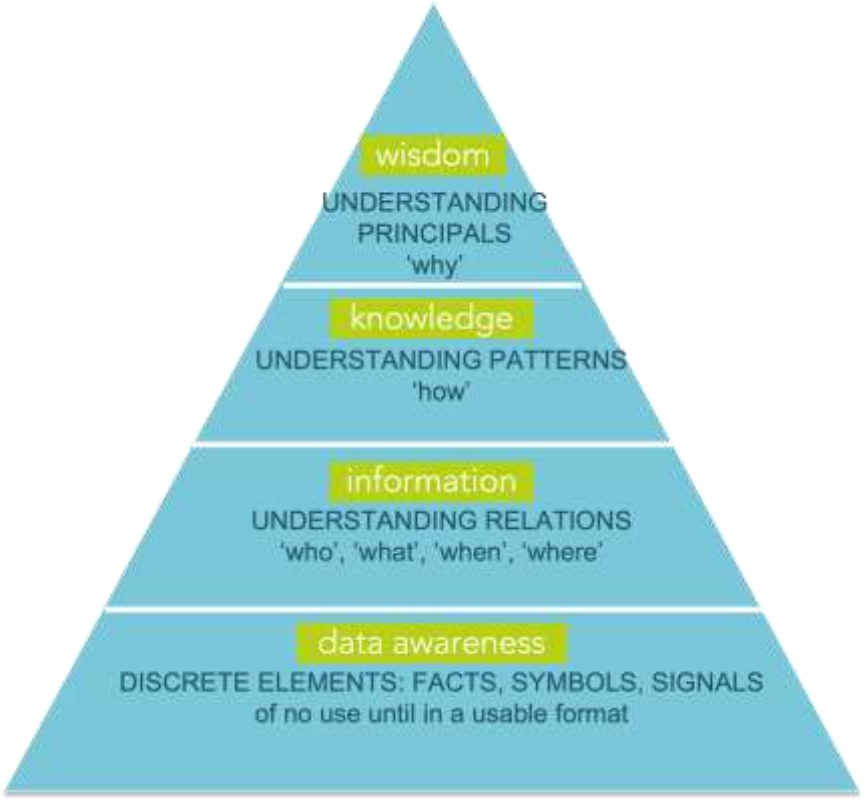

Misinformation
Disinformation
Mistrust

Columbia Journalism Review.

TOW CENTER

Mapping the battleground for the next information war

MAY 9, 2019
By EMILY BELL

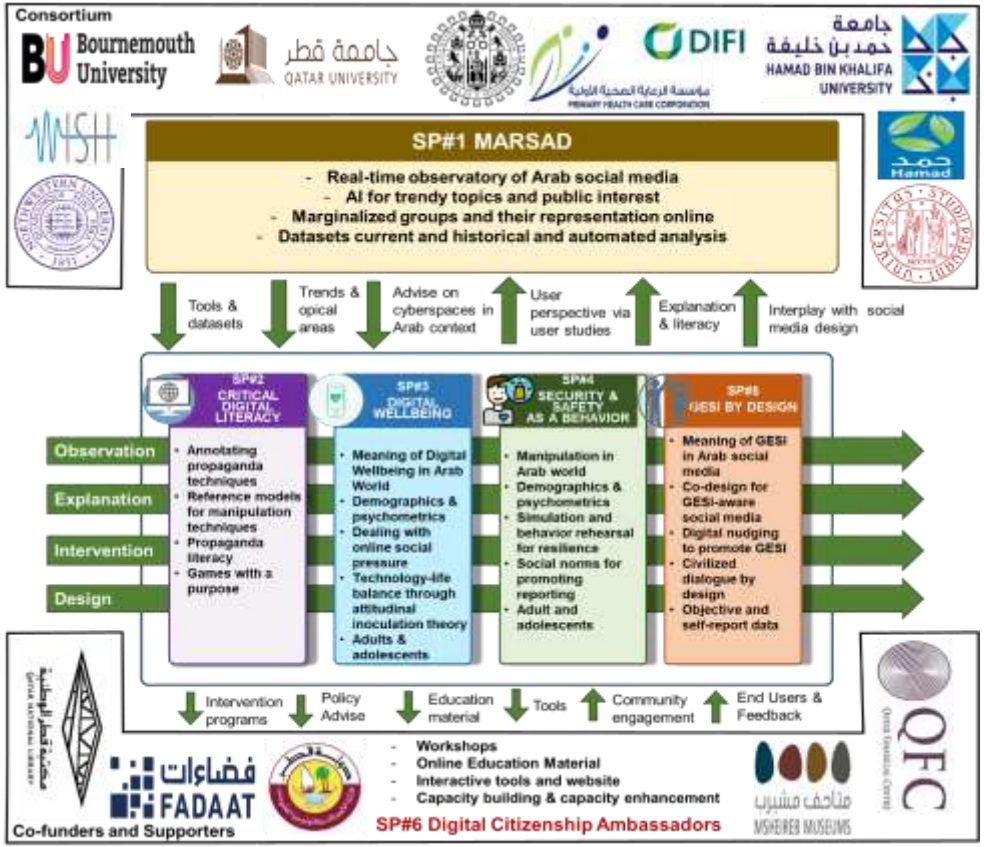


* Overall lack of critical awareness on how datafied platforms work.

* AI hype

* Open data aproaches initially geared towards building technological infrastructure and data governance policy.

* Reluctance to adopt data-relted strategies and processes in the workplace.



NPRP-C: The Future of Digital Citizenship in Qatar: a Social-Technical Framework

- Action research
- Participatory co-design
- Capacity-building
- Outward-facing project
- Maximising impact and self-sustainability

Previous successful ambassador programme

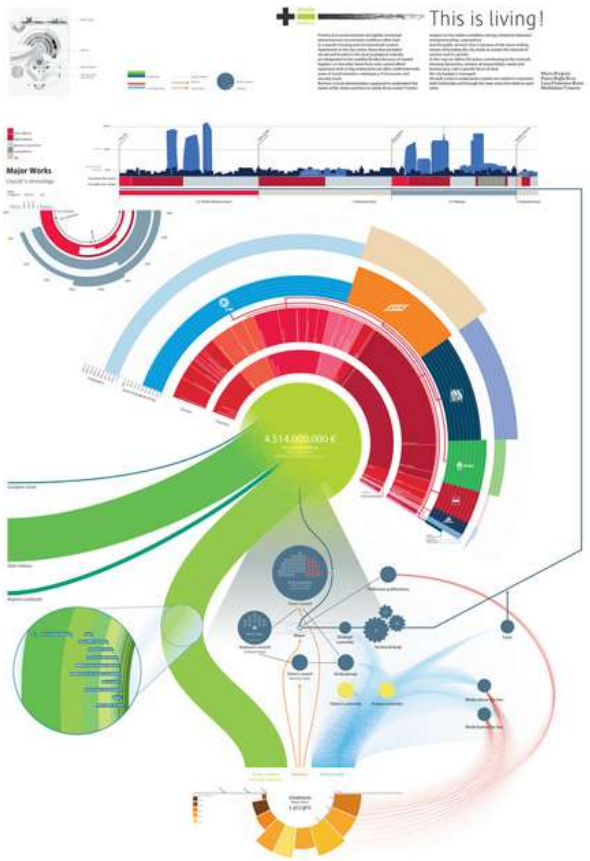
Digital citizenship
Data literacy

Any data infrastructure strategy, should factor in citizens…

and not only as end-users

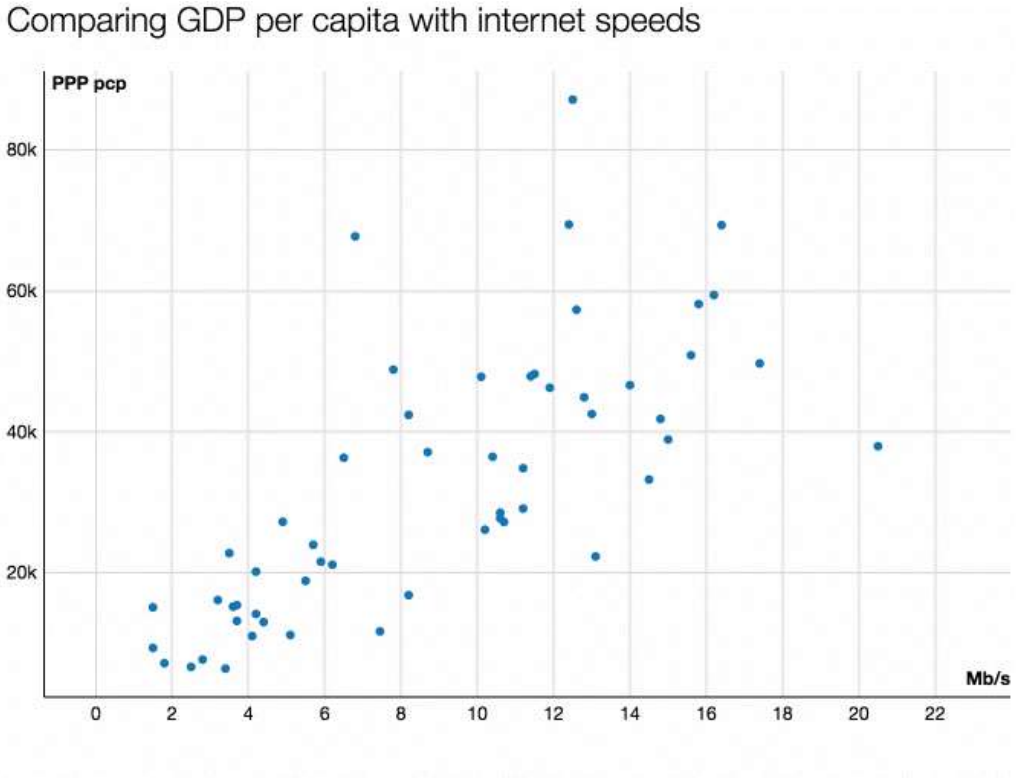
Why data literacy? (1)

```
RespondentId,StartDate,CompletedDate,LanguageCode,Question1,Question2,Question3,Question4,Question5,Question6,Question7,Questi
27357,2006.11.27 15:6,2006.11.27 15:7,en,Denmark,Financial Services,6 - 12 months,26-100,4,4,2,"cvbcvb",2,3,3,1,Opinio,1,0,0,1
27359,2006.11.27 15:7,2006.11.27 15:8,en,Italy,Hardware Vendor,1 - 2 years,26-100,3,5,4,,1,3,3,4,Opinio,0,0,0,0,1,0,0,1,0,,,,0
27360,2006.11.27 15:8,2006.11.27 15:8,en,Lithuania,Retail,6 - 12 months,6-10,4,1,4,"this is a random other text",2,2,2,2,Opini
27361,2006.11.27 15:8,2006.11.27 15:8,en,Panama,Retail,6 - 12 months,6-10,4,1,4,"this is a random other text",2,2,2,2,Opinio,0
27362,2006.11.27 15:8,2006.11.27 15:8,en,Djibouti,Manufacturing,6+ years,101-250,0,4,0,"another random text",5,5,5,5,Opinio,1,
27363,2006.11.27 15:8,2006.11.27 15:8,en,Tanzania,Retail,1 - 2 years,1001-5000,1,1,1,"123456",2,2,2,2,Opinio,0,1,1,1,1,1,1,1,1
27364,2006.11.27 15:8,2006.11.27 15:8,en,Vanuatu,Other,1 - 2 years,1001-5000,6,5,6,"123456",6,6,6,6,Opinio,0,0,1,1,1,1,0,1,1,"
27365,2006.11.27 15:8,2006.11.27 15:8,en,Angola,Government,1 - 2 years,11-25,4,2,4,"123456",3,3,3,3,Opinio,0,0,1,1,1,1,1,0,,
27366,2006.11.27 15:8,2006.11.27 15:8,en,Panama,Manufacturing,<6 months,1-5,1,4,1,"hey",5,5,5,5,Opinio,0,1,0,0,0,1,0,0,0,,"hey
27367,2006.11.27 15:8,2006.11.27 15:8,en,Norway,Education,2 - 5 years,5001-10000,6,0,6,"£6{[]}+åøæ'`´*-/+\",1,1,1,1,Opinio,1,
27368,2006.11.27 15:8,2006.11.27 15:8,en,Bermuda,Software Vendor,1 - 2 years,11-25,0,2,0,"123456",3,3,3,3,Opinio,1,0,1,0,0,1,0
27369,2006.11.27 15:8,2006.11.27 15:8,en,Panama,Transportation,1 - 2 years,11-25,5,4,5,"123456",5,5,5,5,Opinio,0,1,0,0,0,1,0,0
27370,2006.11.27 15:8,2006.11.27 15:8,en,Maldives,Other,6+ years,10001 or more,2,5,2,"another random text",6,6,6,6,Network Pro
27371,2006.11.27 15:8,2006.11.27 15:8,en,Kyrgyzstan,Medical,2 - 5 years,26-100,3,5,3,"£6{[]}+åøæ'`´*-/+\",6,6,6,6,Network Pro
27372,2006.11.27 15:8,2006.11.27 15:8,en,Antigua and Barbuda,Government,6 - 12 months,501-1000,6,2,6,"this is a random other t
27373,2006.11.27 15:8,2006.11.27 15:8,en,Belarus,Financial Services,6+ years,10001 or more,2,1,2,"another random text",2,2,2,2
27374,2006.11.27 15:8,2006.11.27 15:8,en,Vatican City,Non-profit,1 - 2 years,11-25,0,0,0,"123456",1,1,1,1,Network Probe,1,0,0,
27375,2006.11.27 15:8,2006.11.27 15:8,en,Georgia,Financial Services,6+ years,10001 or more,6,1,6,"another random text",2,2,2,2
27376,2006.11.27 15:8,2006.11.27 15:8,en,Tokelau,Transportation,1 - 2 years,11-25,2,4,2,"123456",5,5,5,5,Network Probe,0,1,0,0
27377,2006.11.27 15:8,2006.11.27 15:8,en,Chad,Software Vendor,<6 months,1-5,6,2,6,"hey",3,3,3,3,Network Probe,1,1,1,1,1,1,1,1,
27378,2006.11.27 15:8,2006.11.27 15:8,en,Turkey,Software Vendor,6 - 12 months,501-1000,1,2,1,"this is a random other text",3,3
27379,2006.11.27 15:8,2006.11.27 15:8,en,East Timor,Transportation,<6 months,1-5,0,4,0,"hey",5,5,5,5,Opinio,1,1,0,0,1,0,1,1,0,
27380,2006.11.27 15:8,2006.11.27 15:8,en,Nicaragua,Medical,6 - 12 months,6-10,5,5,5,"this is a random other text",6,6,6,6,Opin
27381,2006.11.27 15:8,2006.11.27 15:8,en,Equatorial Guinea,Software Vendor,6+ years,101-250,6,2,6,"another random text",3,3,3,
27382,2006.11.27 15:8,2006.11.27 15:8,en,Zambia,Retail,<6 months,251-500,1,1,1,"hey",2,2,2,2,Surveyor,0,1,0,0,0,0,0,1,0,,"hey"
27383,2006.11.27 15:8,2006.11.27 15:8,en,French Southern and Antarctic Lands,Retail,1 - 2 years,1001-5000,2,1,2,"123456",2,2,2
27384,2006.11.27 15:8,2006.11.27 15:8,en,Guinea-Bissau,Hardware Vendor,2 - 5 years,26-100,6,3,6,"£6{[]}+åøæ'`´*-/+\",4,4,4,4,
27385,2006.11.27 15:8,2006.11.27 15:8,en,Viet Nam,Medical,2 - 5 years,26-100,4,5,4,"£6{[]}+åøæ'`´*-/+\",6,6,6,6,Opinio,1,1,1,
27386,2006.11.27 15:8,2006.11.27 15:8,en,Reunion,Medical,1 - 2 years,1001-5000,2,5,2,"123456",6,6,6,6,Opinio,1,1,1,1,1,1,1,1,1
27387,2006.11.27 15:8,2006.11.27 15:8,en,Puerto Rico,Non-profit,<6 months,1-5,0,0,0,"hey",1,1,1,1,Opinio,1,1,1,1,0,1,1,1,0,,"h
27388,2006.11.27 15:8,2006.11.27 15:8,en,East Timor,Financial Services,6 - 12 months,6-10,1,1,1,"this is a random other text",
27389,2006.11.27 15:8,2006.11.27 15:8,en,Northern Mariana Islands,Software Vendor,<6 months,1-5,2,2,2,"hey",3,3,3,3,Opinio,1,0
```



Refers to the abstract understanding of data as social construct, to understand the role of data in mediating our relationships to one another and to the world around us.

Why data literacy (2)



Why data literacy (3)

Levels of data literacy

Functional Data Literacy

- Information literacy
- Statistical literacy
- Numeracy

Critical Data Literacy

- Data as social construct
- Data as mediator
- Data pervasiveness

Why an emphasis in empowering citizens through data literacy?

FINANCIAL TIMES

myFT

HOME WORLD UK COMPANIES MARKETS OPINION WORK & CAREERS LIFE & ARTS

Sign In Subscribe

Latest on UK energy

UK's reliance on gas for heating exposed by cold snap

US gas cargo turns towards UK as Russia spat intensifies

Russia gains gas foothold in UK as relations deteriorate

'Electric shock' when I switched energy provider

UK energy + Add to myFT

Confusing tariffs deter UK energy customers from switching

Shopping around among suppliers for better deal rare in retail market

Save

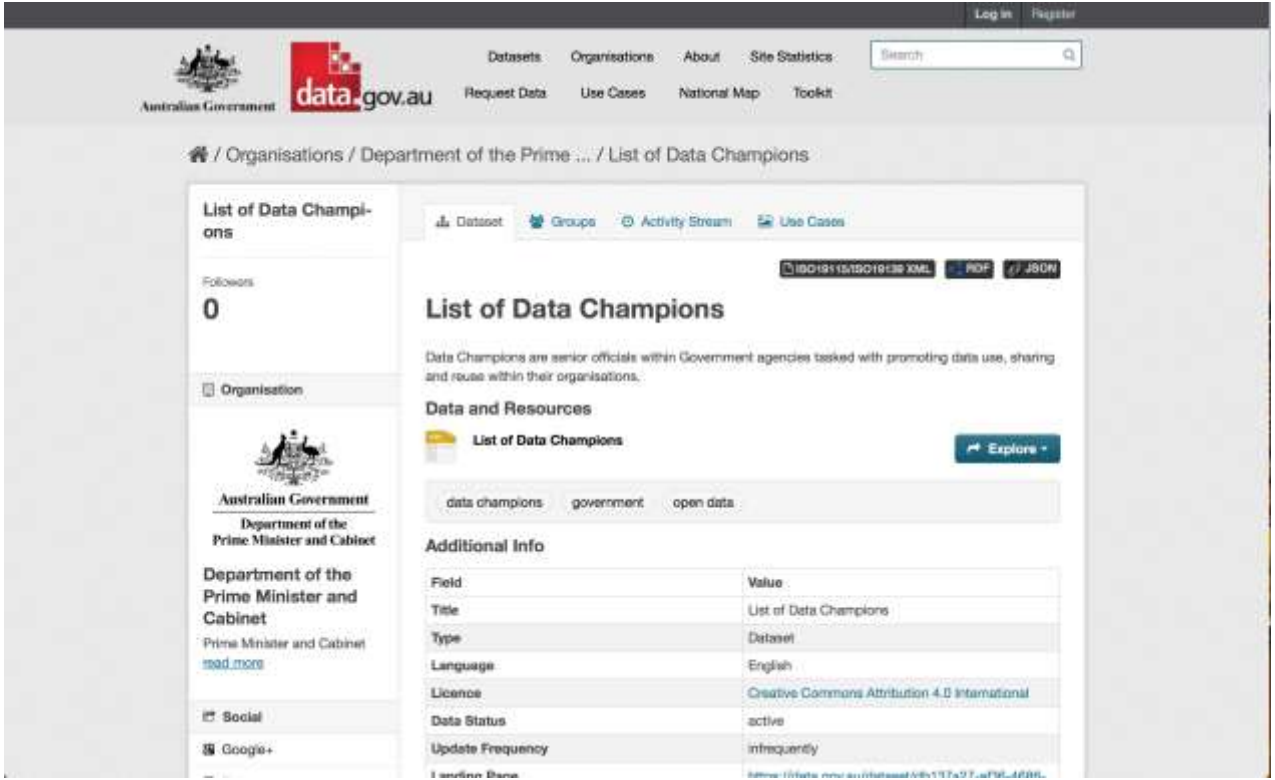
The car garage analogy

"I started repairing my car myself when it became quite clear that I should let you guys handle it."

Government-Citizen Collaboration

* Self sustainable
* Bottom-up
* A good source of user feedback

- Facilitating access to the ability of extracting insight from data
- Data champions: Facilitators, translators, ambassadors.
- Bridging the gap.



ACCUR8DATA

HOME ABOUT US OUR MISSION OUR CHAMPIONS OUR ADVISORY BOARD CONTACT

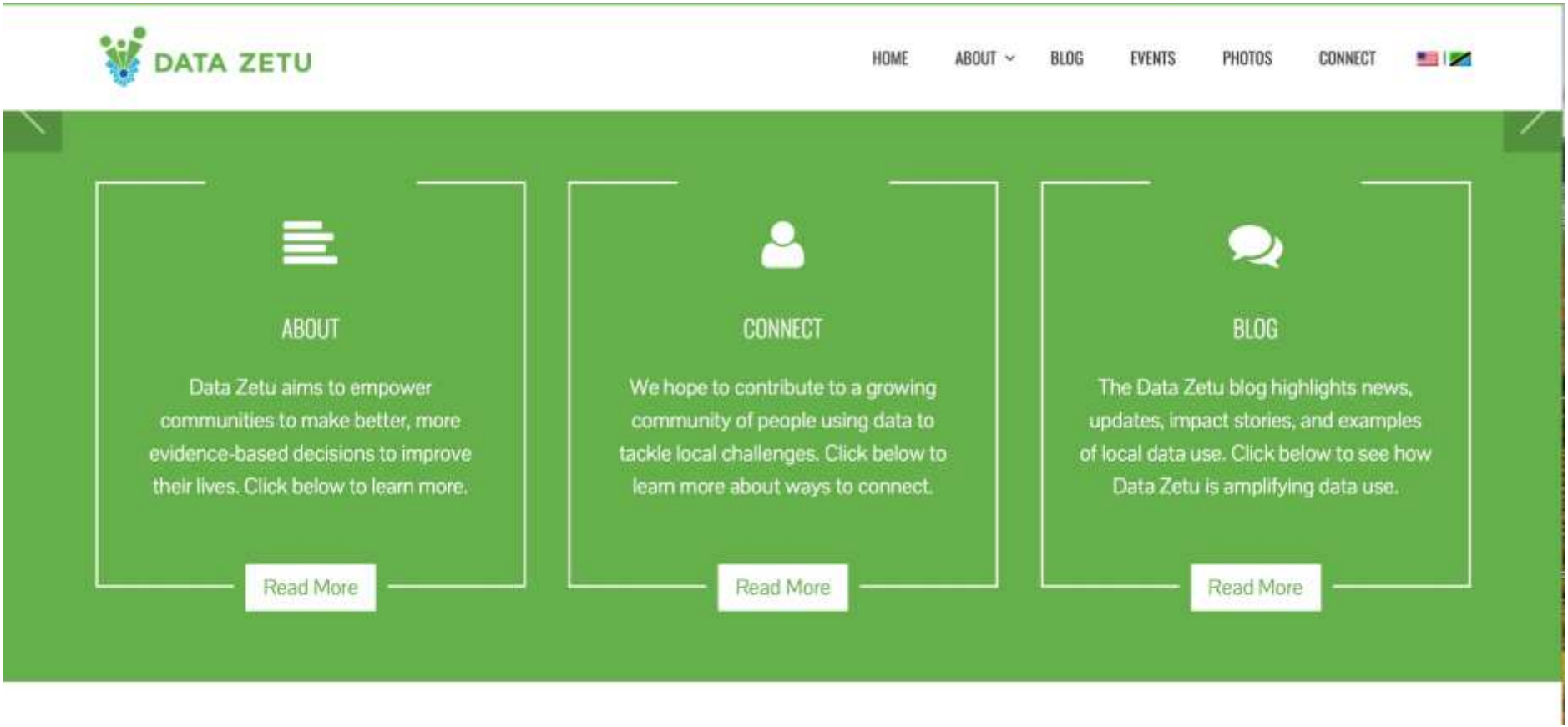
OUR DATA CHAMPIONS

Marieme Jamme | Founder of Accur8Africa & Senegal Data Champion

A regular speaker of Women of the World (WOW) at the South Bank in London, recently named as one of the 100 most influential Africans by the Africa Business Magazine, and Forbes Magazine, Mariéme Jamme is a Senegalese born-British businesswoman, who ran a technology consultancy business in London. Her company Spotone Global Solutions helps Internationaltech companies selling enterprise software solutions, to set a foothold in Africa, Middle East and Asia. Marieme is best known for her role in promoting technology, good governance, transparency and a better education standard in Africa.

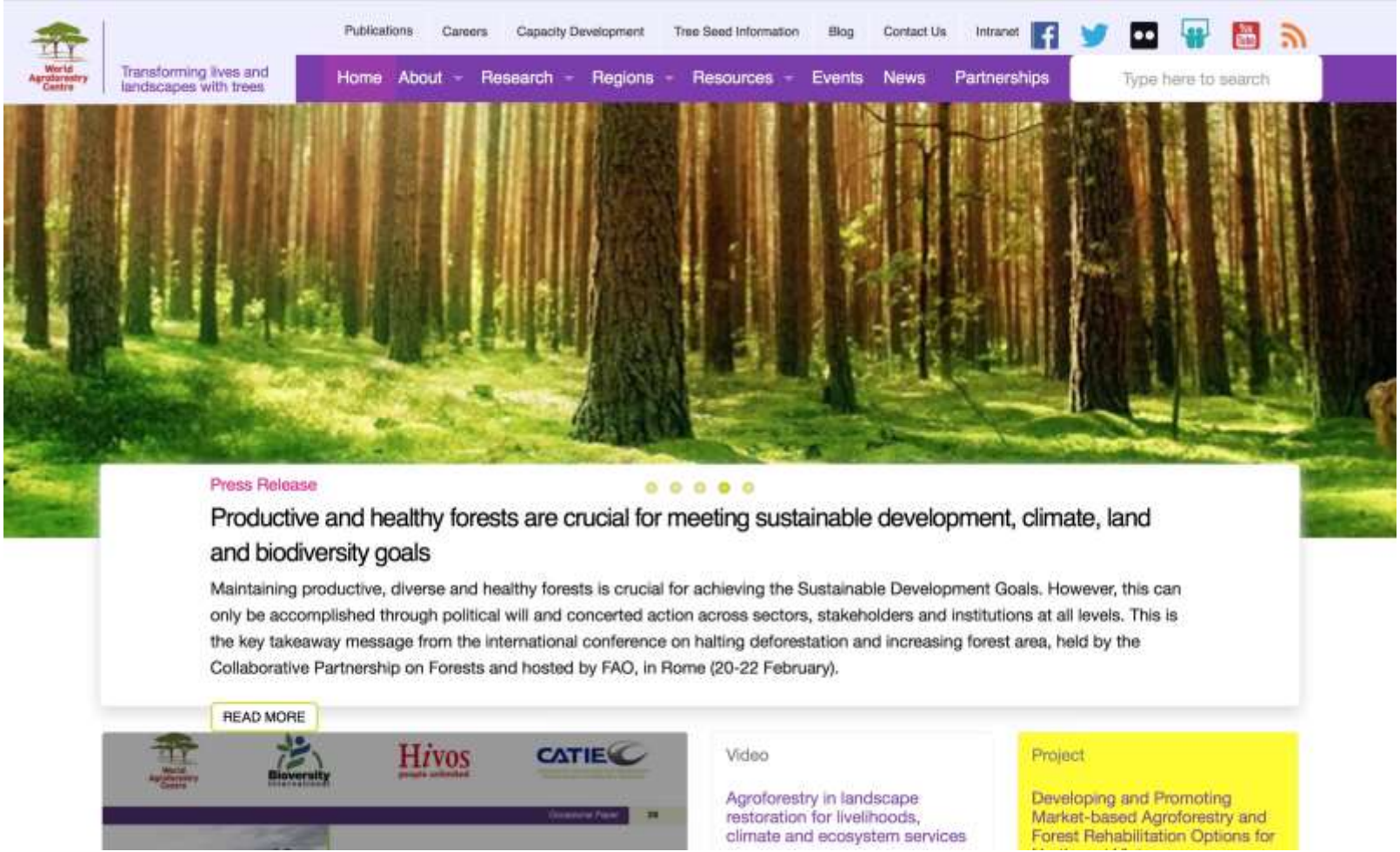
Honoured as a young global leader in 2013 by the World Economic Forum, Marieme is also the Founder of **Jjiguene Tech Hub** in Senegal: the first women Tech Innovation Networks supporting young women in Science, Technology, Engineering and Math's (STEM).

Twitter: @mjamme


DATA ZETU
HOME
ABOUT
BLOG
EVENTS
PHOTOS
CONNECT
ABOUT
Data Zetu aims to empower communities to make better, more evidence-based decisions to improve their lives. Click below to learn more.
Read More
CONNECT
We hope to contribute to a growing community of people using data to tackle local challenges. Click below to learn more about ways to connect.
Read More
BLOG
The Data Zetu blog highlights news, updates, impact stories, and examples of local data use. Click below to see how Data Zetu is amplifying data use.
Read More

Naija Data Ladies: The rise of a network of women data journalists in Nigeria

by **IRENE WANGUI** · Sep 27 in **DATA JOURNALISM**


World Agroforestry Centre
Transforming lives and landscapes with trees
Publications
Careers
Capacity Development
Tree Seed Information
Blog
Contact Us
Intranet
Home
About
Research
Regions
Resources
Events
News
Partnerships
Type here to search
Press Release
Productive and healthy forests are crucial for meeting sustainable development, climate, land and biodiversity goals
Maintaining productive, diverse and healthy forests is crucial for achieving the Sustainable Development Goals. However, this can only be accomplished through political will and concerted action across sectors, stakeholders and institutions at all levels. This is the key takeaway message from the international conference on halting deforestation and increasing forest area, held by the Collaborative Partnership on Forests and hosted by FAO, in Rome (20-22 February).
READ MORE
Bioversity
Hivos
CATIE
Video
Agroforestry in landscape restoration for livelihoods, climate and ecosystem services
Project
Developing and Promoting Market-based Agroforestry and Forest Rehabilitation Options for

A COMPREHENSIVE APPROACH TO GOVERNING, MEASURING AND REPORTING ON INVESTMENTS IN FIRST NATIONS WELL-BEING

home initiative history and future bcfndgi communities data governance tools community planning tools open data communications and faqs bcfndgi mandates and agreements links & resources contact

SUMMARY

Every February, Uruguayan citizens are given the opportunity to choose whether to change or stay with their existing health care provider. In the country's mixed public-private health care system, several factors come into play when making this decision: the location of the health provider, number of doctors and pediatricians available, hours open, etc. How can

Thank you

eddy.borges-rey@northwestern.edu
@eborgesrey