



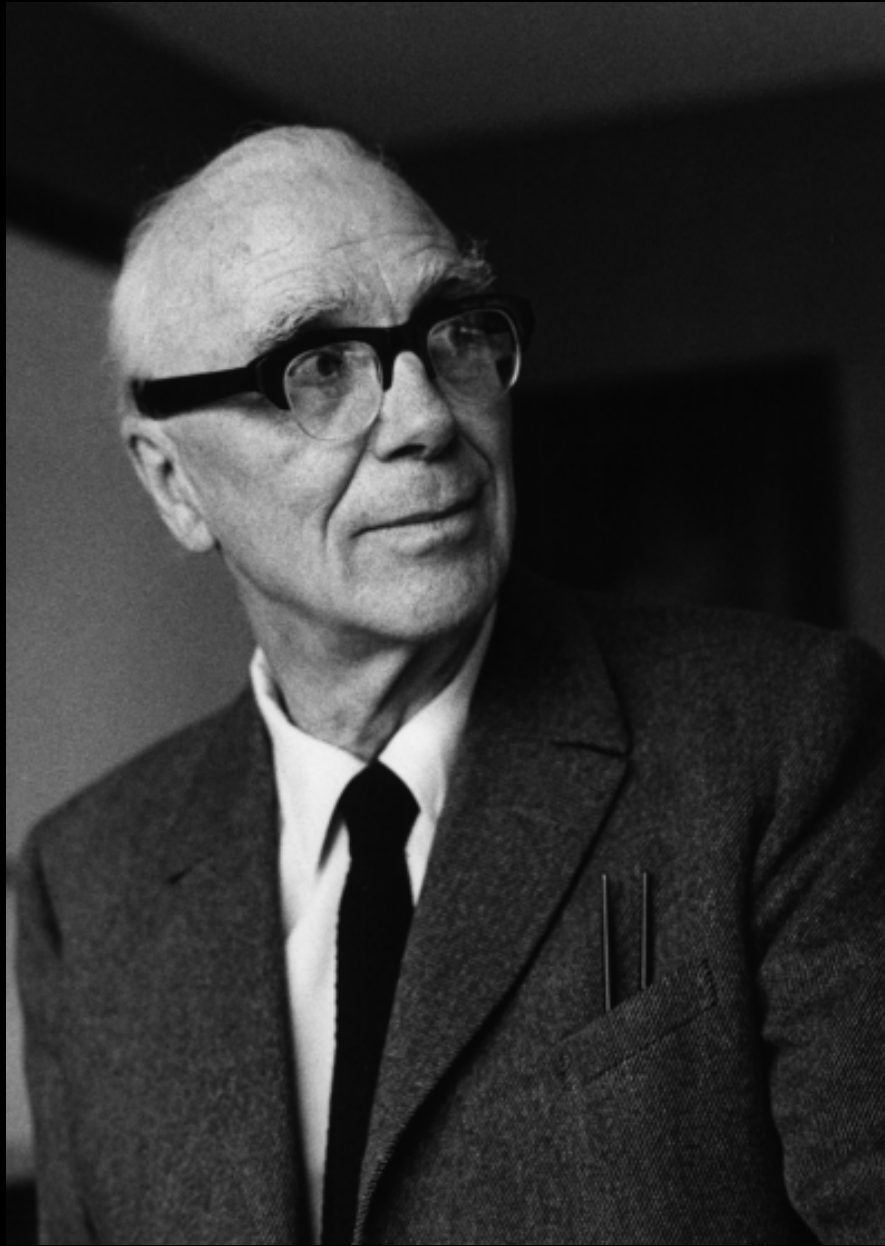
Smart Cities: Lessons from London

Nicola Walt

Arup | Smart Cities

Berlin | 4 Nov 14







Benefits of Smart



Political



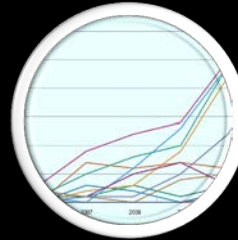
Functional



Environmental



Humane



Economic

Benefits of Smart



Politics



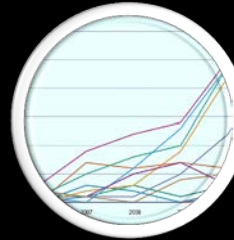
Process



Place



People



Prosperity

SMART

PROCESS + PLACE



Smart Parking, San Francisco



SMART PEOPLE

“Cities will only be truly smart when the benefits and opportunities they offer are accessible to everyone”

Stephen Hilton, Director of Sustainable & Innovative Urban Futures, Bristol City Council







SENSING CITY



refructors

- 1 remove the transparent strip from the adhesive below
- 2 remove colored squares from orange card on the right, and stick to the matching adhesive on the left
- 3 for 1 second dip your card completely in water, and set aside for 1 minute
- 4 while you wait, go to stevejohnson.com and follow the instructions to input your location and water source
- 5 after 1 minute, take a picture of your test in a well-lit setting, then click submit to upload your results

Spacehive

transform where you live



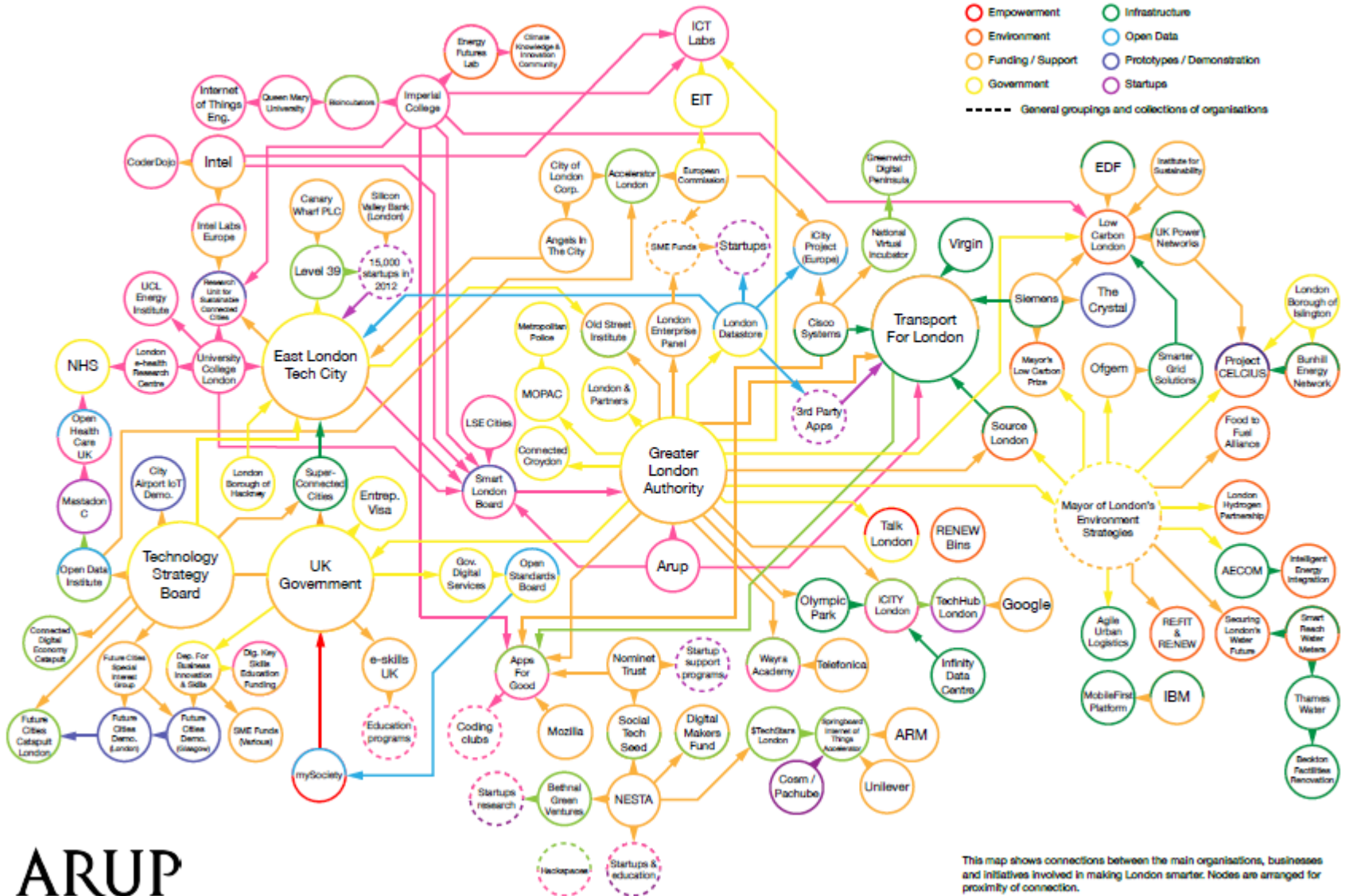
SMART PROSPERITY

The exchange of digital assets and information is
changing the economics of cities



Smart London Ecosystem

- Education / Research
 - Incubators / Accelerators
 - Empowerment
 - Infrastructure
 - Environment
 - Open Data
 - Funding / Support
 - Prototypes / Demonstration
 - Government
 - Startups
- General groupings and collections of organisations



ARUP

This map shows connections between the main organisations, businesses and initiatives involved in making London smarter. Nodes are arranged for proximity of connection.



CIUDAD
CREATIVA
DIGITAL



Digital Creative City, Guadalajara

SMART POLITICS

MAY 24, 2009

www.time.com AOL Keyword: TIME

INSIDE A BAGHDAD E.R. ■ SUMMER BLOCKBUSTER PREVIEW

TIME



WALTER VELTRONI
ROME

ANNIKA BILLSTRÖM
STOCKHOLM

KLAUS WOWEREIT
BERLIN

BERTRAND DELANOË
PARIS

KEN LIVINGSTONE
LONDON

MEET THE MAYORS

Across Europe, smart big city bosses are
bringing new vision to urban life



A Digital Masterplan for Dublin

Shaping Our Digital Future
A Roadmap
Summary



SMART LONDON PLAN



Using the creative power of new technologies to
serve London and improve Londoners' lives

ROAD MAP FOR THE DIGITAL CITY

ACHIEVING
NEW YORK
CITY'S
DIGITAL
FUTURE

THE CITY OF NEW YORK | JANUARY 2011

SO WHERE'S ALL
THIS DATA COMING
FROM?

HELLO
i'm sensing...

- presence
- activity
- enviromental data
- touch
- motion
- object use
- interaction

view live data feed at:
www.artificialtourism.com/ticker

node id: 17



TIDY STREET
REDUCED
ELECTRICITY
USAGE BY 15%
1st MARCH - 3rd APRIL 2011

TIDY STREET
DAILY
ELECTRICITY
USAGE



☰ MENU

U B E R

LOG IN

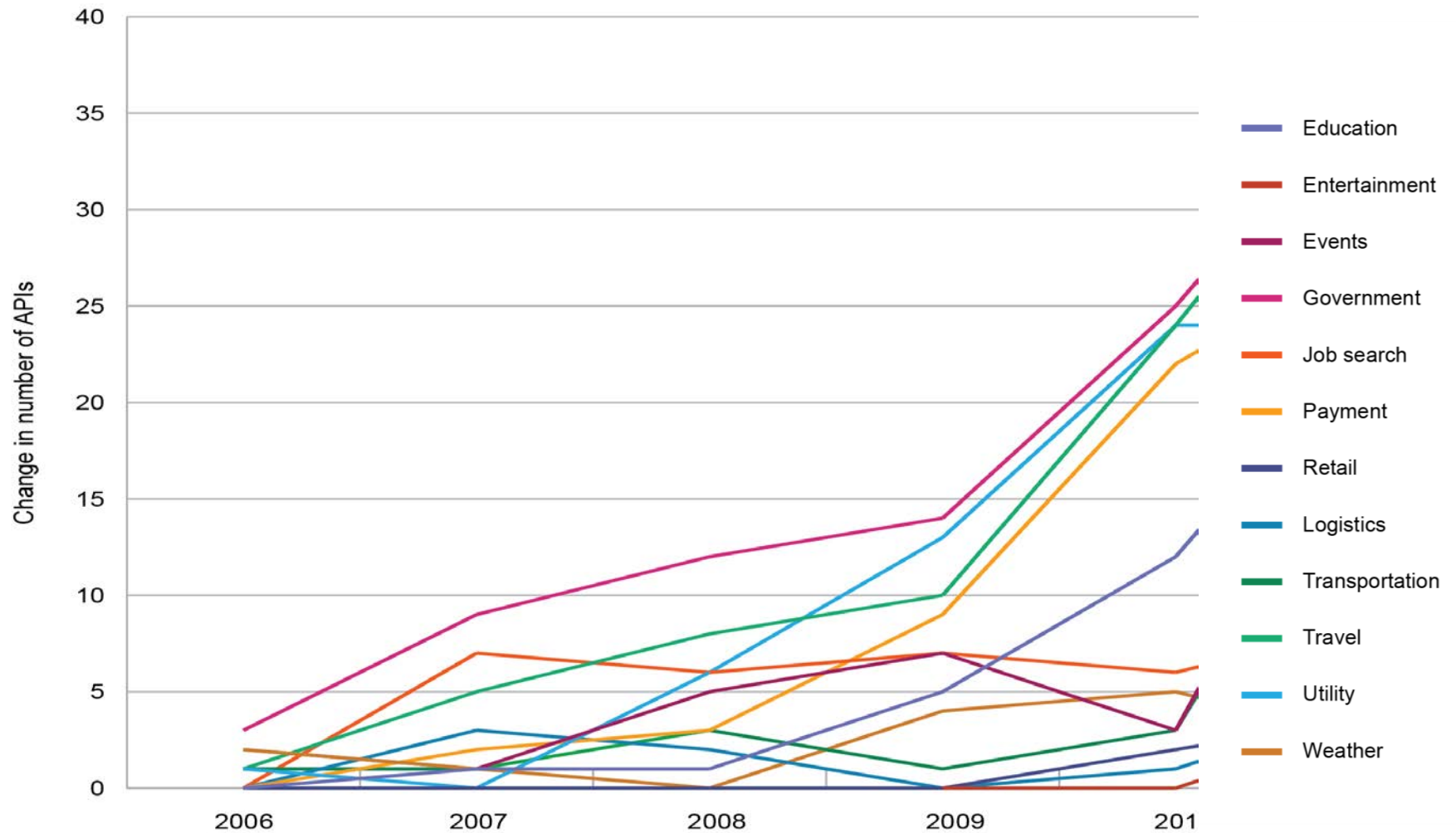
SIGN UP

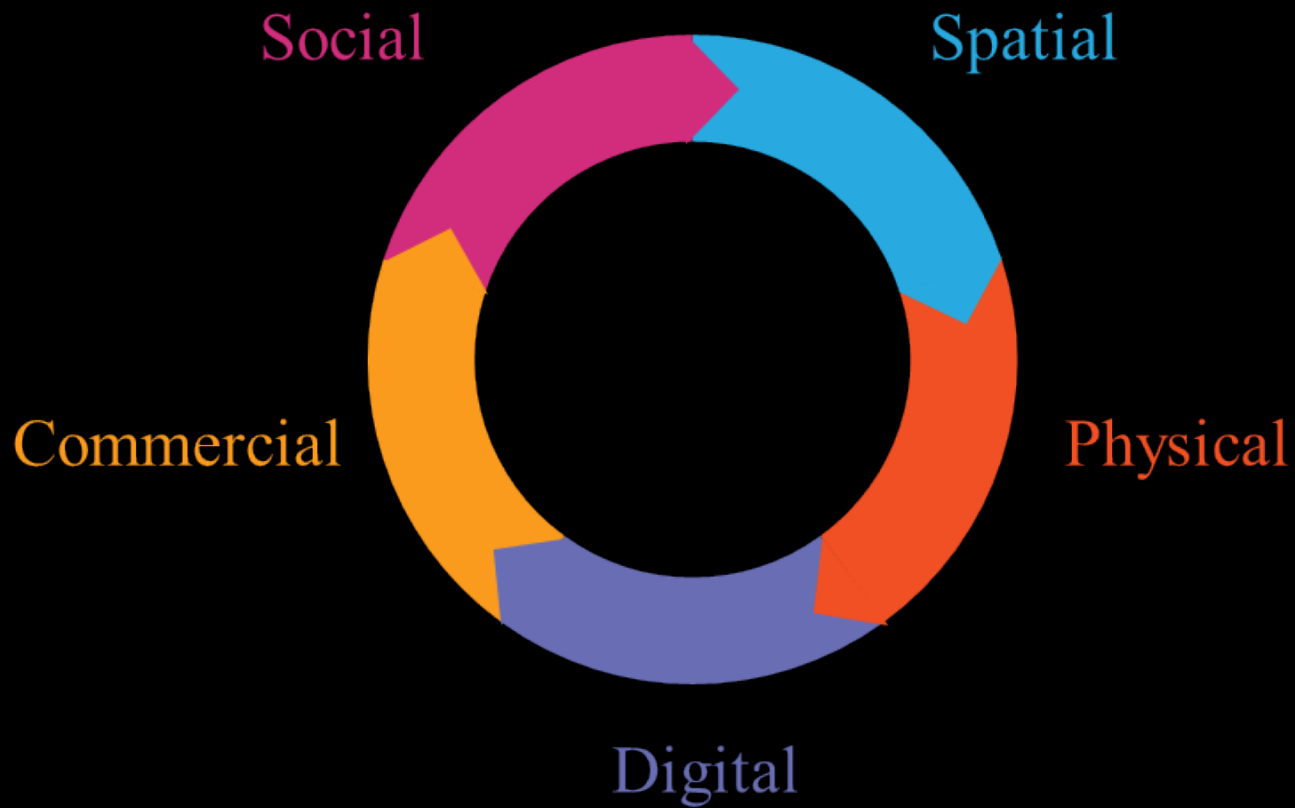
MOVING PEOPLE

THE UBER APP CONNECTS YOU WITH A DRIVER AT THE TAP OF A BUTTON



A holistic view of data beyond silos









LEAVING A DIGITAL LEGACY



MAKING A PIECE OF THE CITY



BRINGING ACTORS TOGETHER



What next for Berlin?



Arup - Smart Cities

www.arup.com/Services/Smart_Cities

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