



Kiran Wattamwar

DES3336

FIELD NOTES

CONTEXT



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FIELD NOTES | CONTEXT



DES 3336

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CONTEXT



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CONTEXT



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A screenshot of a mobile navigation app interface. At the top, there are icons for signal strength, battery level (78%), and time (2:05 PM). Below that is a search bar with the text "Get directions". In the top right corner is a circular icon with a letter "K".

The main area shows a map with a blue route line. The road name "Coney Rd" is written vertically along the route. Two locations are marked with pins: "Reddin Coach Hire" with a blue pin and "Boghopper Brewery" with an orange pin. In the bottom right corner of the map is a blue circular button labeled "GO".

At the bottom of the screen, there is a "Google" logo and a "Explore nearby..." button. Along the bottom edge are three icons: "Explore" (location pin), "Commute" (house), and "For you" (flag).

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CONTEXT



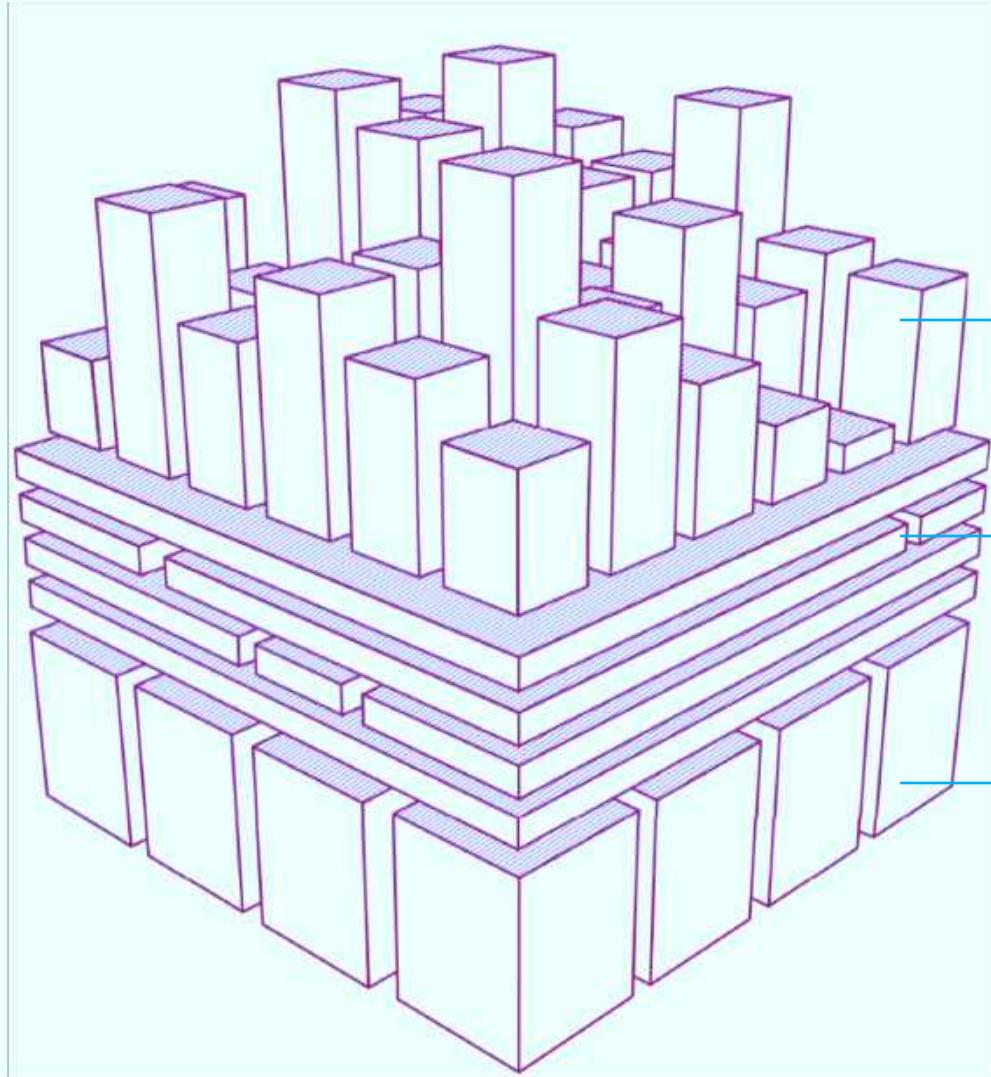
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FIELD NOTES CONTEXT



“... **modern cell phones**, which are now such a pervasive and insistent part of daily life that the proverbial visitor from Mars might conclude they were an **important feature of human anatomy.**”

**CHIEF JUSTICE ROBERTS**  
Riley v. California Decision



## An extremely reductive model of the digital world

**Digital Space and New Social Dynamics**

**Devices as a Human Interface and Information Broker**

**Internet Architecture / Infrastructure**

EU Roaming Regulation (EU 531/2012)  
**2012**

Roam Like at Home (EU 920/2017)  
**2017**

<b>Country</b>	<b>VAT</b>	<b>Currency</b>	<b>Outgoing call to EEA numbers</b>	<b>Inbound call</b>	<b>Outgoing text to EEA numbers</b>	<b>Data transfer (/GB)</b>
Ireland	23%	EUR	0.0393	0.0132	0.0123	7.38
United Kingdom	20%	GBP	0.0326	0.0110	0.0102	6.1286



[Home](#) > [Mobile roaming if there's no Brexit deal](#)



Department for  
Digital, Culture,  
Media & Sport



Northern  
Ireland  
Office

Guidance

# Mobile roaming if there's no Brexit deal

Published 13 September 2018

**This guidance was withdrawn on 5 April 2019**

New guidance published on 9 April:

[www.gov.uk/guidance/mobile-roaming-after-eu-exit](http://www.gov.uk/guidance/mobile-roaming-after-eu-exit)

## Contents

[Before 12 April 2019](#)

[If the UK leaves the EU with a deal](#)

[After 12 April 2019 if there's no deal](#)

[If you live in Northern Ireland](#)

[More information](#)

Delivering the deal negotiated with the EU remains the government's top priority. This has not changed.

However, the government must prepare for every eventuality, including a no deal scenario.

For 2 years, the government has been implementing a significant programme of work to ensure that the UK is prepared to leave the EU.

## If you live in Northern Ireland

Consumers and businesses in border areas should be aware of 'inadvertent roaming'. This is when a mobile signal in a border region is stronger from the country across the border. In this case, a consumer from Northern Ireland in a border region of Northern Ireland would roam onto an Irish network as the mobile phone signal is stronger from a network in Ireland.

To help address this issue, the government has passed legislation that in the event of no deal, UK law will retain the EU Roaming Regulation provisions that operators must make information available to their customers on how to avoid inadvertent roaming in border regions. And that operators must take reasonable steps to protect their customers from paying roaming charges for inadvertently accessing roaming services.

The availability and pricing of mobile roaming in the EU, including across the island of Ireland, would be a commercial decision for the mobile operators.

Some mobile operators have stated that they have no current plans to change their approach to mobile roaming after the UK leaves the EU. In addition, the Government is open to facilitating discussions between mobile operators to ensure that future arrangements are as effective as possible. However, surcharge-free mobile roaming in the EU may not continue to be standard across every mobile phone package when the UK leaves the EU.

https://www.bbc.com/news/business-45064268

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# NEWS

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## Mobile roaming charges: What will happen in Europe after Brexit?

By Reality Check team  
BBC News

11 February 2019

f Share

Reality Check



**Top Stories**

**Trump 'tried to get Mueller fired'**  
The long-awaited report into Russian interference in the 2016 election has been released.  
7 hours ago

**Eight new things in the Mueller report**  
8 hours ago

**Why no charge of obstruction of justice?**  
8 hours ago

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**Features**



The image shows a Mac desktop with two browser windows open. The left window is a BBC News article titled "Mobile happer" by Reality Check, BBC News, dated 11 February 2019. The right window is a WIRED magazine article titled "A no deal Brexit will mean the return of EU roaming charges" by Matt Burgess, dated Monday 25 March 2019. A black sidebar on the right of the WIRED page contains the text: "ADVERTISING REVENUE HELPS FUND OUR JOURNALISM. PLEASE CONSIDER DISABLING YOUR AD BLOCKER." The BBC News article includes a small image of a plane's engine.

**BBC NEWS**

Business

Mobile happer

By Reality Check  
BBC News

11 February 2019

Reality Check

**WIRED**

Technology | Science | Culture | Gear | Business | Politics | More

A no deal Brexit will mean the return of EU roaming charges

The European Commission's no deal planning confirms that people using UK mobile phone plans in the EU could once again face roaming fees

MATT BURGESS

Monday 25 March 2019

Photo: Getty Images

ADVERTISING REVENUE HELPS FUND OUR JOURNALISM. PLEASE CONSIDER DISABLING YOUR AD BLOCKER.

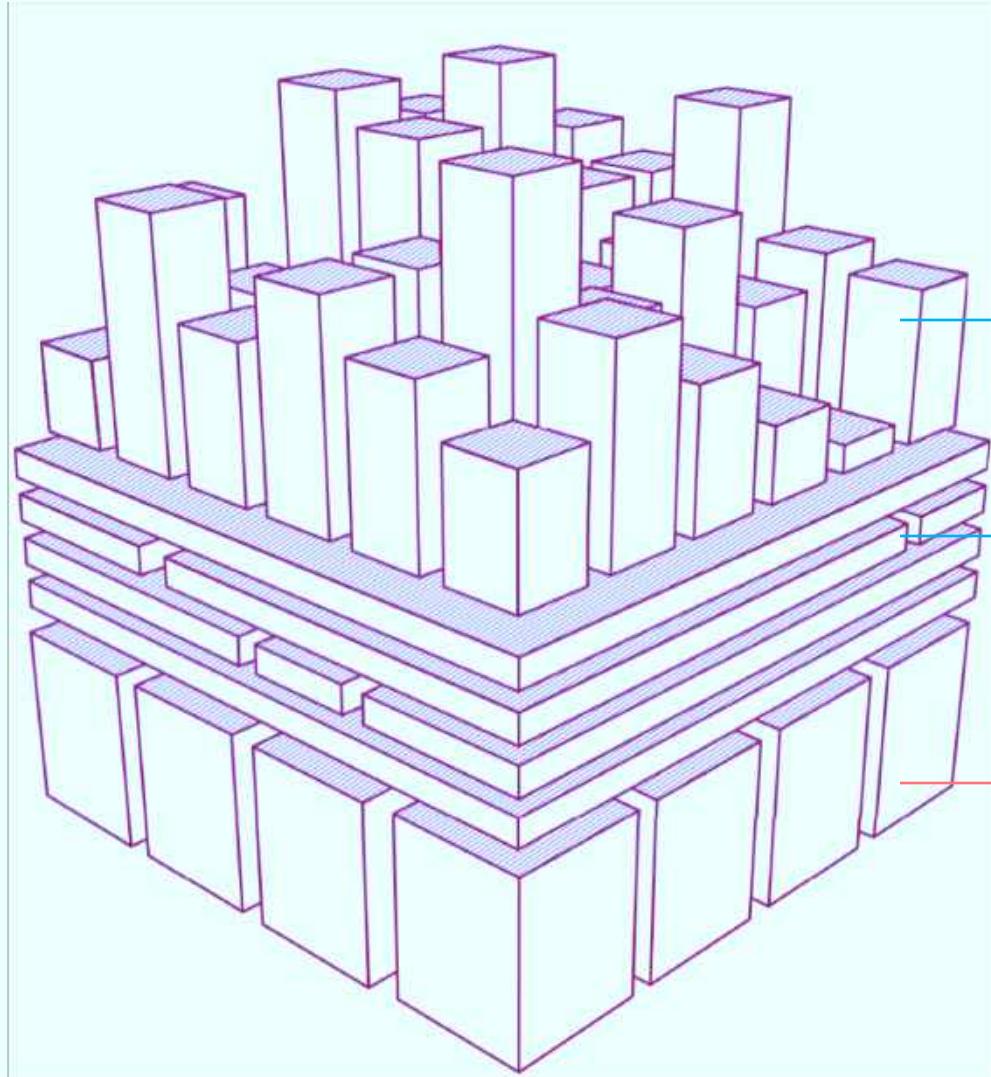
The UK's Brexit fate isn't decided, but the EU has set out its position for a no deal Brexit. And there's potentially some bad

The image displays three side-by-side screenshots of news websites, each featuring an article about mobile roaming fees in the context of Brexit.

**BBC News (Left):** The headline reads "A no deal Brexit return of EU mobile roaming charges". The article discusses the European Commission's proposal to impose roaming charges on mobile phones in the EU. It includes a photo of Matt Burgess, a BBC political correspondent, and a small image of an airplane.

**Independent.co.uk (Middle):** The headline is identical to the BBC article. The author is Peter Walker, a political correspondent. The article notes that the article is "more than 2 months old". It includes a photo of a man and a woman sitting on a beach, both looking at their phones.

**The Guardian (Right):** The headline is "No-deal Brexit could revive mobile roaming fees, minister confirms". The author is Peter Walker. The article states that "Charges for phone use abroad would depend on operators' commercial arrangements". It features the same photo of a man and a woman on a beach looking at their phones.



## Part 1: The Infrastructure

**Digital Space and New Social Dynamics**

**Devices as a Human Interface  
and Information Broker**

**Internet Architecture /  
Infrastructure**

**PROVOCATION**

Could hard Brexit leave  
communities along the border  
in the dark?

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FIELD NOTES

INFRASTRUCTURE



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INFRASTRUCTURE



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INFRASTRUCTURE



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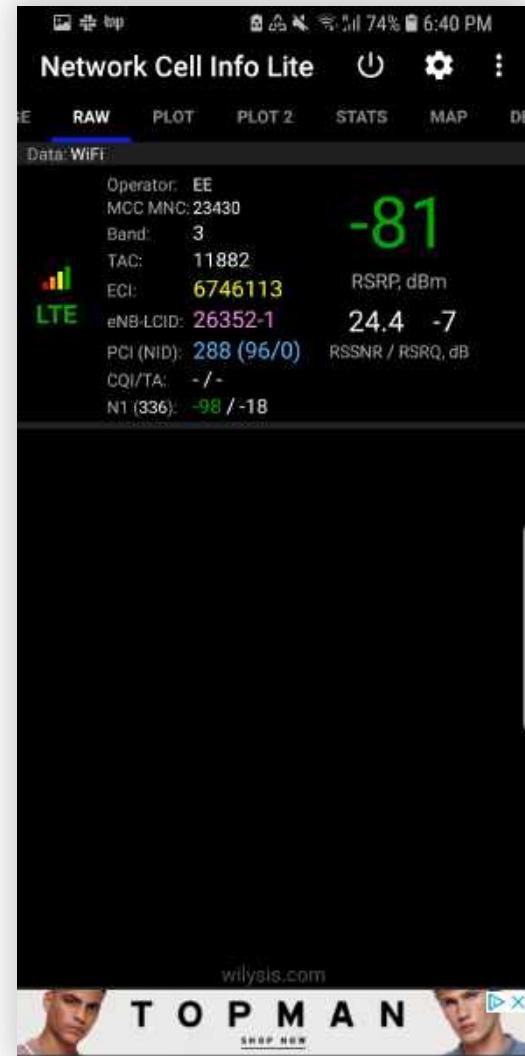
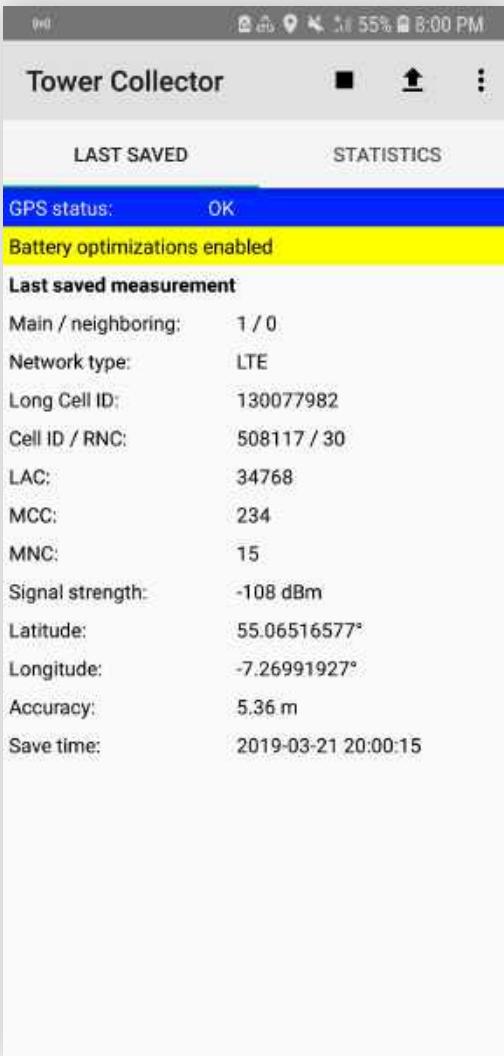


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FIELD NOTES

INFRASTRUCTURE





cell-tower-data-filtered

Search Sheet

Share

Home Insert Page Layout Formulas Data Review View

From HTML From Text New Database Query Refresh All Properties Connections Sort Filter Advanced Text to Columns Flash Fill Remove Duplicates Validation Consolidate What-if Analysis Group Ungroup Subtotal Hide Detail

D16 fx 47720

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	mcc	mnc	lac	cell_id	psc	asu	dbm	ta	lat	lon	accuracy	speed	bearing	altitude	measured_at	net_type	neighboring			
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5	272	2	401	48090		10	-93	53.5781675	-6.2105236	15.01	27.37	2.1	112.59	2019-03-18T08:19:05.203Z	GSM	TRUE				
6	272	2	401	47728		5	-103	53.5781675	-6.2105236	15.01	27.37	2.1	112.59	2019-03-18T08:19:05.203Z	GSM	TRUE				
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Countries (**MCC**)

Operators (**MNC**)

Latitude

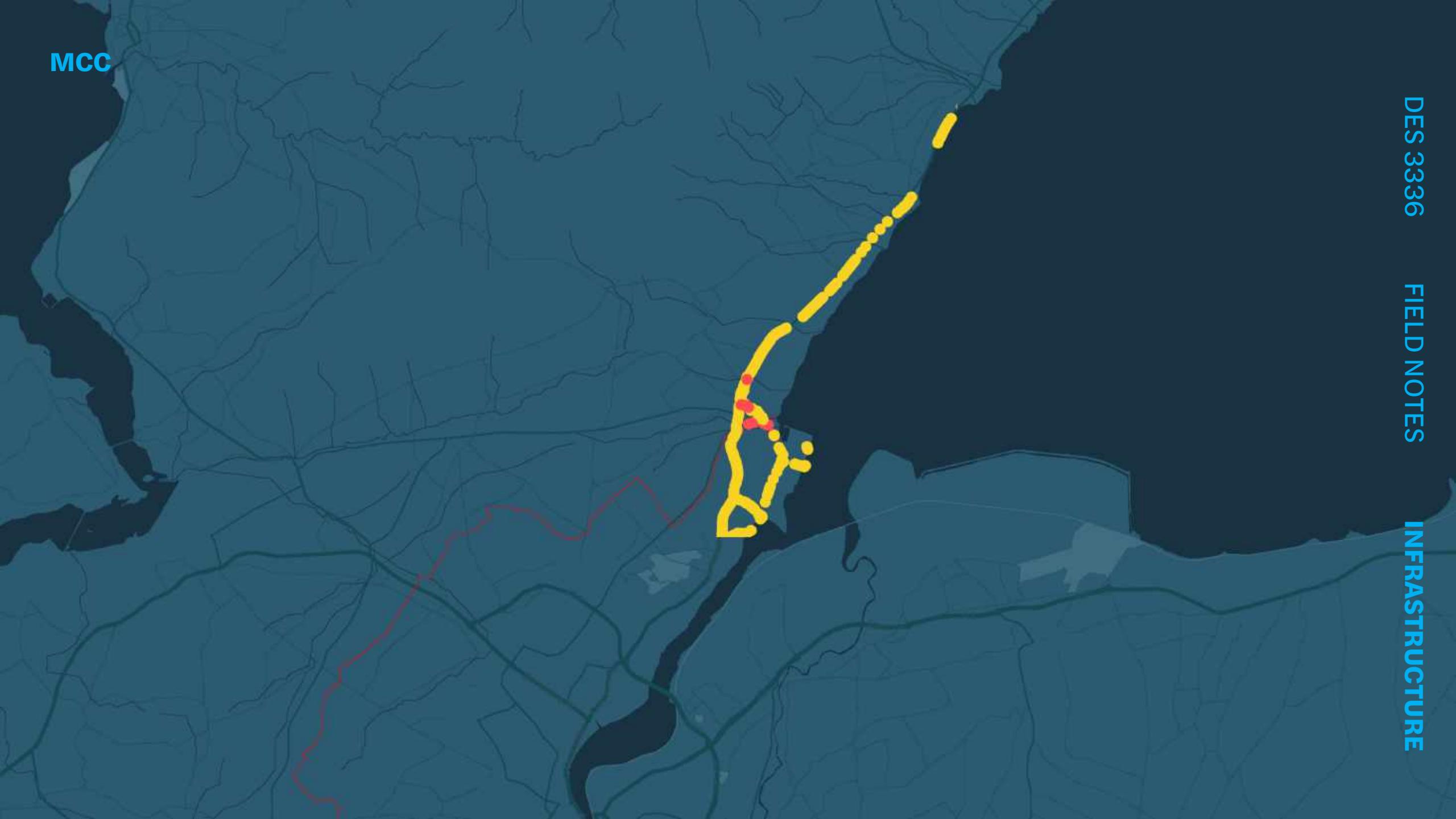
Longitude

Altitude

Accuracy

Signal Strength (**dbm**)

Speed



MCC

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FIELD NOTES

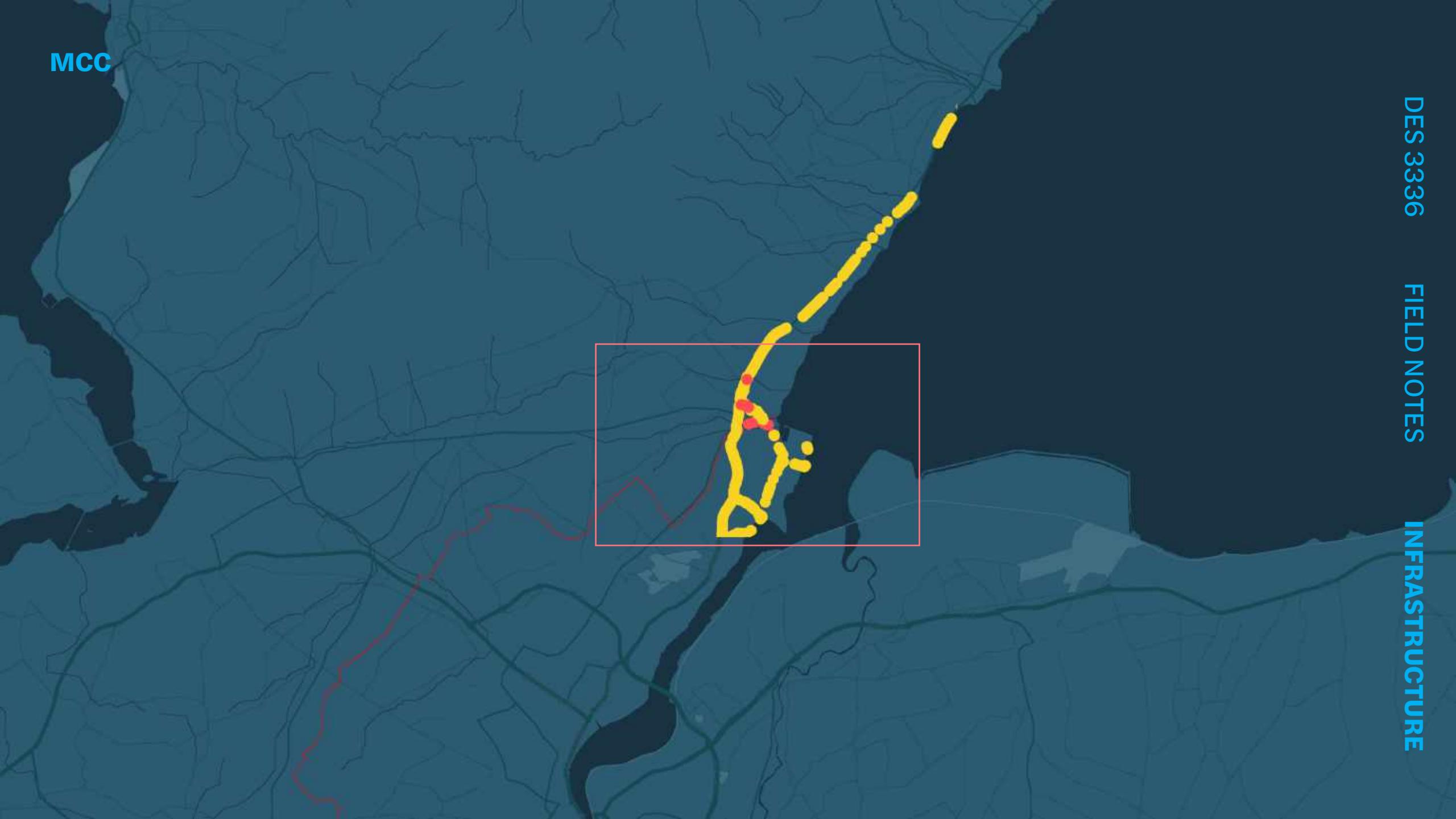
INFRASTRUCTURE

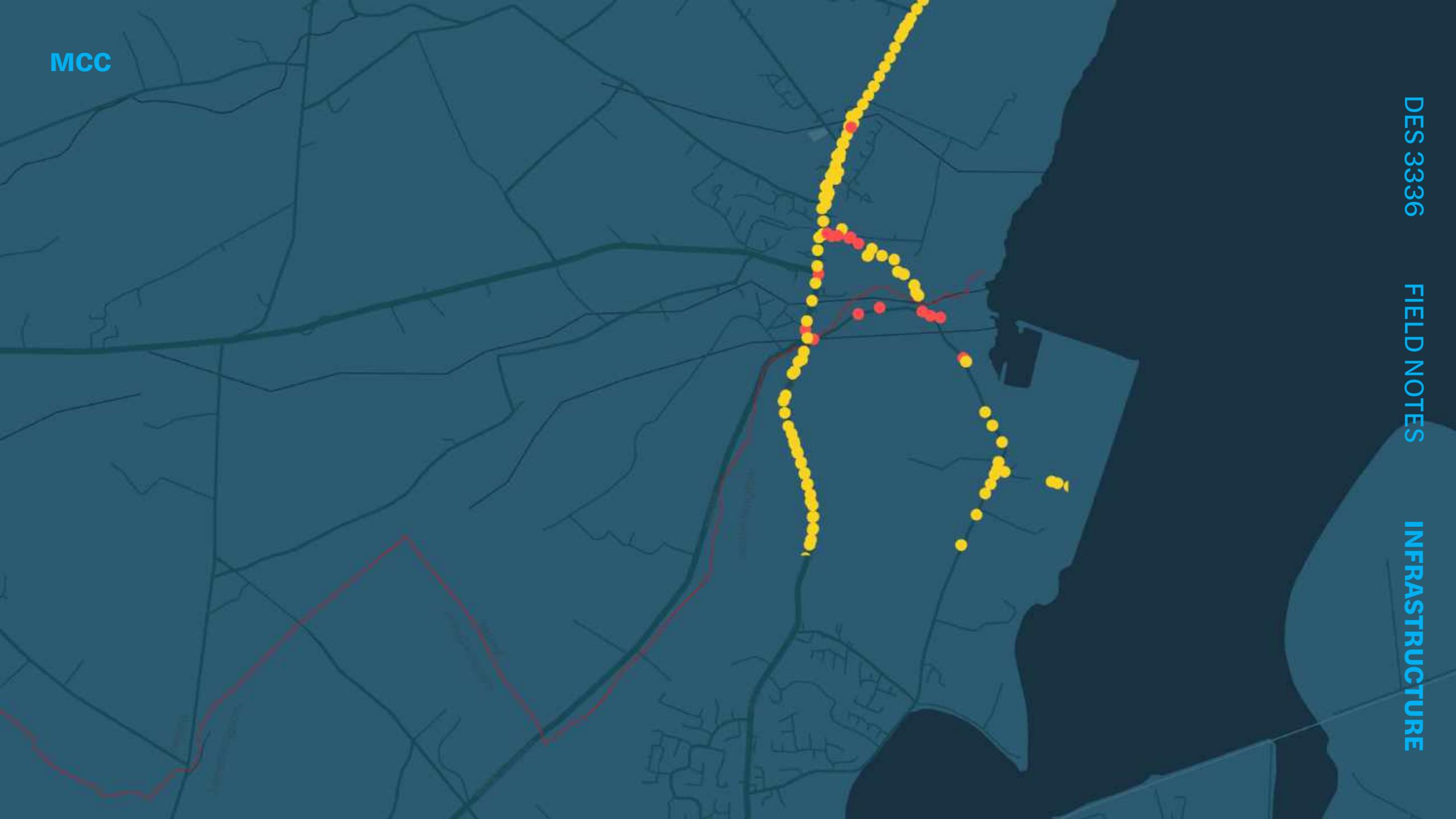
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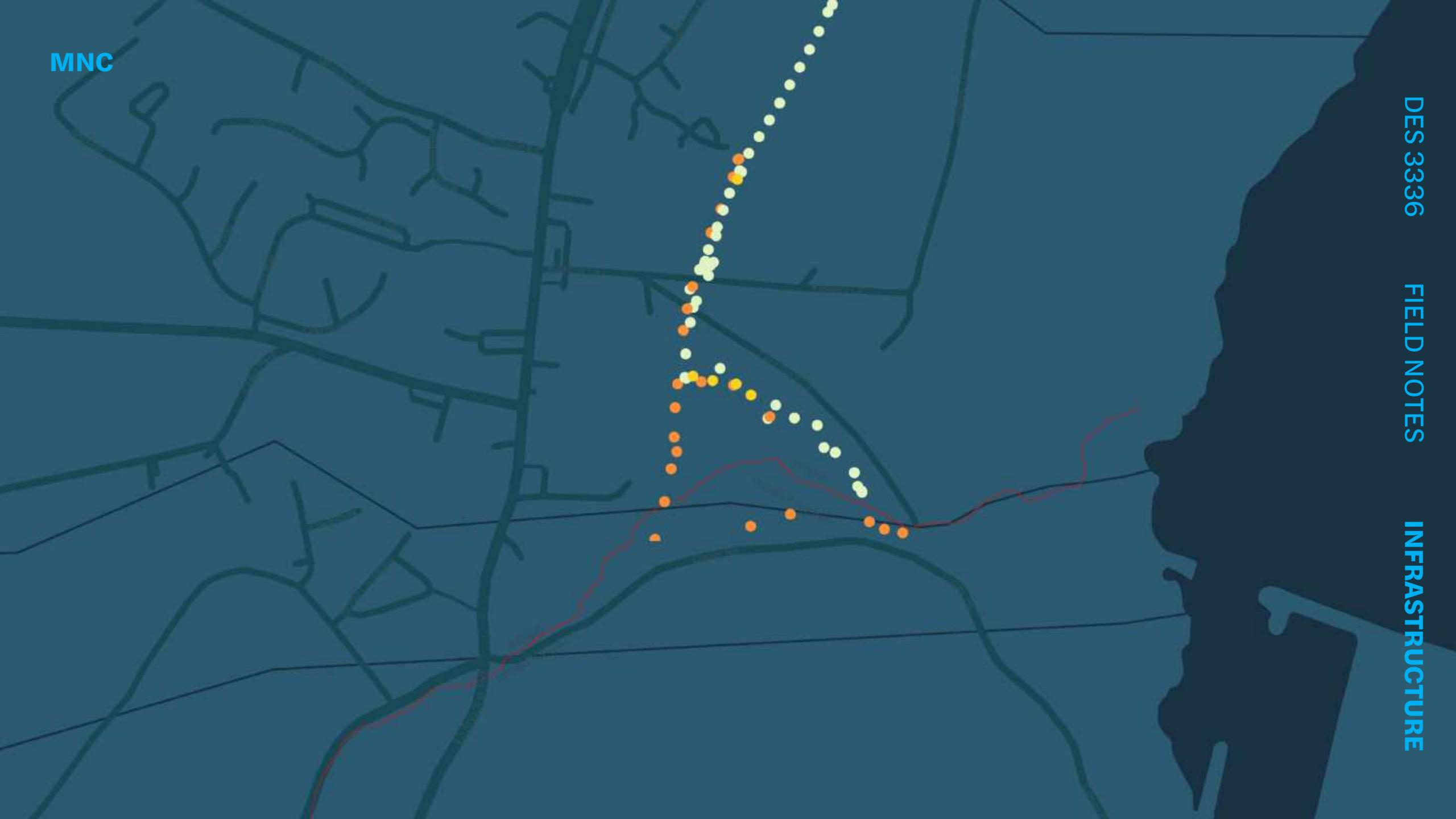
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FIELD NOTES

INFRASTRUCTURE

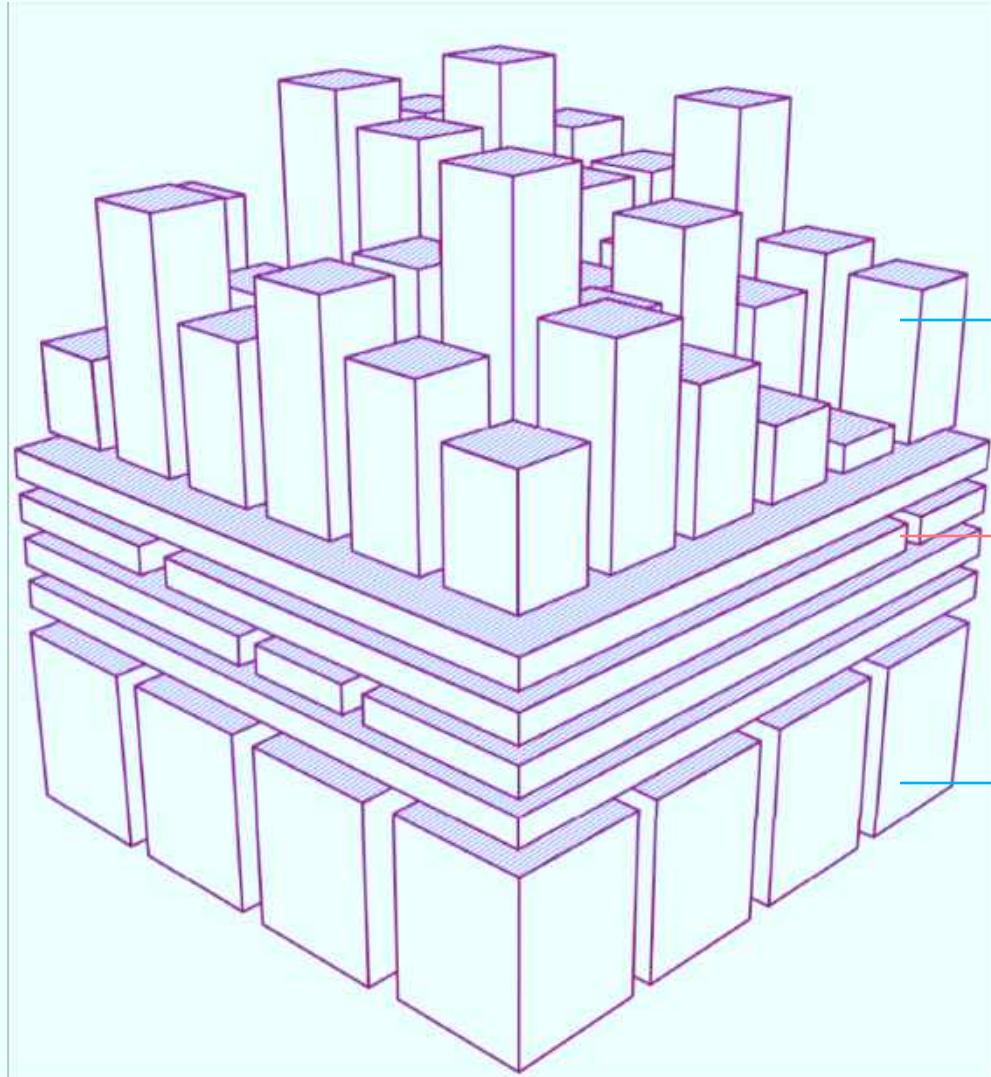






[kiranw.github.io/ireland-vis](https://kiranw.github.io/ireland-vis)

*\* Free API key, runs out fast*



## Part 1: The Interface

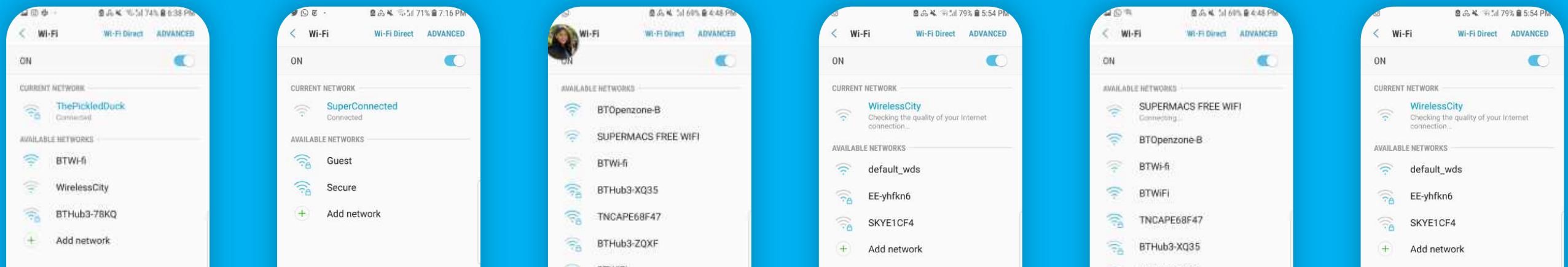
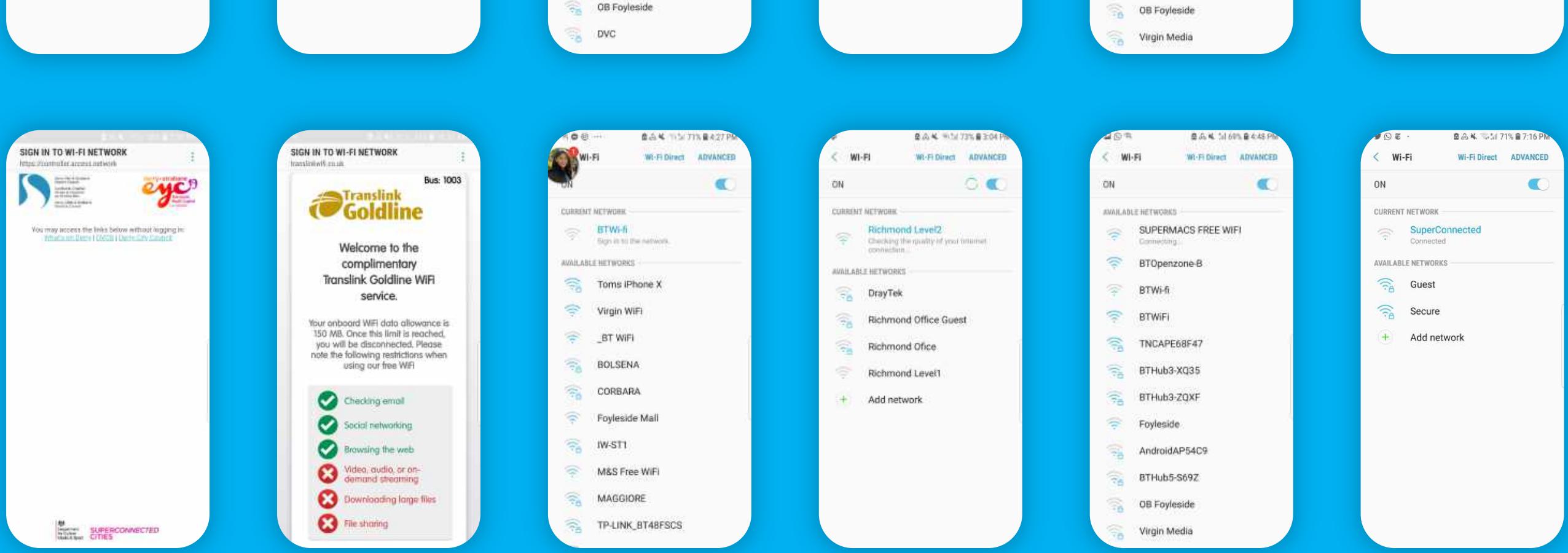
**Digital Space and New Social Dynamics**

**Devices as a Human Interface  
and Information Broker**

**Internet Architecture /  
Infrastructure**

**PROVOCATION**

How do devices shape the way people think about identity and access?



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FIELD NOTES

INTERFACE



though technology often serves to **connect and blur borders**, it imports human social dynamics and sometimes **reinforces the borders** that exist in physical space

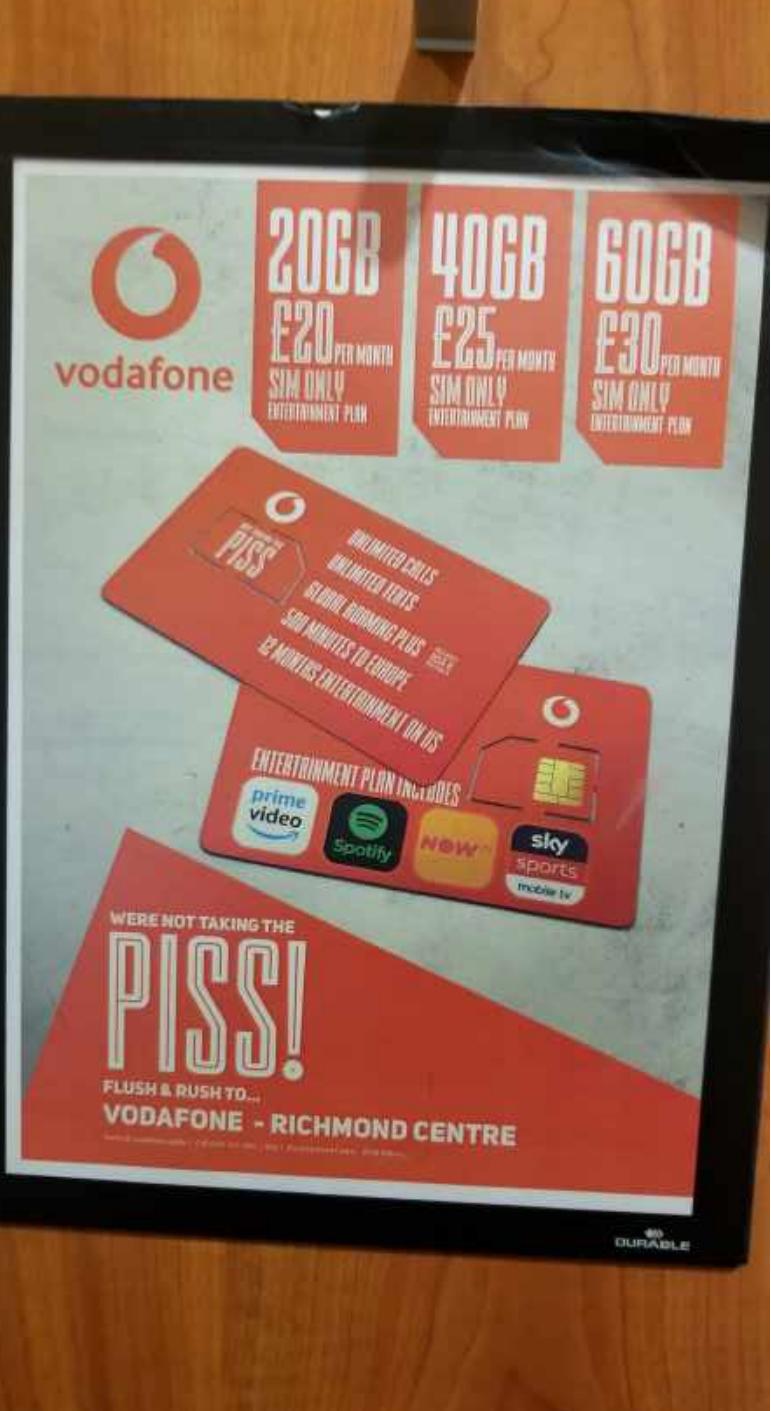
though technology often serves to **connect and blur borders**, it imports human social dynamics and sometimes **reinforces the borders** that exist in physical space

*Jackie uses her phones to sort who lives on which side, and refuses her dual SIM phone because it makes this ambiguous.*



## THE MARKET

85% of the telco market is dominated by 02, Vodafone, EE and 3



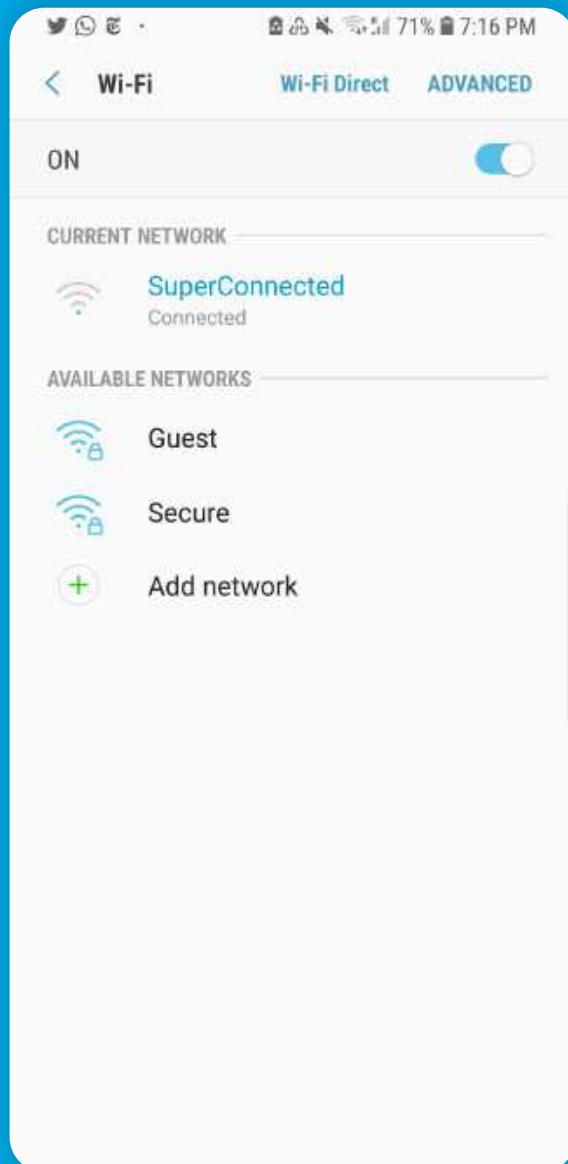
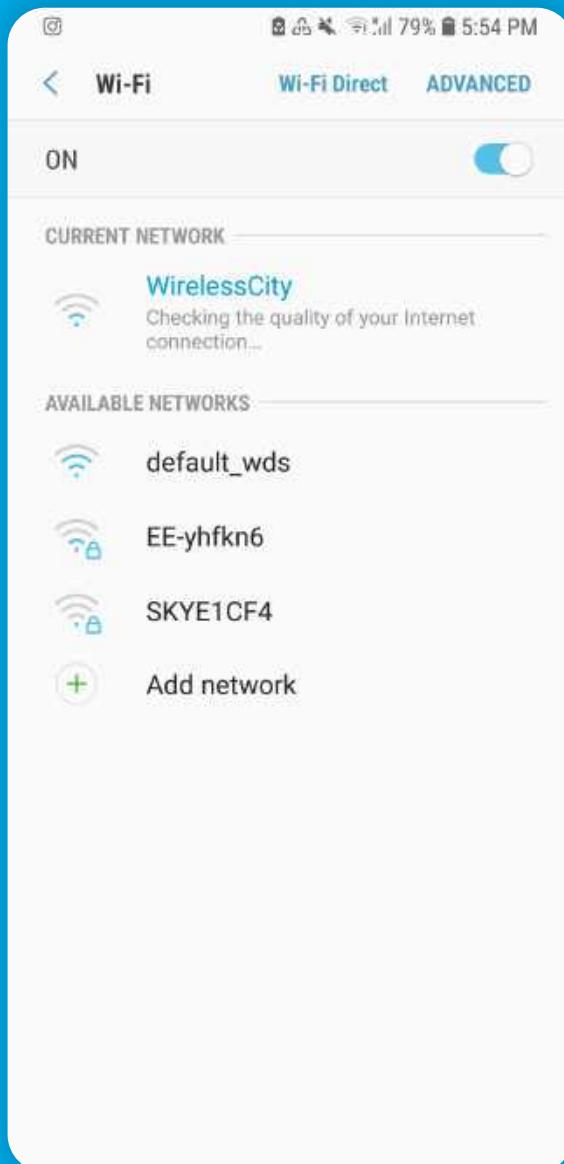
**“No one knows what the hell is going on.**  
Last week, some people from UK came  
with cameras to interview me but I said  
no. No one needs to have me on camera  
**talking about something I don’t know ...**  
But no one is worried.”

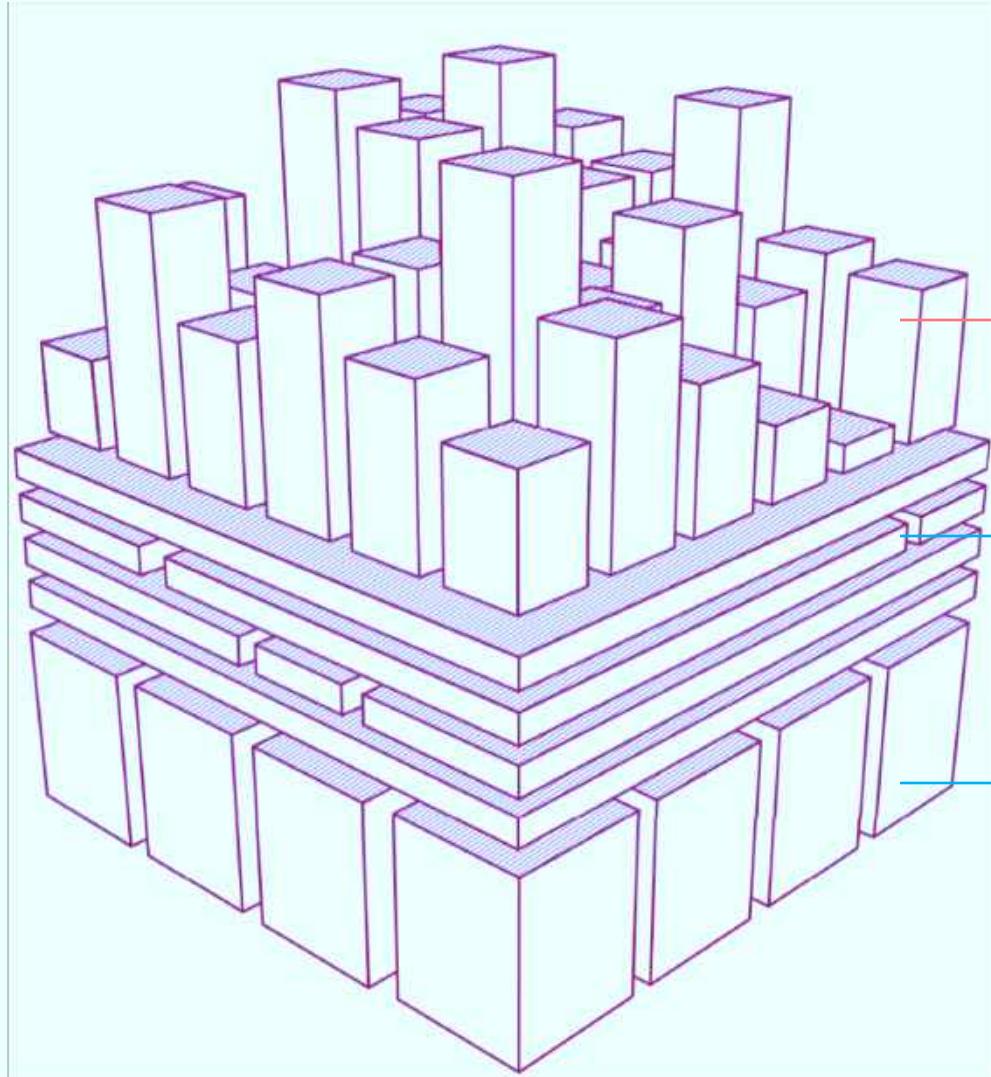
**LUCKY SINGH**  
RICHMOND MALL, MANGO

“We are committed to supporting you, and will let you know about updates about Brexit as they come by...

It's dreadful. **Just dreadful.**”

**GEORGE**  
O2, FOYLESIDE, DERRY



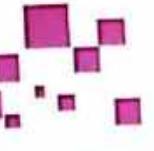


## Part 3: The Inhabitance

**Digital Space and New Social Dynamics**

**Devices as a Human Interface  
and Information Broker**

**Internet Architecture /  
Infrastructure**

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**libraries NI**

Libraries NI presents

## Digital eClinics

Learn about library eServices and general advice

**Derry Central Library**

**Wednesday 13 March**

**Wednesday 20 March**

**2.00, 3.00 or 4.00pm**

Booking Essential  
e: [digitalcitizen@librariesni.org.uk](mailto:digitalcitizen@librariesni.org.uk)  
t: 028 7122 9990



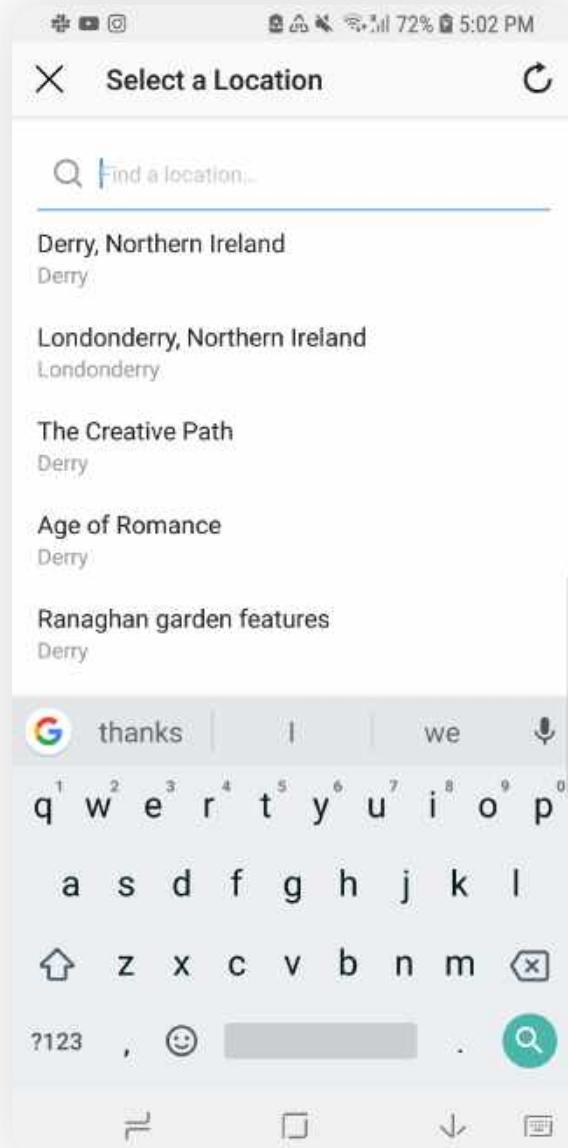
1002109360

**www.librariesni.org.uk**  
I confirm I have read Libraries NI Bylaws. This card may only be used by the person named on it. Please inform us if the card is lost or your address changes.  
name: *Trish Waller, mba*  
signature: *T. Waller*

Use this card in any library in Northern Ireland

1002109360

**libraries NI**



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FIELD NOTES

INHABITANCE

BARRACK  
STREET

EGLINTON  
PLACE

BLUCHER  
STREET

ST COLUMBS  
STREET

CREGGAN STREET

LITTLE DIAMOND

LITTLE JAMES ST

FREDRICK  
STREET

STANLEYS  
WALK

HAMILTON  
STREET



NELSON  
STREET

UNION  
STREET



“My pension card is like **gold dust.**”

**ANNA**  
ADULT ART CLASS, PILOT'S ROW

“There are 17.5 million people... we  
**cannot dismiss** their opinions.”

**GERALDINE**  
ADULT ART CLASS, PILOT'S ROW

**“If you don’t know, say no. That’s the Irish way.”**

**MARYANNE**  
ADULT ART CLASS, PILOT’S ROW

“Belfast has a suspended parliament...they’re  
on holiday. **Who speaks for us?**”

**LEILA**  
ADULT ART CLASS, PILOT’S ROW

“A sinking ship is fine **if the flag floats.**” (ironically)

**LAWRENCE**  
MEN'S GROUP, PILOT'S ROW

“You have officially been **baptized.**”

**GEORGE**  
MEN'S GROUP, PILOT'S ROW



# Greencastle community centre

## COMING SOON

- BASIC COMPUTERS
- BOOK KEEPING
- LANGUAGES
- HOMEOPATHY
- SIGN LANGUAGE
- SELF ESTEEM



## Naiscoil C

## The Lou

*In the Heart of your Community!*

### Greencastle Community Centre

- Training & Education  
Sports Activities  
Exercise Classes  
Room Hire  
Conference Suite  
Youth Club  
Sports Hall  
Fitness Suite  
Birthday Parties  
Peer & Social Support

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# SYNTHESIS

## “Troubles”

This sounded like a **euphemism** to me, personally. I thought there would also be another name and I understand the need for a less violent sounding name because it is still very fresh in everyone's' memories. It also seems gentle for what it was. There seemed to be a **resounding** feeling of the Irish sense of self (even in Derry-Londonderry), and at least from George's tour and passersby on the street, his generation had a strong sense of pride and agency. He described the civil rights movement as a terrible time, but one that was not marked by fear. He said people around here are stubborn, and fight for what they want, but the softened name “Troubles” does not imply the same.

## Brexit vs the Troubles

People naturally relate Brexit's potential effects immediately to the Troubles, and to the hard border that preceded the current seamless transition. This sometimes stokes fear, other times confidence that Brexit can't possibly be as bad (and that government would have to be crazy to implement something like what had been there before, again).

## Finding a Space to Vent

From these conversations in particular, it felt evident that even though support for mental health and counseling was plastered on the wall, that people did not feel like they still had a place to relive and process the Troubles. It seemed to intersect with every conversation and find a way back in, without being prompted, and it felt clear that people wanted to discuss it. Lawrence and George explicitly thanked me for giving them a space to vent, and suggested that if I weren't there that day, that they instead would have talked about sports. For a topic that is so clearly reflected on by so many individuals I have encountered, I wonder if the current mental health resources and normalization are enough. I also wonder how much people choose to suppress these feelings until prompted to resurface them, because it seemed like even in the home, memories of the Troubles were usually not brought up often because they were often attached to death or would color the opinions of children.

## Humility / “Feeling Qualified”

A pattern I saw on this day, and several others was that people did not feel qualified to speak about issues when I'd casually ask for their opinions. It seems like a combination of a deep sense of humility and a lack of information and support from the structures that are meant to offer it (ie. Belfast government on holiday, no local government in some areas to structure information, companies giving different information about the same services). The lack of information from the government and these fundamental institutions is somehow internalized in people as a lack of qualifications, and an inability to keep up (even though truly, no one can possibly know what is happening because even the origins of decisions on Brexit do not know).

## Making Connections

Ana had poor connection and was trying to download something when another local musician dropped by the desk to print some sheet music. He commented that she should check her internet speed and it was a dismal <10 mbps. For reference, it is around 100Mbps on Harvard's network. Ana also mentioned that in the last round of storms, lightning actually affected some local landlines leaving a few homes without telephones or television. They still had not been repaired and there was no promise that they would be soon.

## Staying vs Leaving and Generationality

People acknowledge that opportunity is limited here, and that children ought to get out to see the world. However, many do not want to come back and the jobs in Greencastle do not reflect what the generation of kids growing up there generally want to be. I asked Ana if she thought any would return to Greencastle to stay with her, and she wasn't so sure. But she supported her children's adventures abroad, and even traveled herself to see what their lives were like.

## Reinforcing Physical Borders, Digitally

On social media, locations have multiplicities of identities. Derry, Londonderry, Derry-Londonderry are all options on the Peace Bridge, and the digital actually reinforces the sectarianism present in the physical world instead of blurring the boundaries in this boundaryless space. Instagram is worth exploring to see how the technological border division manifests itself in a liminal space.

# MISCELLANY



