

Open Data: Opportunities & Challenges

Dr Paul Miller
Cloud of Data

Topics

- The politics of Open Data
- What do we mean?
- A license to print data?
- From dogma to sustainability



www.flickr.com/photos/ben124/7674633450/

The politics of Open Data

disinfectant or distraction?

A close-up photograph of Francis Maude, a middle-aged man with short, light-colored hair, wearing a dark suit, white shirt, and a teal tie. He is looking slightly to the left of the camera with a neutral expression. The background is a blue wall with a repeating pattern of white clouds.

“the 21st Century’s
new raw material”



“enable people to
hold us to account”



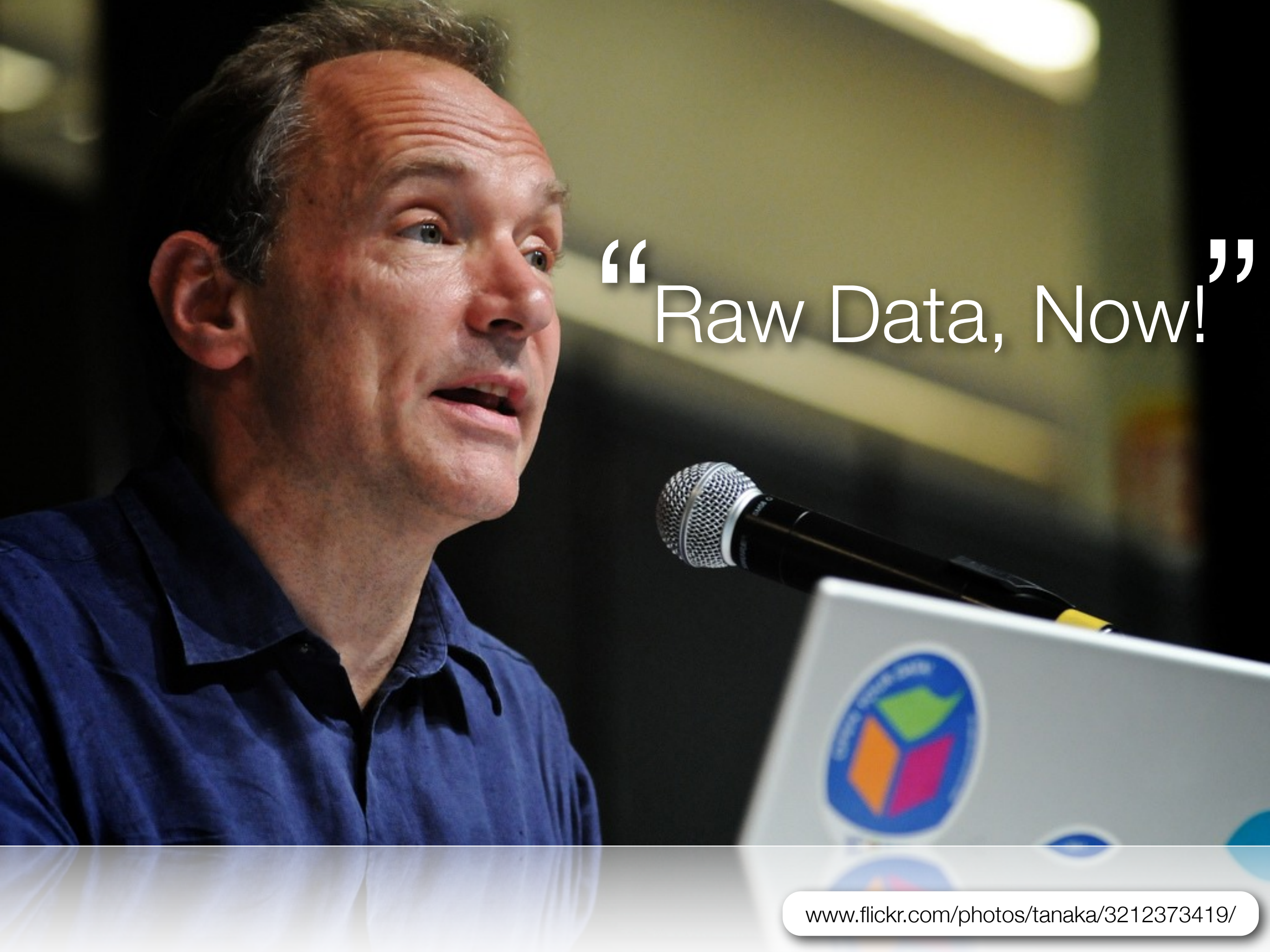


“the new default”



“the new oil”



A man with short, graying hair and a blue button-down shirt is speaking into a silver microphone at a podium. The podium features a logo with three colored shapes (green, orange, pink) inside a blue circle. The background is dark and out of focus.

“Raw Data, Now!”



OFFICE OF FAIR TRADING

The commercial use of public information (CUIPI)

December 2006

OFT861





What do we mean?

“ A piece of data or content is open if **anyone** is **free to use, reuse, and redistribute** it ”



QUEEN ELIZABETH II AD 2000 THIS GREAT COURT CELEBRATES

KINGDOM OF IFE
SCULPTURES FROM WEST AFRICA

A HISTORY OF THE WORLD
IN 100 OBJECTS









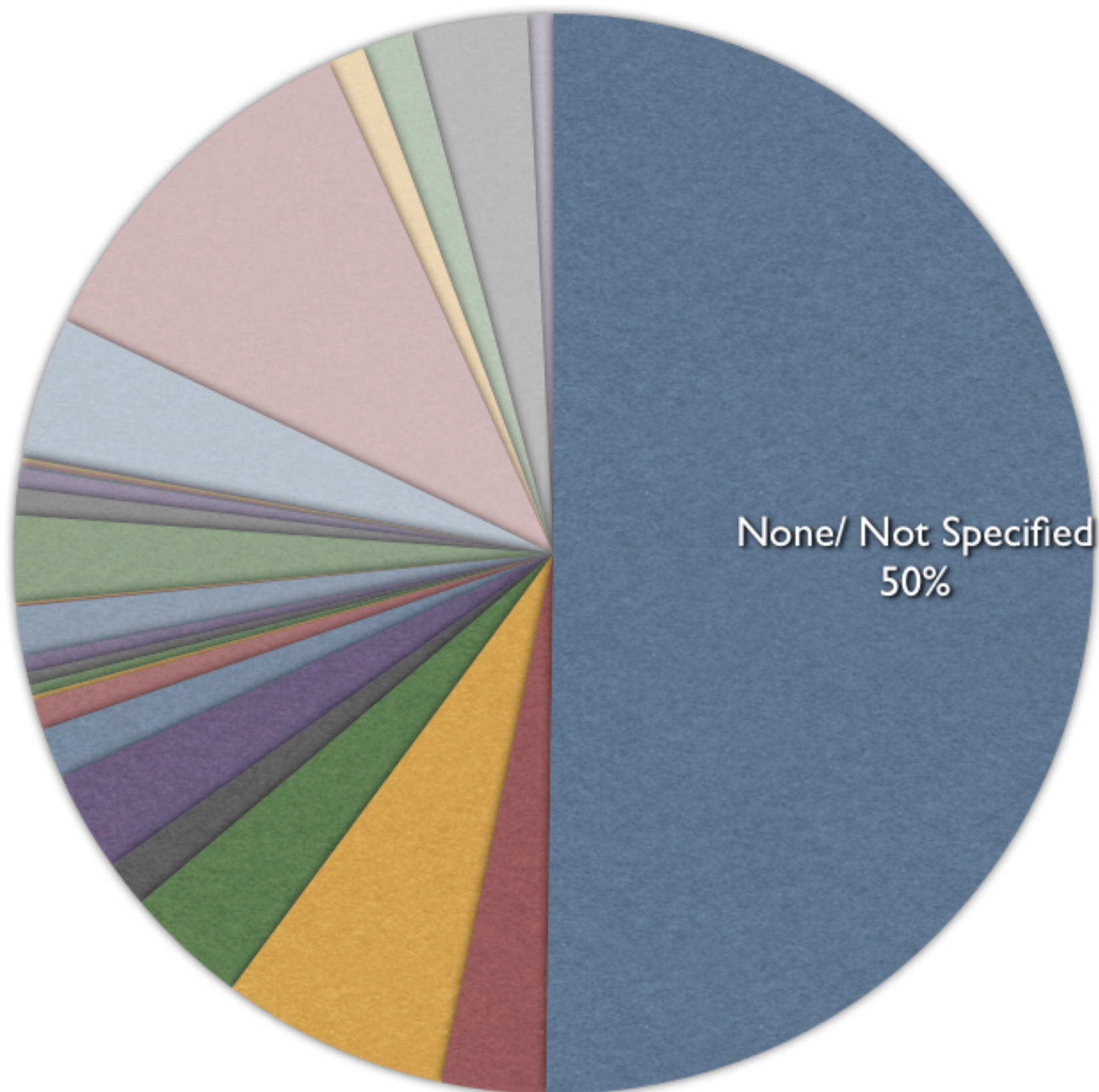
A licence to print data?

How open is 'open' ?

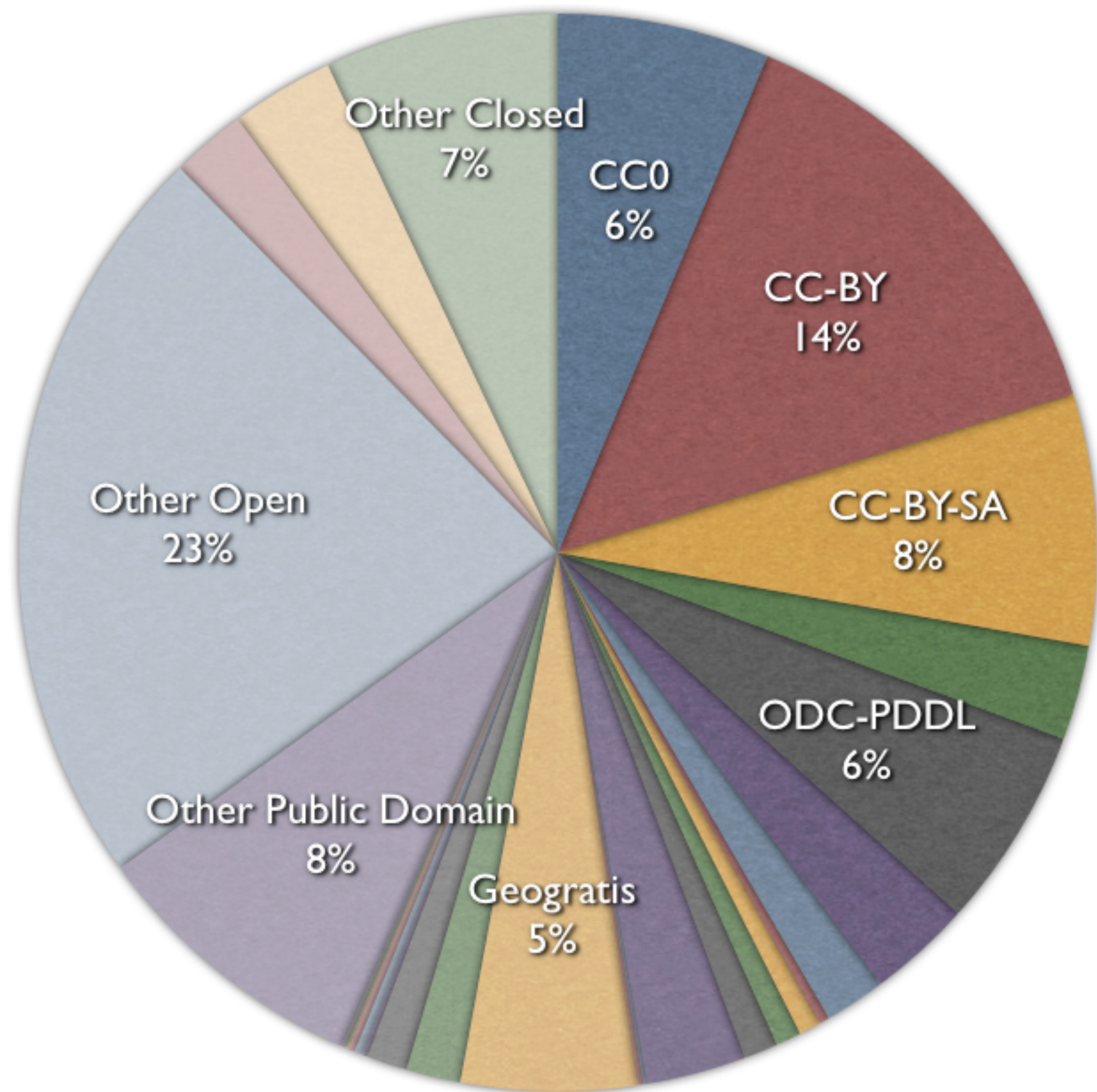
WE ♥ CREATIVE COMMONS



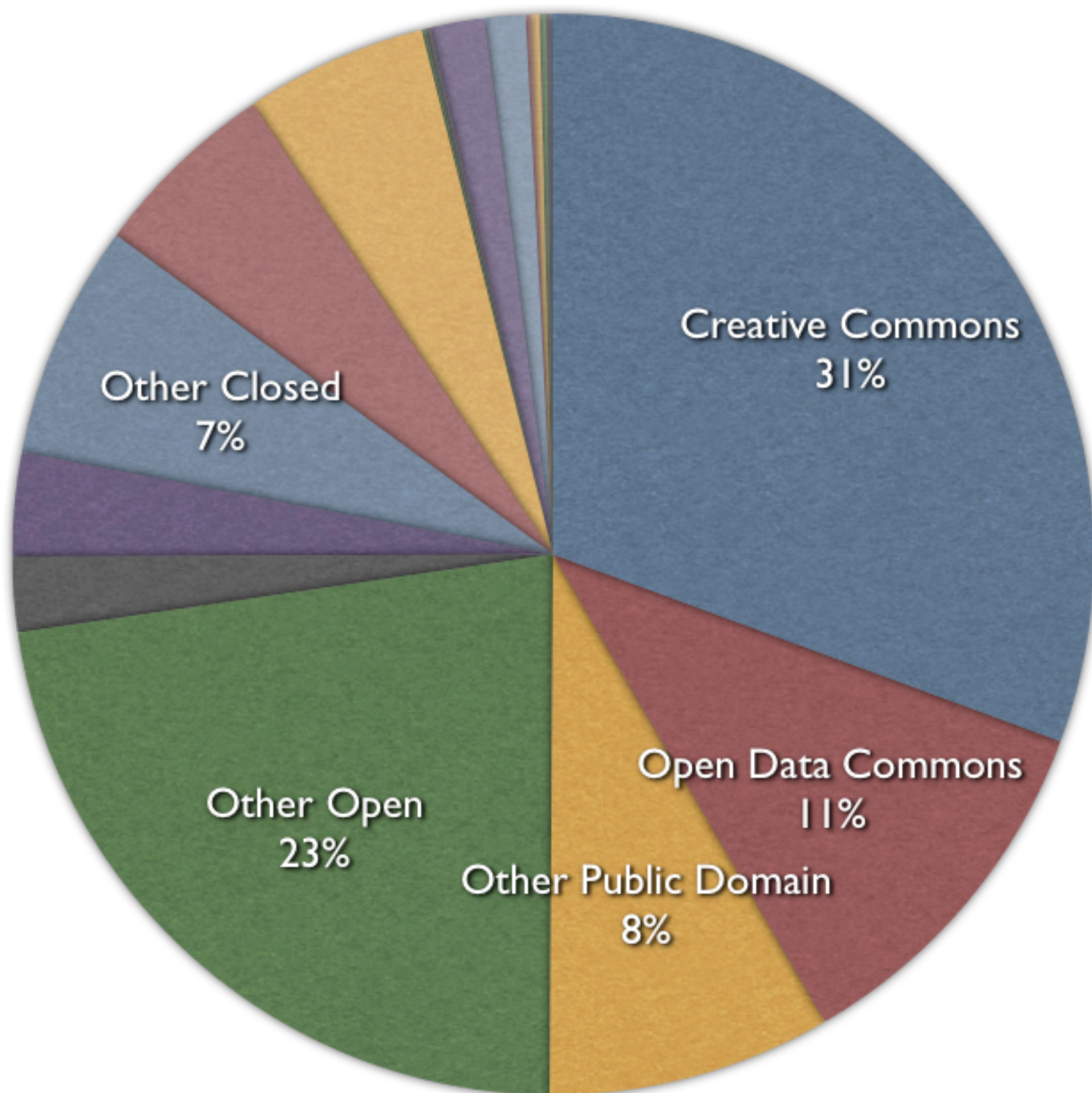
- None/ Not Specified
- CC0
- CC-BY
- CC-BY-SA
- CC-NC
- ODC-PDDL
- ODC-ODBL
- ODC-BY
- Canadian Crown Copyright
- UK Crown Copyright
- UK Crown Copyright with Rights
- UK Click Use
- UK Open Government License
- Apache
- BSD
- Geogratis
- GFDL
- GPL 2.0
- GPL 3.0
- LGPL 2.1
- MIT
- Real
- Sun Public License
- W3C
- Other Public Domain
- Other Open
- Other Attribution
- Other Non-Commercial
- Other Closed
- Errors



- CC0
- CC-BY
- CC-BY-SA
- CC-NC
- ODC-PDDL
- ODC-ODBL
- ODC-BY
- Canadian Crown Copyright
- UK Crown Copyright
- UK Crown Copyright with Rights
- UK Click Use
- UK Open Government License
- Apache
- BSD
- Geogratis
- GFDL
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- GPL 3.0
- LGPL 2.1
- MIT
- Real
- Sun Public License
- W3C
- Other Public Domain
- Other Open
- Other Attribution
- Other Non-Commercial
- Other Closed

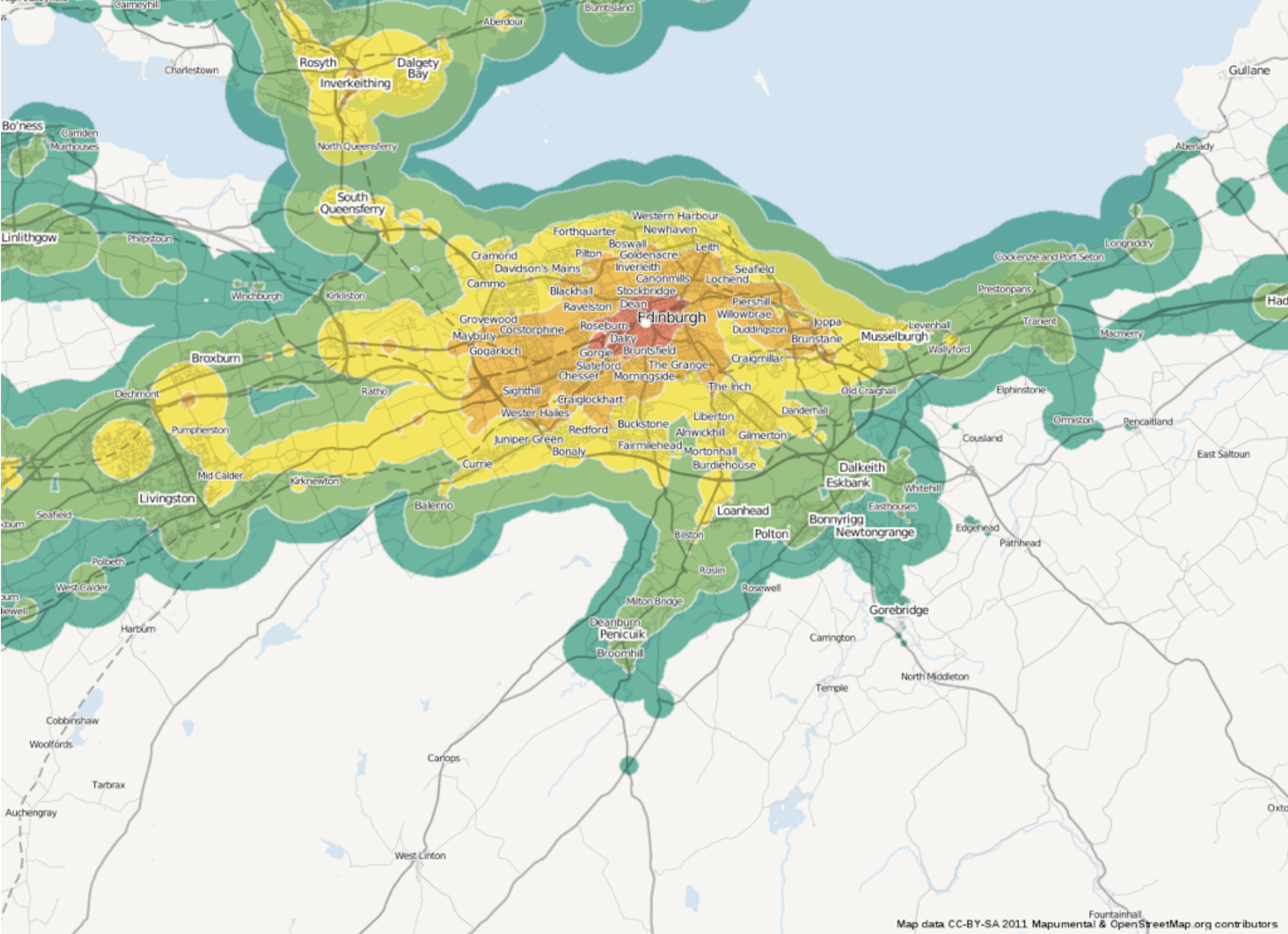


- Creative Commons
- Open Data Commons
- Other Public Domain
- Other Open
- Other Attribution
- Other Non-Commercial
- Other Closed
- Canadian Government
- UK Government
- Apache
- BSD
- GFDL
- GPL 2.0
- GPL 3.0
- LGPL 2.1
- MIT
- Real
- Sun Public License
- W3C





From dogma to sustainability



Map data CC-BY-SA 2011 Mapumental & OpenStreetMap.org contributors

Travel time in minutes

0-15

15-30

30-45

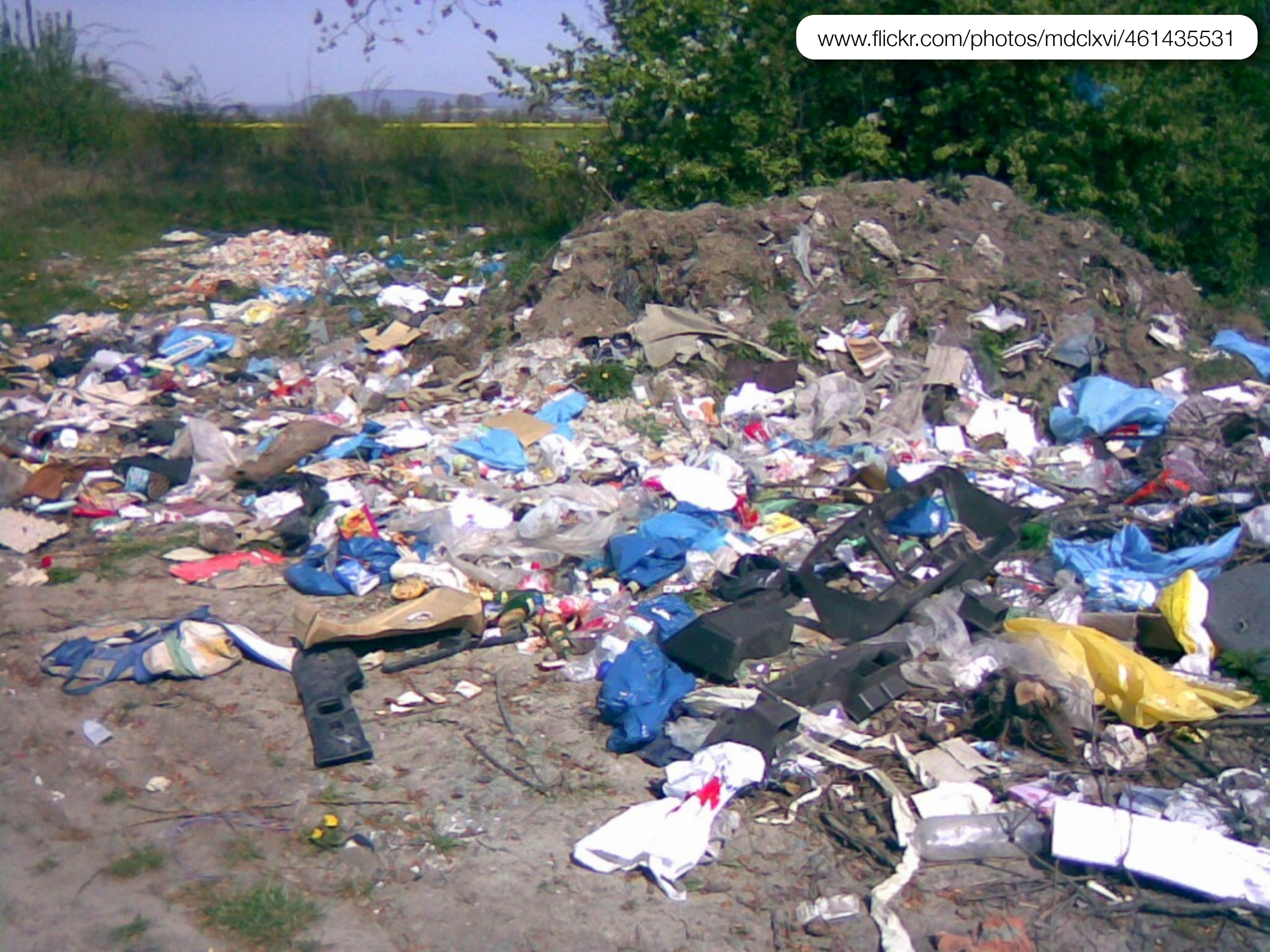
45-60

60-75

FAA AIRCRAFT REGISTRY | Add filter... 660 OF 360,822 ROWS EXPORT

	Name	Address	City	Aircraft Model	Year Manufactured	Aircro
	Federal Express	3131 Democra..	Memphis	190030	1995	5
	Federal Express	2461 Democra..	Memphis	1390006	2000	5
	Federal Express	3101 Tchulaho..	Memphis	5170805	1999	5
	Federal Express	2461 Democra..	Memphis	1390006	2001	5
	Federal Express	3131 Democra..	Memphis	5170805	2008	5
	Federal Express	2461 Democra..	Memphis	1390044	2012	5
	Federal Express	3101 Tchulaho	Memphis	1390044	2012	5

EXPOSE WHAT'S HIDDEN





OPEN

**SORRY WE'RE
CLOSED**

Conclusions

Thank You!

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