



Department  
for Environment  
Food & Rural Affairs

# Assessing the Value, Impacts and Benefits of INSPIRE: The UK Framework & Approach

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Defra; United Kingdom

Geospatial World Forum

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# Background

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200% – 800% Return on Investment\*\*

\*\* Extended Impact Assessment of INSPIRE, 2003

# Background Expected Environmental Benefits in Europe\*\*

Type of benefit	Estimates (€m/annum)
More efficient EIAs and SEAs <sup>39</sup>	100-200
More efficient environmental monitoring and assessment	100
More cost-effective expenditure on environmental protection	300
More cost-effective implementation of the environmental acquis	50
More effective implementation of EC projects	5-15
More effective expenditure on Trans European Networks	140
Reduced duplication of spatial data collection	25-250
Improved delivery of risk prevention policies	120-400
Improved delivery of health and environment policies	350
<b>Total</b>	<b>1 190–1 800</b>

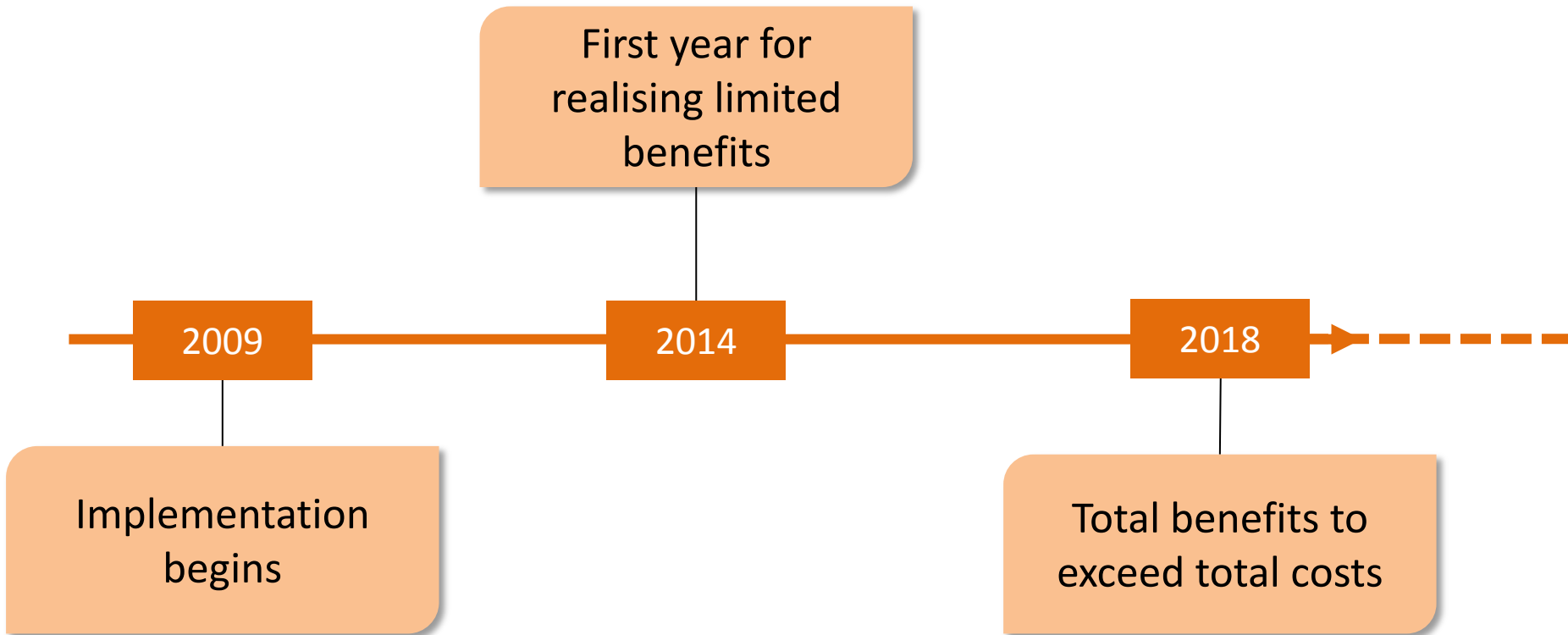
\*\* *Extended Impact Assessment of INSPIRE, 2003*

# Background Expected Environmental Benefits in the UK\*\*

Benefit	£millions (PA)
Efficiencies in Environmental Impact Assessments and Strategic Environmental Assessments	10-20
Efficiencies in environmental monitoring	10
Cost efficiencies in environmental protection	30
Cost effectiveness of implementation of EU directives	5
Cost effectiveness in delivering environmental projects	1.5
Reduced duplication (data collection)	2-25
Improved risk prevention policies	12-40
<b>Total (£million/annum)</b>	<b>70-130</b>

\*\* UK INSPIRE Business Case, 2010

# Expected Timeline



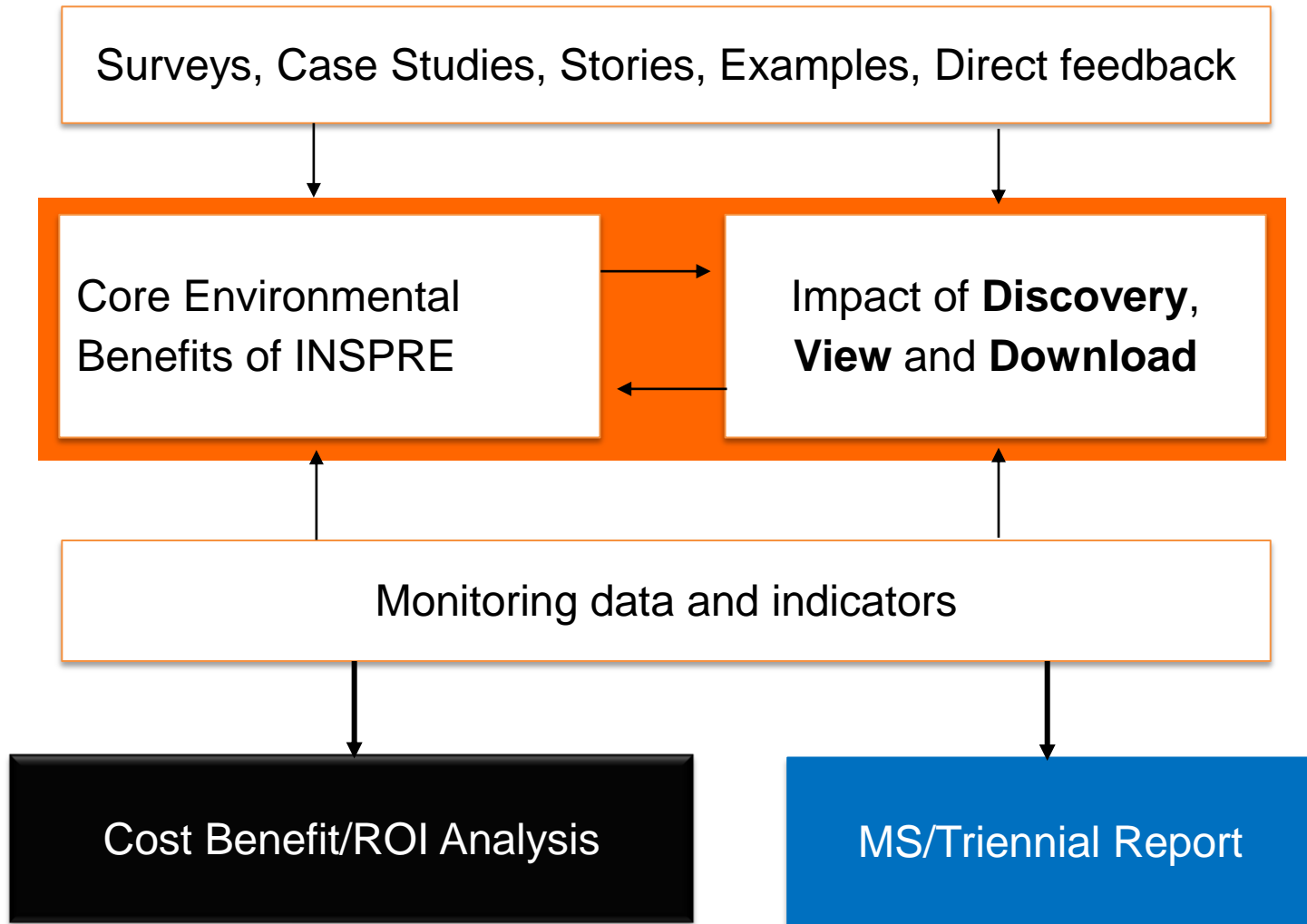
# The problem with estimates



# UK Strategy

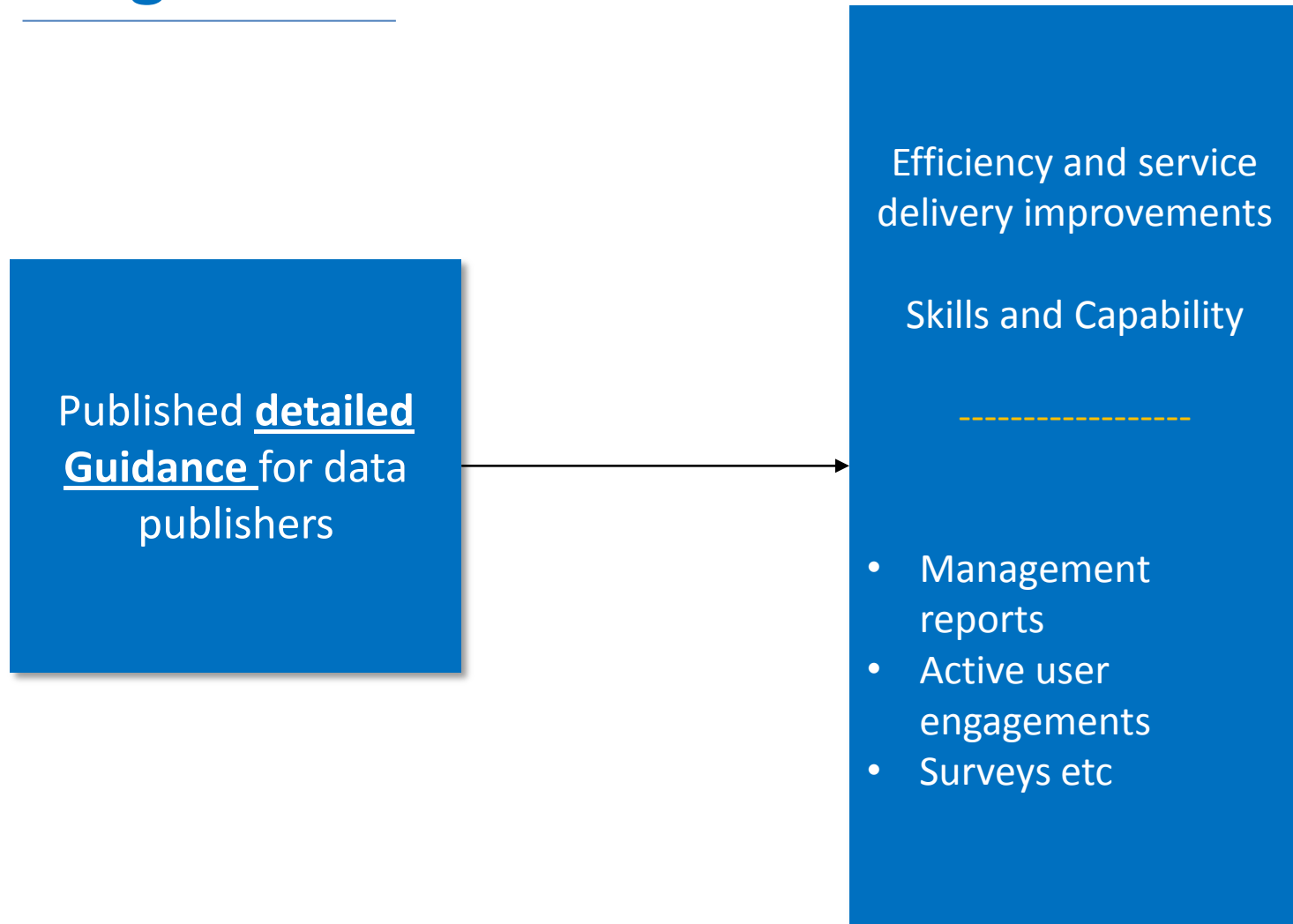
<b>Engaging:</b> with the UK INSPIRE Community [Publishers, Users]	<b>Reporting:</b> to fulfil the European Commission's triennial report requirements	
	<b>Monitoring:</b> activity Levels: usage statistics for services (discovery, download, view)	Promote & Share <b>Case Studies</b> that demonstrate benefits to publishers, users, UK economy
	<b>Baseline:</b> on which benefits will be assessed against	

# Approach

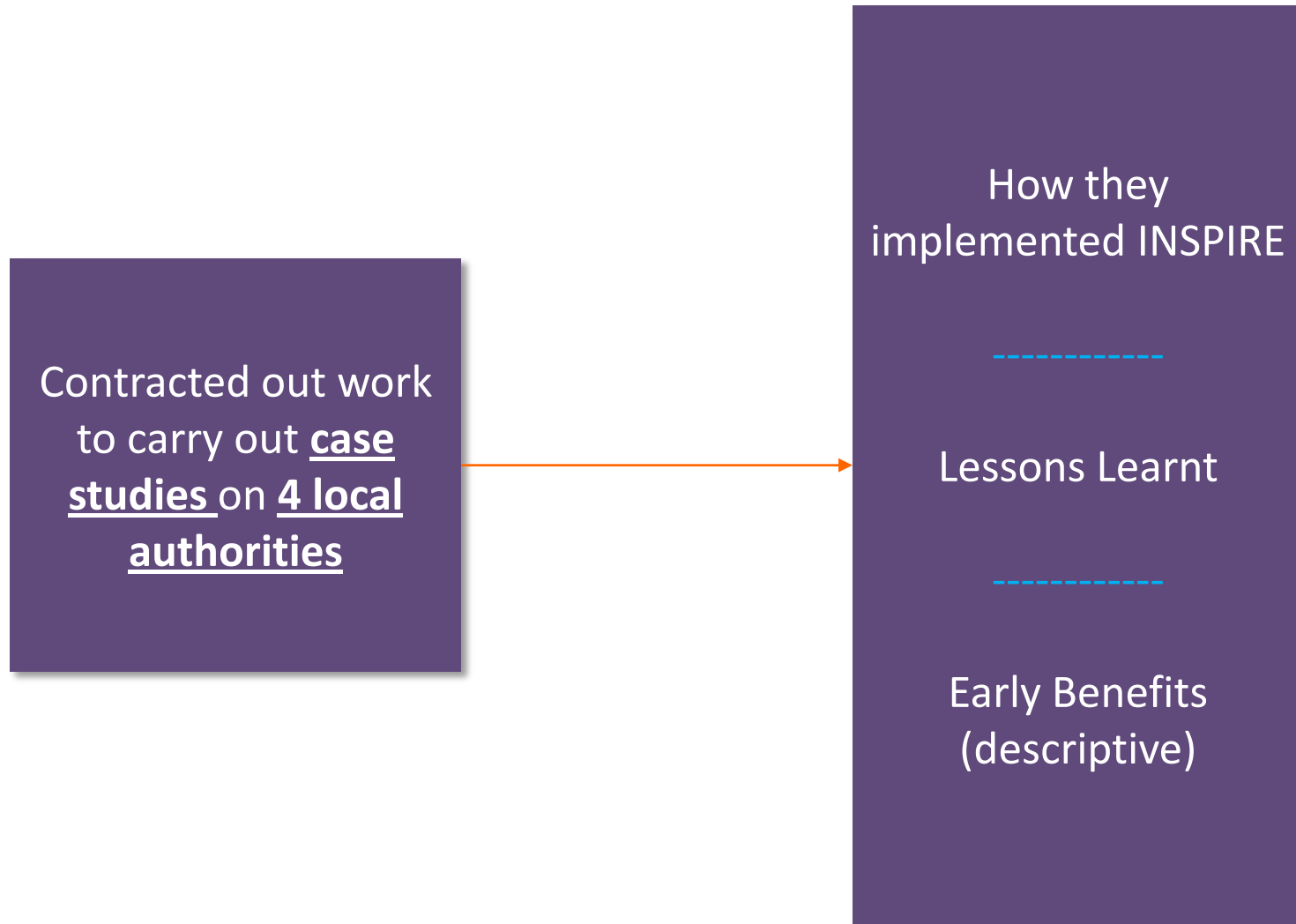




# Progress to date



# Progress to date: case studies



# Case study: Land Registry

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Land registration – guidance

## INSPIRE Index Polygons spatial data

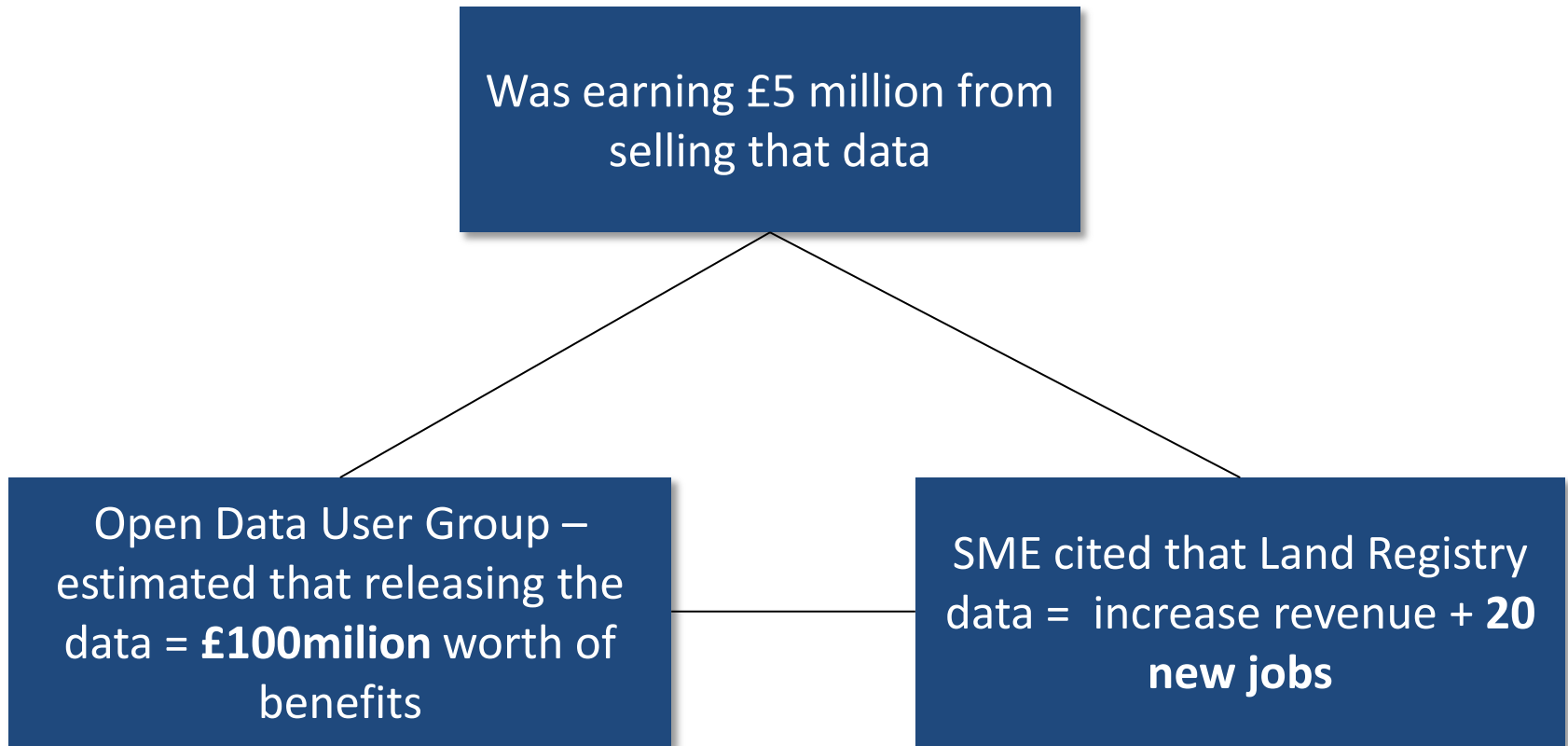
From: [Land Registry](#)  
First published: 14 August 2014  
Part of: [Data, Land registration, Housing and Business and enterprise](#)  
Applies to: [England and Wales](#)

View or download [Land Registry INSPIRE Index Polygons and Metadata](#).

[Contents](#)

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# Case study: Land Registry

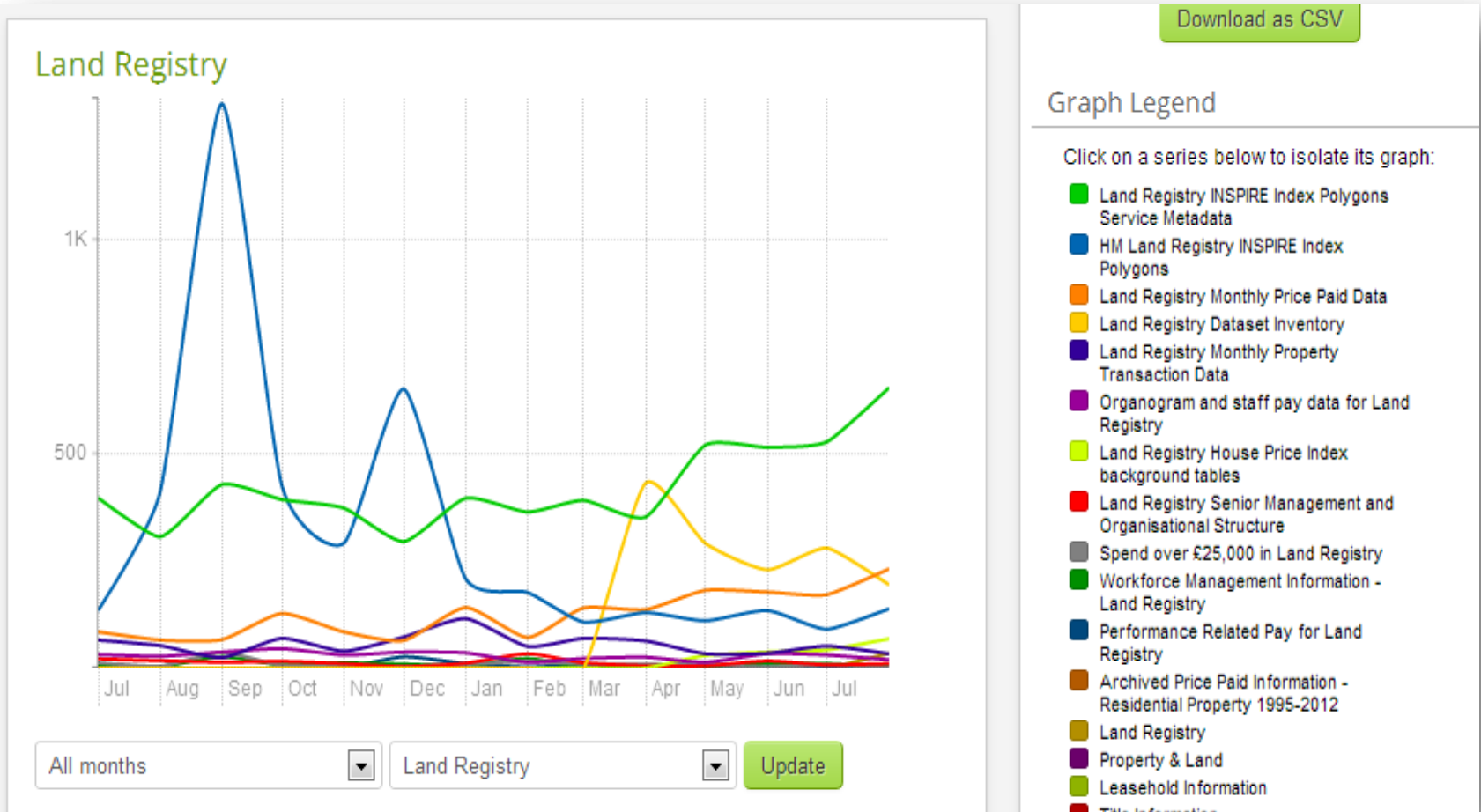


# Case study: Land Registry

	1	2	3	4	5
Efficiency					X
Environmental			X		
Growth					X
Social				X	
Transparency					X

*ODUG rating of Land Registry INSPIRE data*

# Case study: Land Registry



# Case study: Land Registry

## Open Maps

Making not just the best free map, but the best map

Friday, 18 October 2013

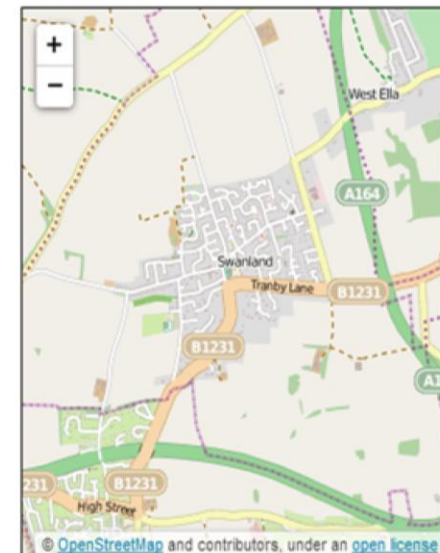
### Land Registry INSPIRE polygons

The UK Land Registry has released some open data as part of the INSPIRE directive. I say open data, but not very open, indeed hardly even ajar.

The Land Registry has released various data sets as recorded in this [blog post](#), but there is a serious issue with some of their data, the polygons that show the cadastre, or property bounds, data. As you might expect, the Land Registry use the UK's national mapping agency, Ordnance Survey, to base any mapping on. So when they reproduce any GIS-based data, it is based on OS maps and, as usual, OS claims that their viral licensing clause applies. So even though the Land Registry maintain the cadastre data and want to publish it under the liberal Open Government licence, OS prevent that by adding a personal-only, no publishing clause. This is a further example of how OS viral licensing is harming innovation and thus damaging business and potential open data users.

I have been using the Land Registry polygons to research the accuracy of creating Openstreetmap cadastre data simply by using surveys, permitted aerial imagery and local knowledge. I have decided to publish an example of what I have found under fair dealing of OS copyright and database rights. If OS are not happy about this I'm sure they will contact me and we could discuss it.

Map



# Case study: Land Registry



Cost-effective way of  
validating open street  
cadastre



# Case study: Land Registry

## INSPIRE

INSPIRE is a European Union (EU) initiative that simplifies the way public bodies across Europe share spatial data.

INSPIRE Index Polygons can be viewed or downloaded in pre-defined pots of data corresponding to Local Authority areas. The INSPIRE Discover, View and Download services are all available free of charge.



21,625,633

(Number of data elements (Polygons) available to view via **INSPIRE**)

62,600

Number of downloaded pots

15,327

Number of page views (July to October 2014)

From February 2012 to November 2014

# Thank You:

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