

# A Whirlwind Tour of Ireland's Internet History (from INEX's perspective)

**Barry O'Donovan** 

@barryo79 / @ComePeerWithMe

HEAnet National Conference
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- Born in Cork, matured in Galway and married into Dublin
- Maths Graduate of NUI, Galway, 2001
- NetEng, SysAdmin, PHP Coder, VolP
- INEX since 2007
- Co-founder of Island Bridge Networks

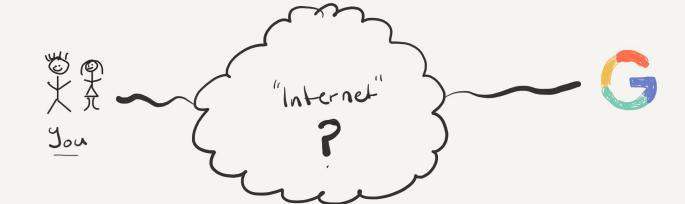


### Barry O'Donovan

@barryo79

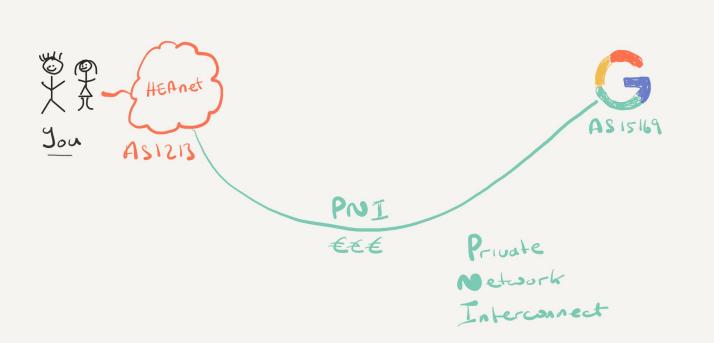
Husband, dad, network engineer, geek, sci fi fan, political anorak, founder @IslandBridgeNet, packet shepherd @ComePeerWithMe, PHP @ixpmanager #andacyclist

- Dublin, Ireland
- ⊗ barryodonovan.com

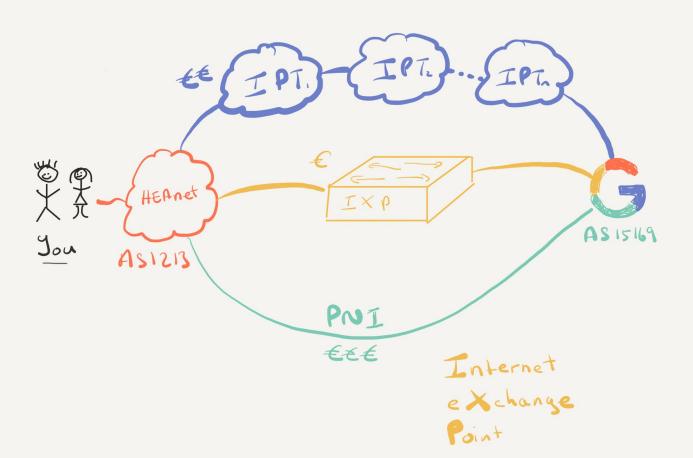


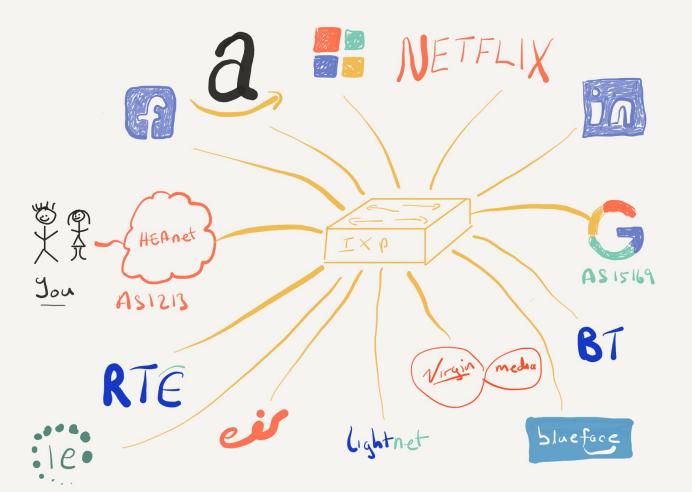


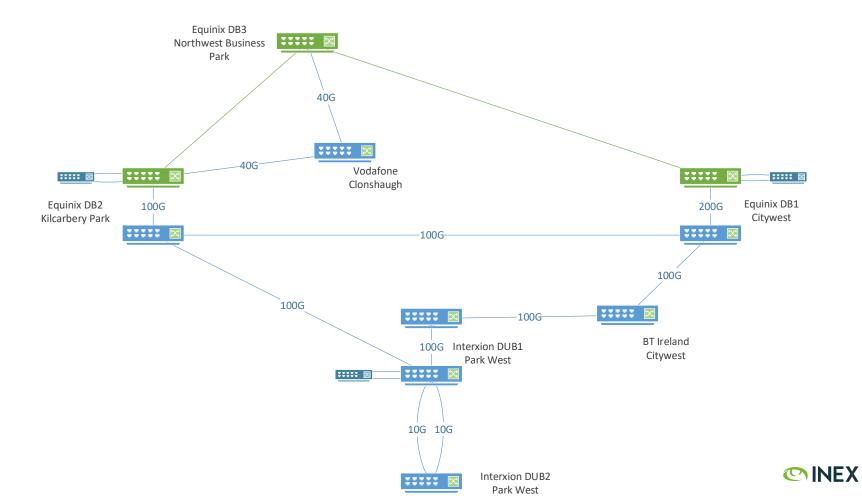




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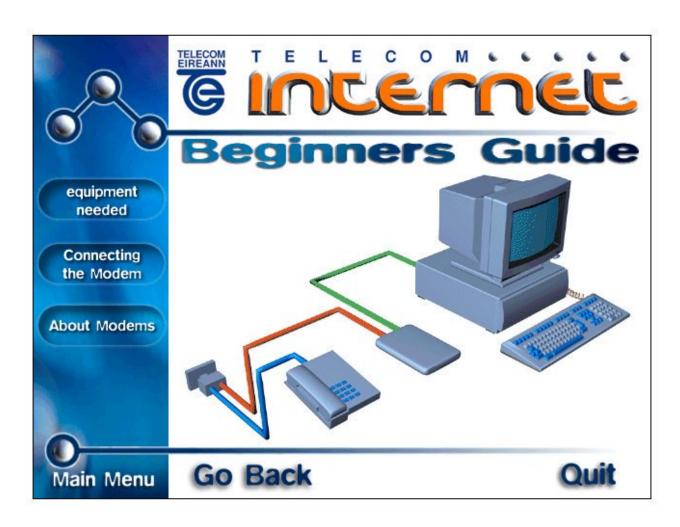
**Back To Where It All Began...** 



## **DIAL-UP**







# Internet Eireann

#### Limited Offer

LIFE Single Machine

Single Machine

Small Networks

Networks via 64K

Networks via Modem

Feeds for:

#### 8900 subjects on the USENET news

The Internet

100 Million people

via electronic mail

10 Million Megabytes

Free Software, Fonts,

World Wide Web

Clip Art, Sounds,

and more by FTP

# FLAT RATE INTERNET ACCESS

1			
Tel:	(01)	2781	060

USENET news

Chat

email: sales@internet-eireann.ie

Internet Fireann

Gardiner House

64-66 Lower Gardiner Street Dublin 1

£500.00 Inc. VAT Setup Month

> £15 £10 £75 £30 £100

**£CALL** 

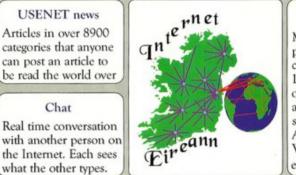
£750

SPECIAL OFFER - Limited Period FREE Month with 1 Year Single Machine

All our services provide full NETWORK level connections to the Internet, with no time or quantity limits or extras.

#### Electronic Mail

Articles in over 8900 Messages sent around the world in minutes categories that anyone for the cost of a local can post an article to phone call. be read the world over



World Wide Web

13 Months for the price of 12

Multimedia Hypertext pages provide point & click access to around 10 Million Megabytes of information stored around the world. On subjects as diverse as Astronomy and the World Cup. You can even shop on it.

#### File Transfer Transfer files to your

computer from any of

thousands of archives the Internet. Each sees what the other types. around the world. Internet Relay Chat Telnet Open a terminal onto Like chat, with many

people talking together another computer on the Internet. Used for The Internet version BBS, databases, etc... of a conference call.

Archie An information finder that searches for files on the file archives and

Gopher An information search and retrieve system. Gopher is an easy way to find and get files.

There are many other services on the Internet, from playing chess with someone in Russia to commercial databases.

locates them.

	Nodes in Galway and Dublin.
	Well established. Very nice
Ireland On Line	windows interface or normal
	:

£25 registration and charges from £10/month for up to 20hrs/month, £20/month unlimited access.

internet access. SLIP/PPP also available, no ISDN as yet. The main internet backbone in **IEUNET** Ireland. Nodes in Dublin, Cork,

Galway and Shannon. New provider. The intention is to provide a straight no frills Internet Eireann internet access similar to Demon in the UK. Node in Dublin.

£15 registration and then £10/ month for unlimited use.

Charges £3/hr (£1.50/hr off

peak).



**EUnet Ireland** 



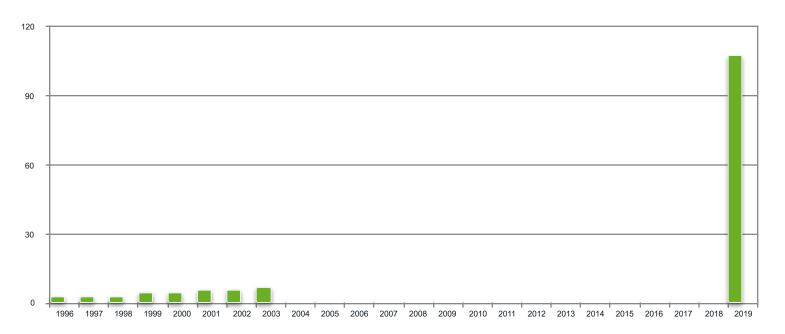
TELECOMEIREANN

First INEX Peering Members - Apr 1997



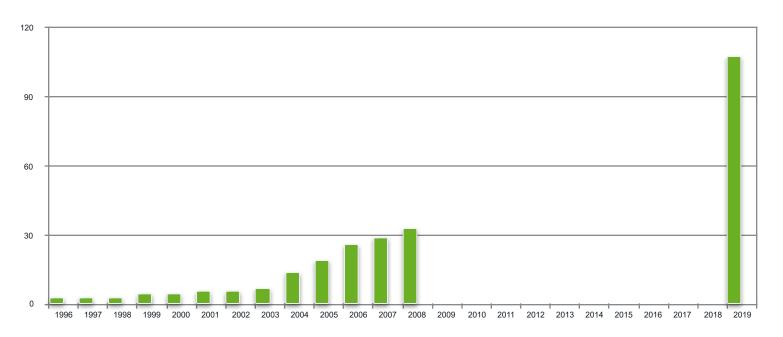


### **DIAL-UP**

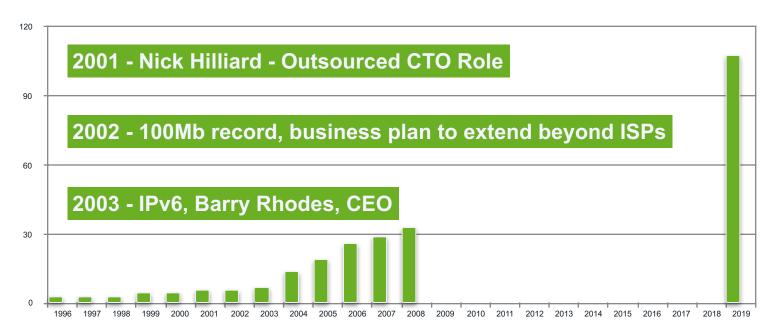




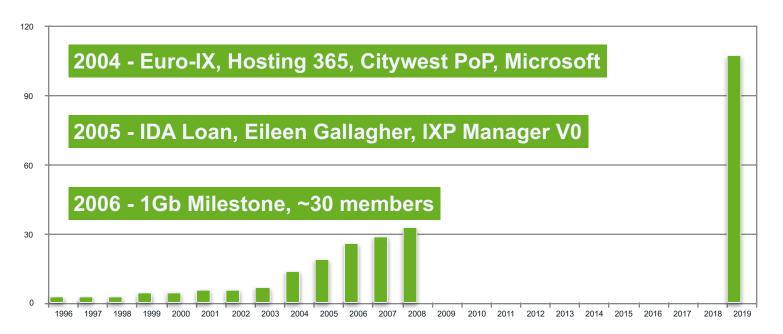
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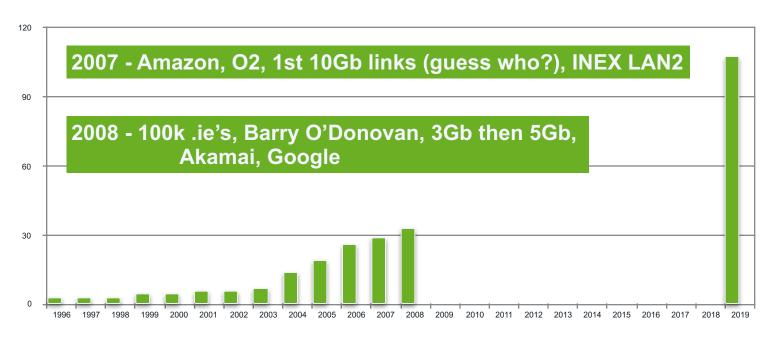
















**After Dial-up Internet Access, We Got ADSL** 





and anything is possible



Home In

Imagine Group

My Imagine

Recommend a friend and receive €30 cash everytime

#### €20 by joining online



£20 credit will be applied to the first invoice value for broadband orders submitted through www.imagine.ie

Find out more >>

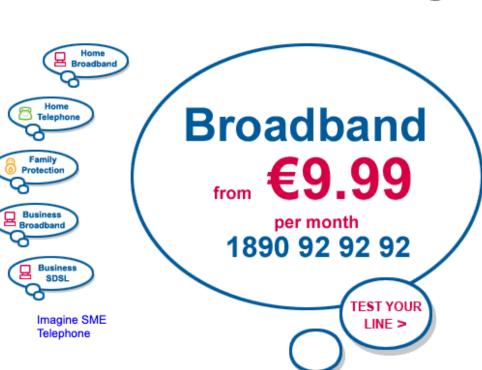




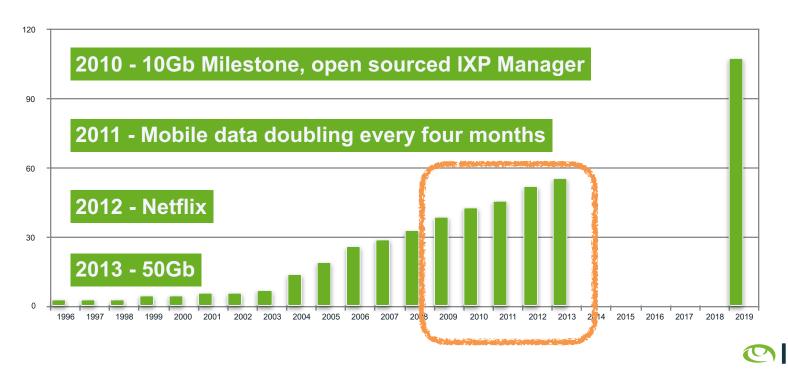
- . 1,000 PiggyPoints with every order
- €20 credit on your first bill
- Plus a chance to win one of 5 lpod Nanos

Click here >>

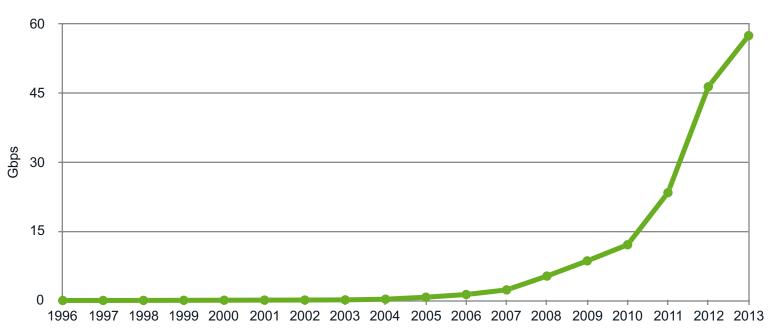




#### **ADSL**



# **Traffic Peaks- 1996 - 2013**

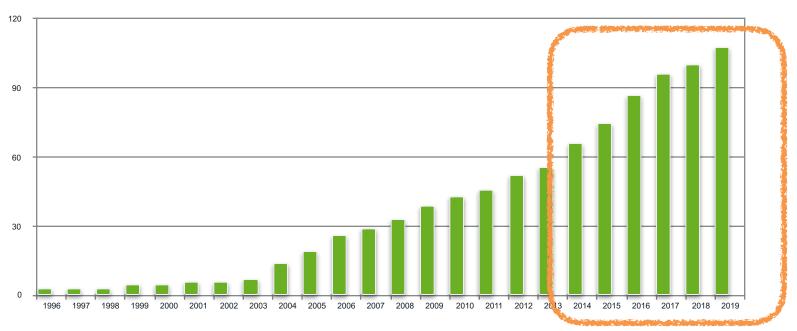






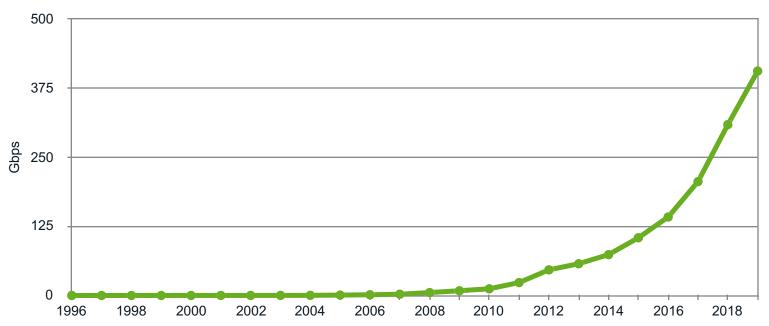
From ADSL to VDSL, Mobile, Cable, FTTx - "NGN"



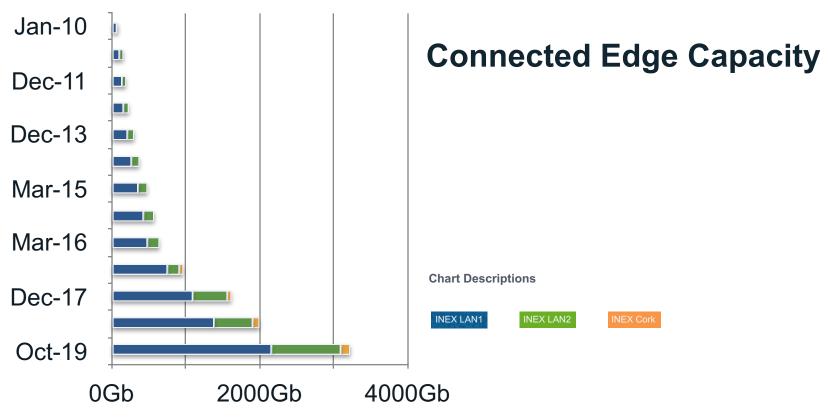




# **Traffic Peaks- 1996 - 2019**











#### **INEX**

- Peering point for the island of Ireland, member owned association, not for profit, founded in 1996
- ~110 members (inc. ~98% of eyeballs)
- >400Gbps of IP data exchanged at peek
- Dual infrastructure, 8 PoPs, own dark fibre
- Opened INEX Cork in 2016
- IXP Manager / Salt / Napalm automation
- Home of IXP Manager



**IXP Manager** is a full stack management system for Internet eXchange Points (IXPs) which includes an administration and customer portal; provides end to end provisioning; and both teaches and implements best practice.

Powering 81 IXPs

**GitHub** 

@ixpmanager

https://github.com/inex/IXP-Manager



**THANK YOU** 

# **Any Questions?**

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https://www.inex.ie/



#### **REFERENCES**

INEX History Project: <a href="https://www.inex.ie/about-us/history/">https://www.inex.ie/about-us/history/</a>

The History of the Irish Internet: <a href="http://internethistory.ie/">http://internethistory.ie/</a>

TechArchives: <a href="https://techarchives.irish/">https://techarchives.irish/</a> and

https://techarchives.irish/how-the-internet-came-to-ireland-1987-97/

