

Linked Data: Avoiding “Breaks of Gauge” in your Web Content

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About Me (In A Nutshell)



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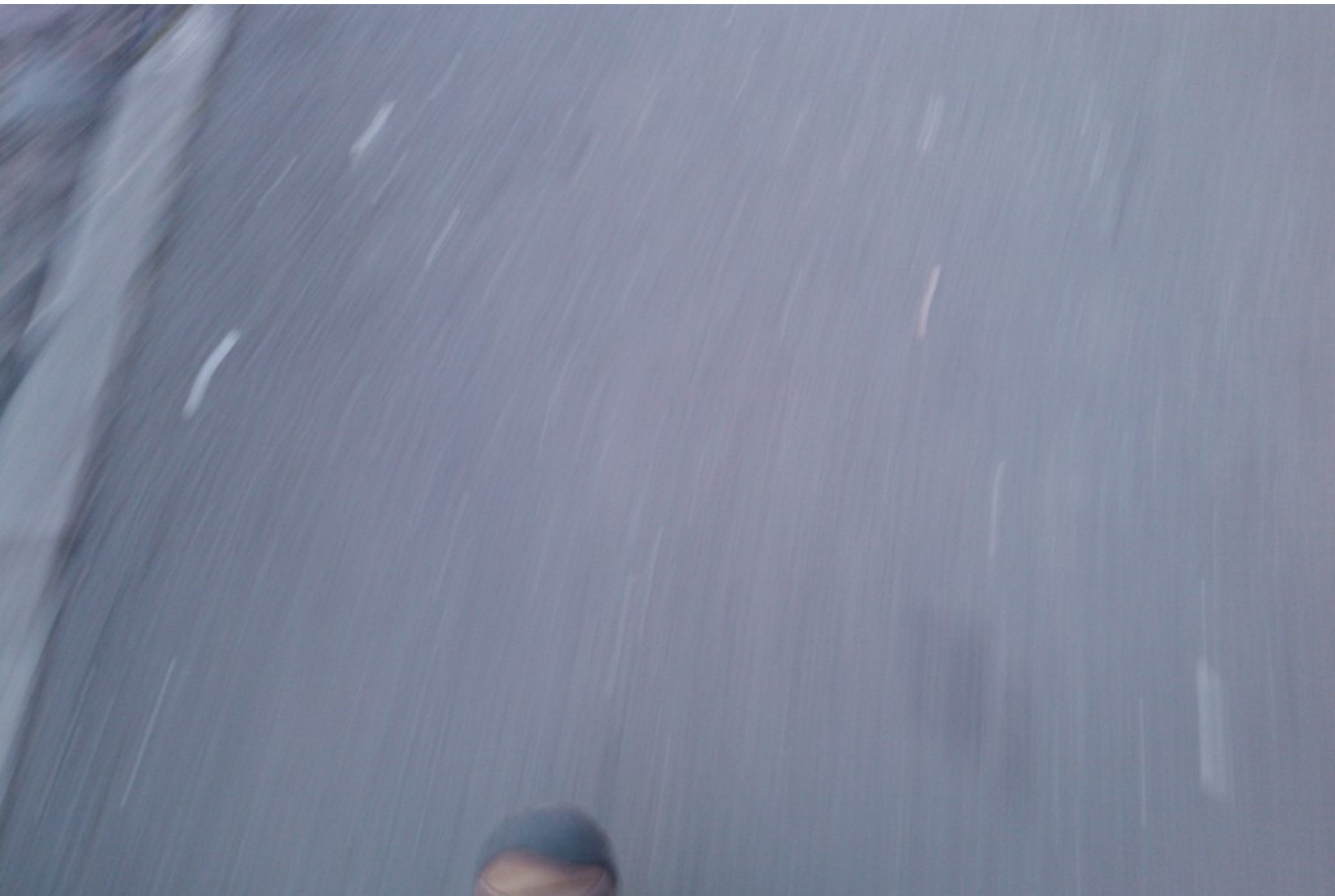
Tom lives in Bristol

Tom works for Talis

Talis is based in Birmingham



Let's go to Work!



Edward W. Godwin
1833 - 1886

Bristol born architect, furniture
and fabric designer. His work
includes the Carriageworks,
Stokes Croft and Highbury
Chapel, St. Michael's Hill.

Lived here from 1862 to 1865



















<http://www.flickr.com/photos/apenguincalledelvis/>





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About Talis

Careers

Corporate Overview

Board Members

Management Team

Contact Us

Location

Talis Intranet

Site Map

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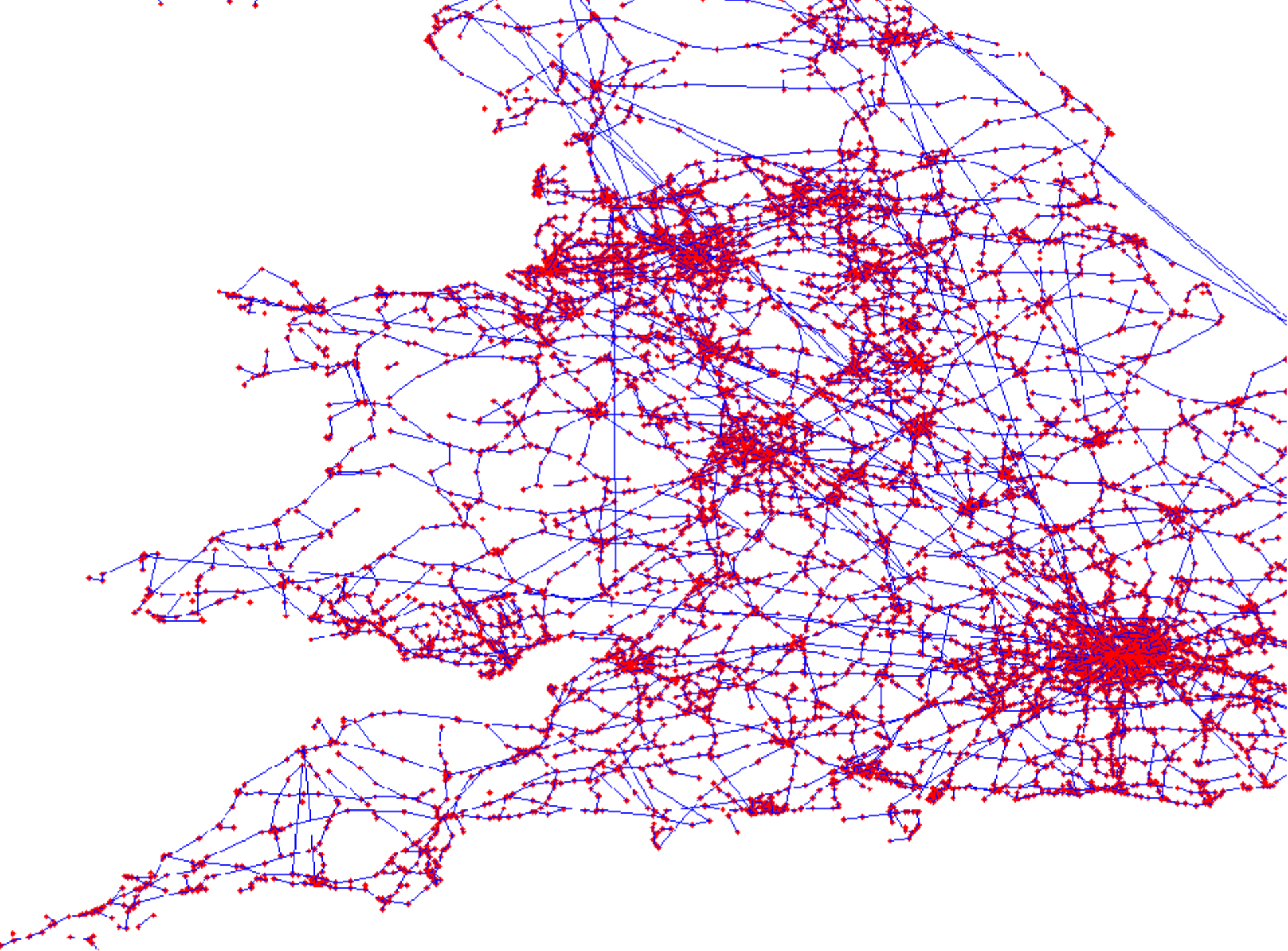


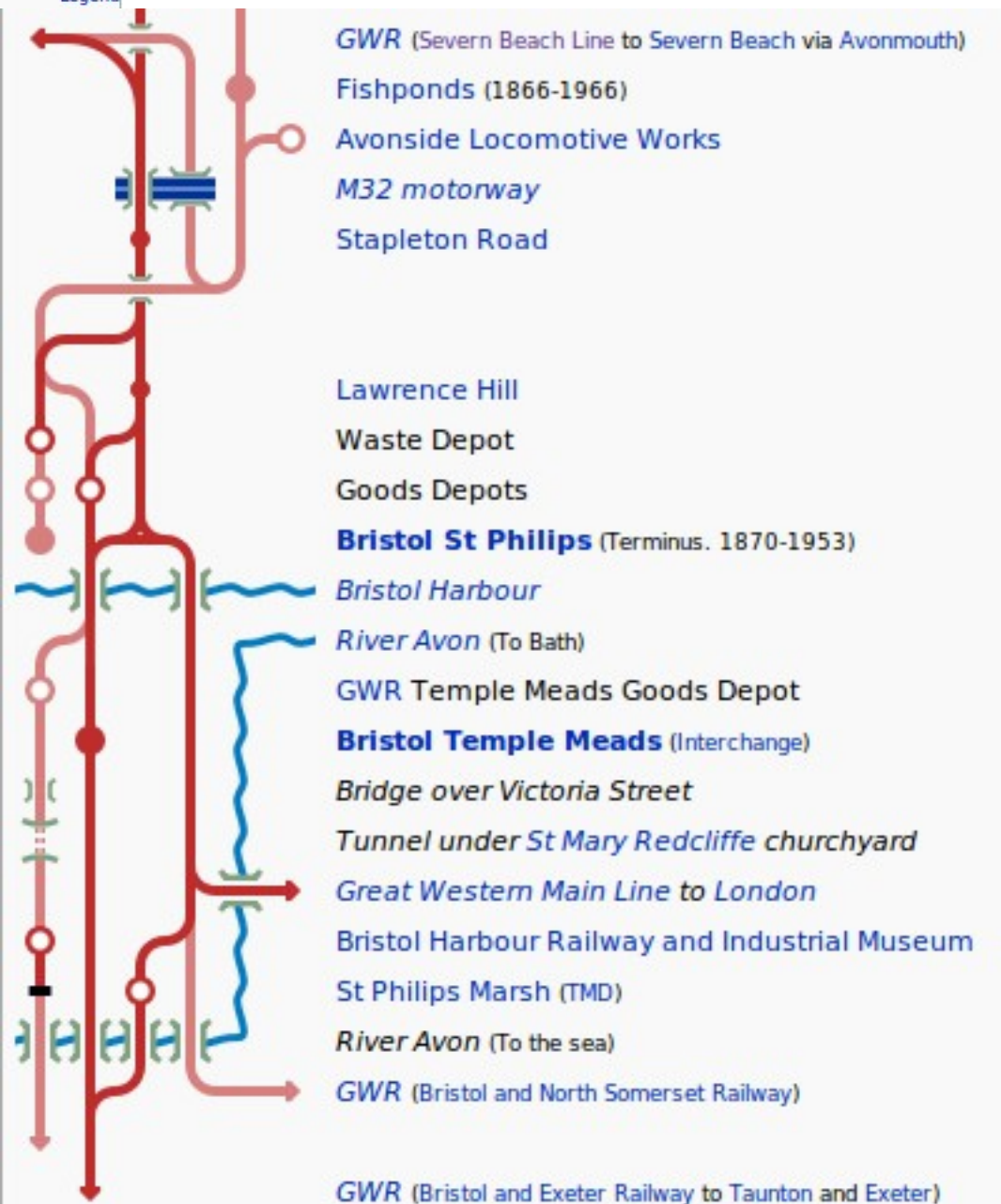
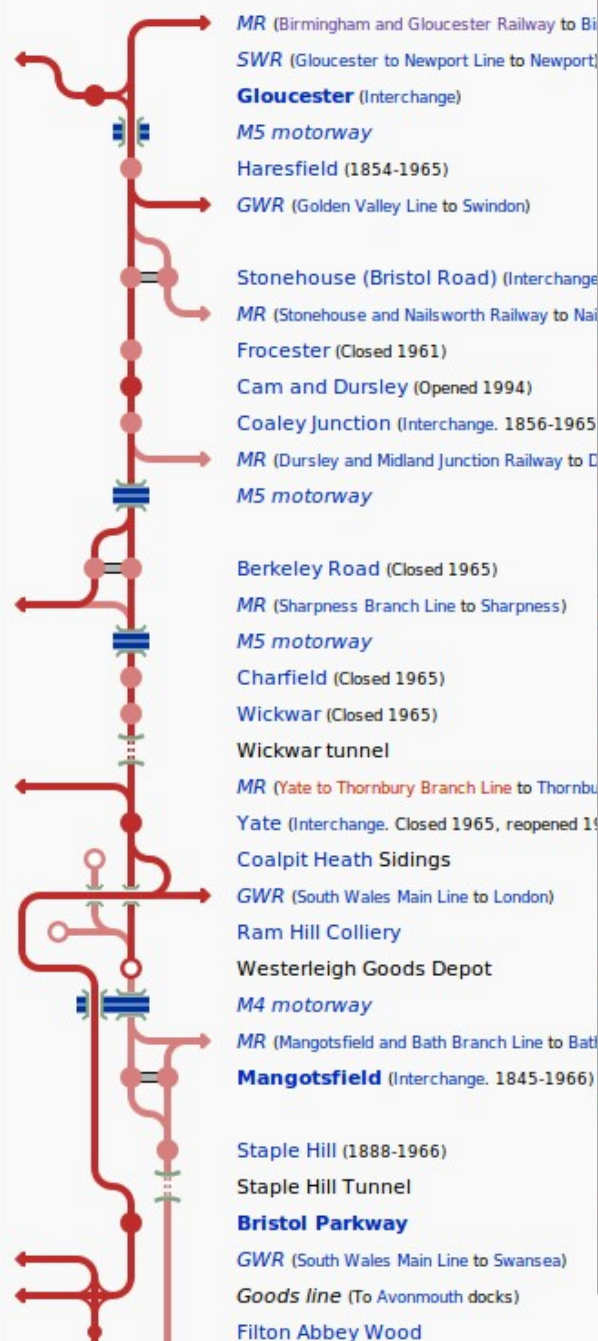
How to find Talis





What Makes This Possible?









The Historical Perspective



The Historical Perspective

“At that time, the **canal journey** from Birmingham to Bristol took **almost a week**, and the **road journey**, which due to **expense** and **road quality** was only really suitable for passengers, took the **best part of four days.**”

http://en.wikipedia.org/wiki/Birmingham_and_Gloucester_Railway

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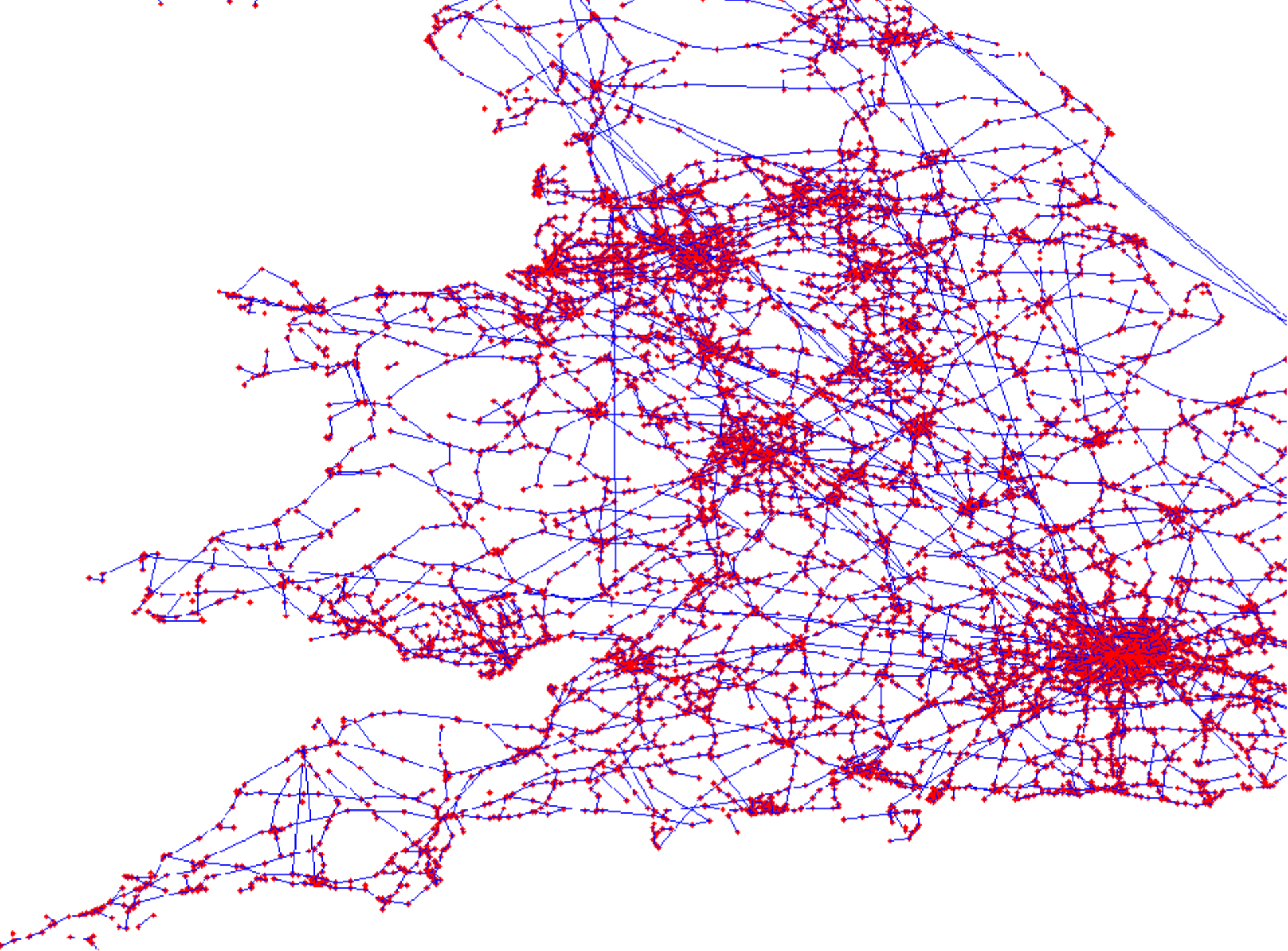
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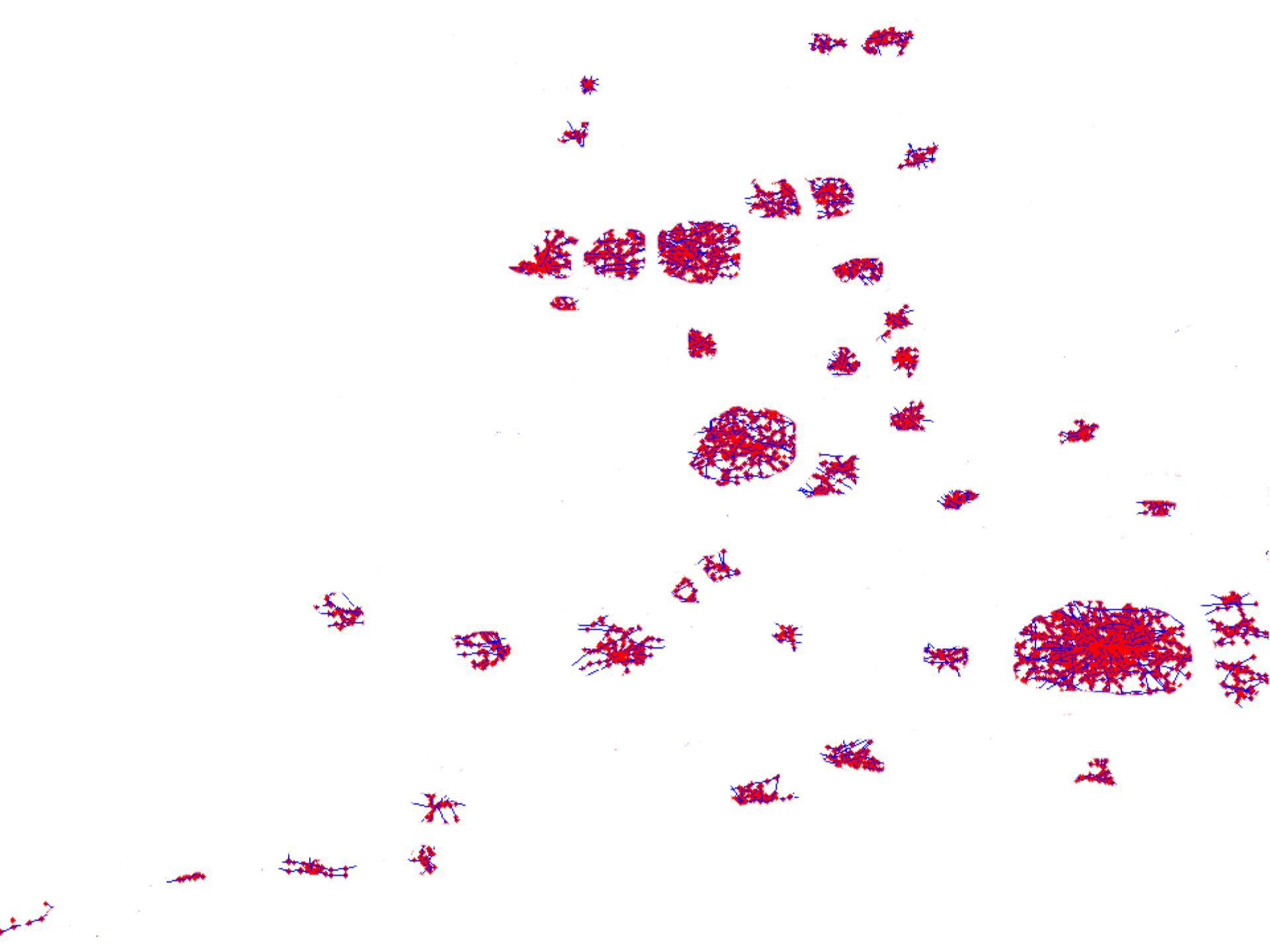
“The '**break-of-gauge**' at **Gloucester** was a **major problem**. It caused **pandemonium** as **whole trainloads** of passengers, and their luggage, **changed from one to another**, together with the transshipment of goods.”

http://en.wikipedia.org/wiki/Birmingham_and_Bristol_Railway



If Cities Were Data







Staff Directory

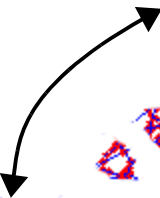


Staff Directory

Courses and
Modules Database

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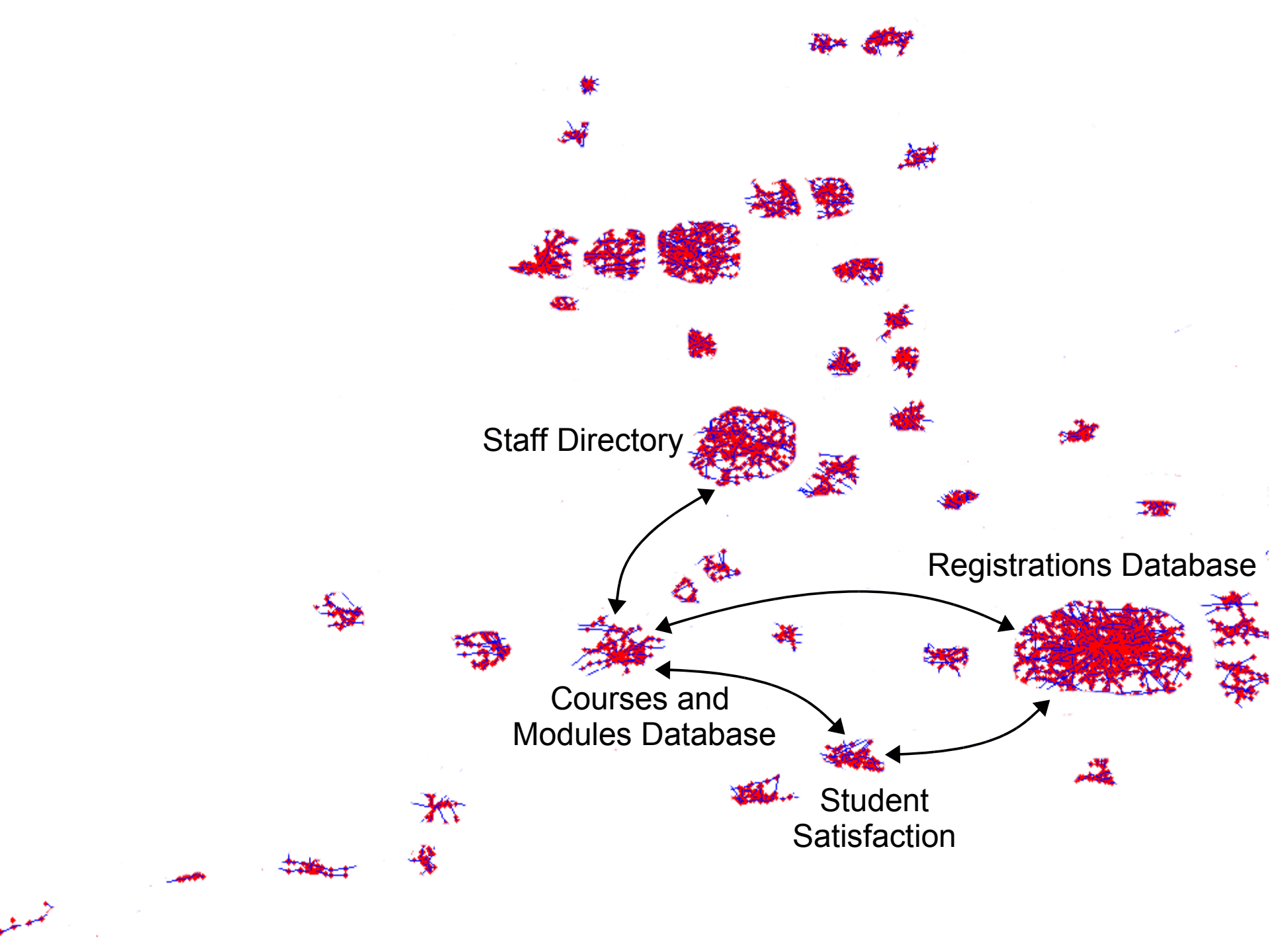


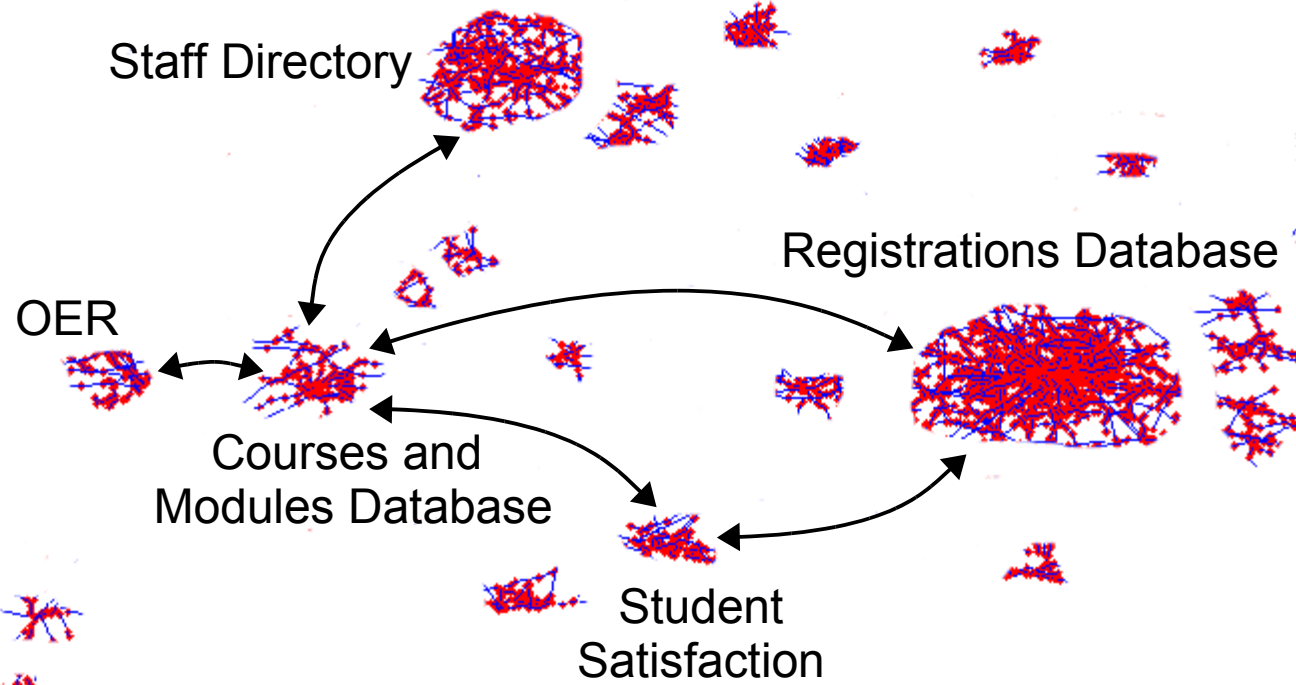
Staff Directory

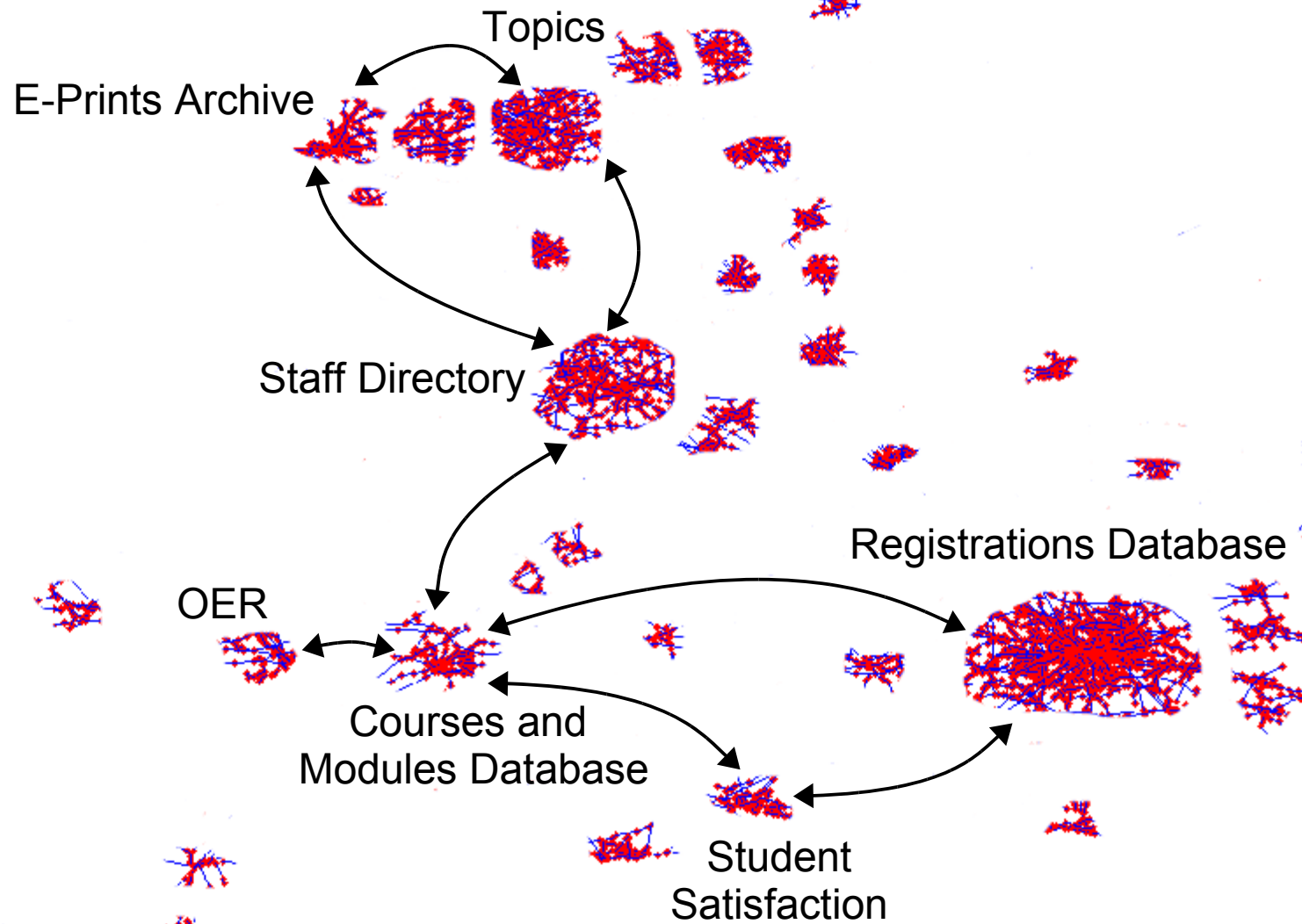
Registrations Database

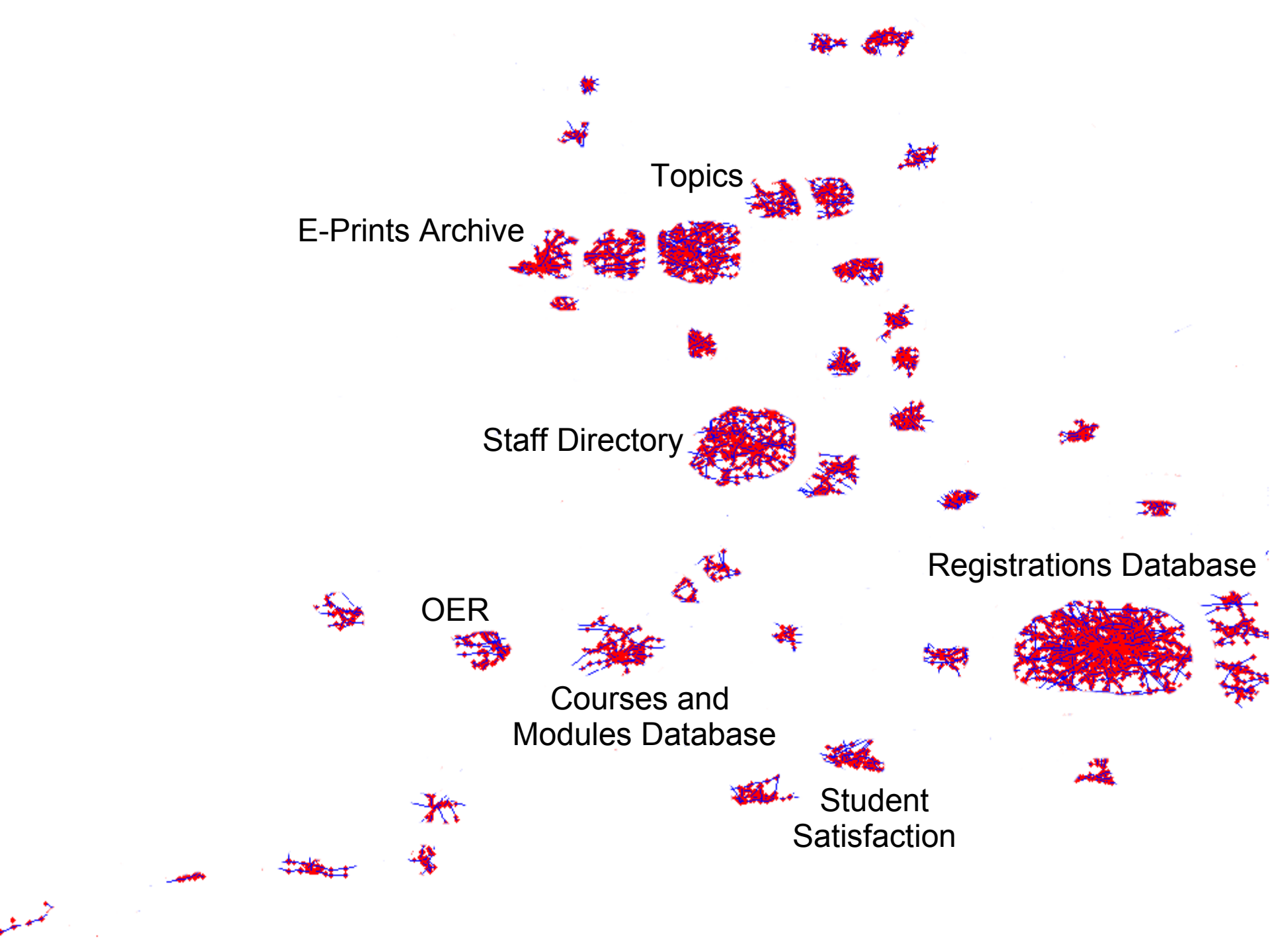
Courses and
Modules Database

Student
Satisfaction







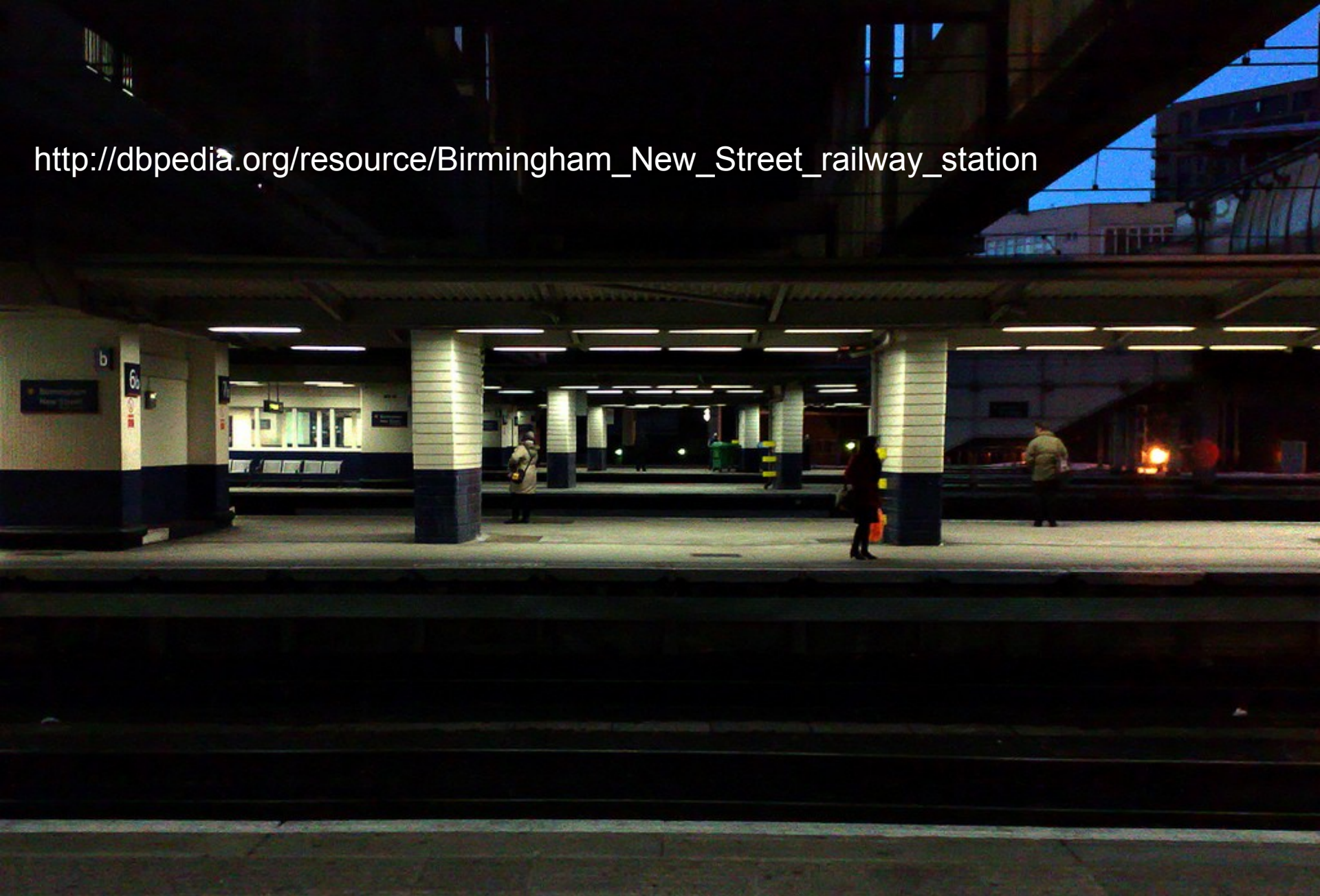




Gloucester is a Mashup

Linked Data is the Web

http://dbpedia.org/resource/Birmingham_New_Street_railway_station



<http://www.flickr.com/photos/apenguincalledelvis/>



http://dbpedia.org/resource/Lickey_Incline

http://www.flickr.com/photos/_mia/



http://dbpedia.org/resource/Bristol_Temple_Meads_railway_station





http://dbpedia.org/resource/Cabot_Circus



http://dbpedia.org/resource/Portland_Square%2C_Bristol

Edward W. Godwin
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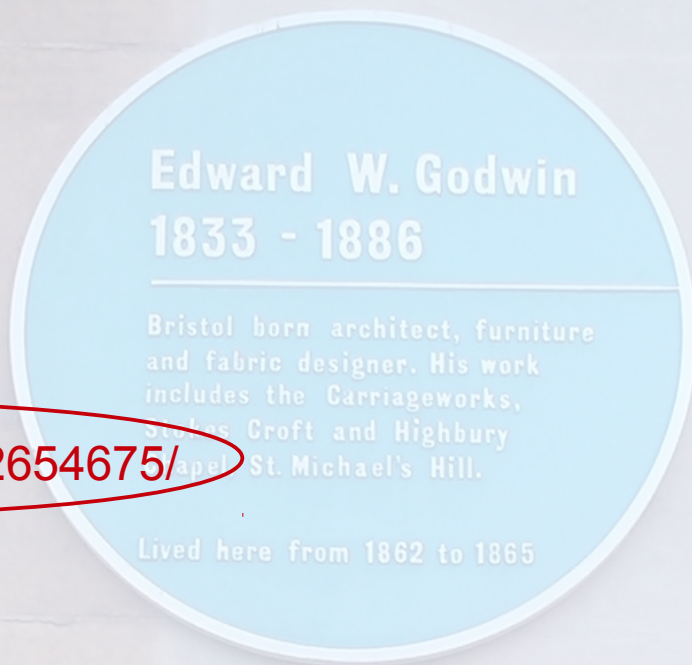
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<http://dbpedia.org/property/birthPlace>

http://dbpedia.org/resource/Edward_William_Godwin

<http://dbpedia.org/property/architect>



<http://sws.geonames.org/2654675/>

<http://www.w3.org/2000/01/rdf-schema#label>

Bristol

http://dbpedia.org/resource/Carriage_Works%2C_Bristol



Take Home Messages



Take Home Messages (1)

- Building physical networks adds value to the places which are connected
 - Why was the Birmingham and Bristol Railway built?



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 - Why was the Birmingham and Bristol Railway built?
- Building virtual networks adds value to the things which are connected
- Linked Data enables us to build a network or Web of data sets
 - Adds value to the connected data sets
- Using the Web infrastructure means no 'break of gauge' at Gloucester
 - Cheaper, faster journeys between data sets



Take Home Messages (2)

- How?
 - No need for a Big Bang
 - Exploit existing infrastructure
 - Build a backbone
- Costs?
 - As for any infrastructure investment
 - Bootstrapping cost vs cost savings and value of things that wouldn't otherwise get done



Questions?

- Slides
 - <http://tomheath.com/slides/2010-06-manchester-linked-data-avoiding-breaks-of-gauge-in-your-web-content.pdf>
- Contact Details
 - <mailto:tom.heath@talis.com>
 - <http://tomheath.com/id/me>
 - [twitter:tommyh](https://twitter.com/tommyh)