

Global Standards for Hybrid Radio Nick Piggott - Chairperson



Hybrid Radio



Broadcast works for the mass market Low Cost, Ubiquitous, Free

The Internet adds targeted value **Enhanced content, Personalisation and Transactions**









"Just write an app!"









Open Standards for Hybrid Radio



Open Standards













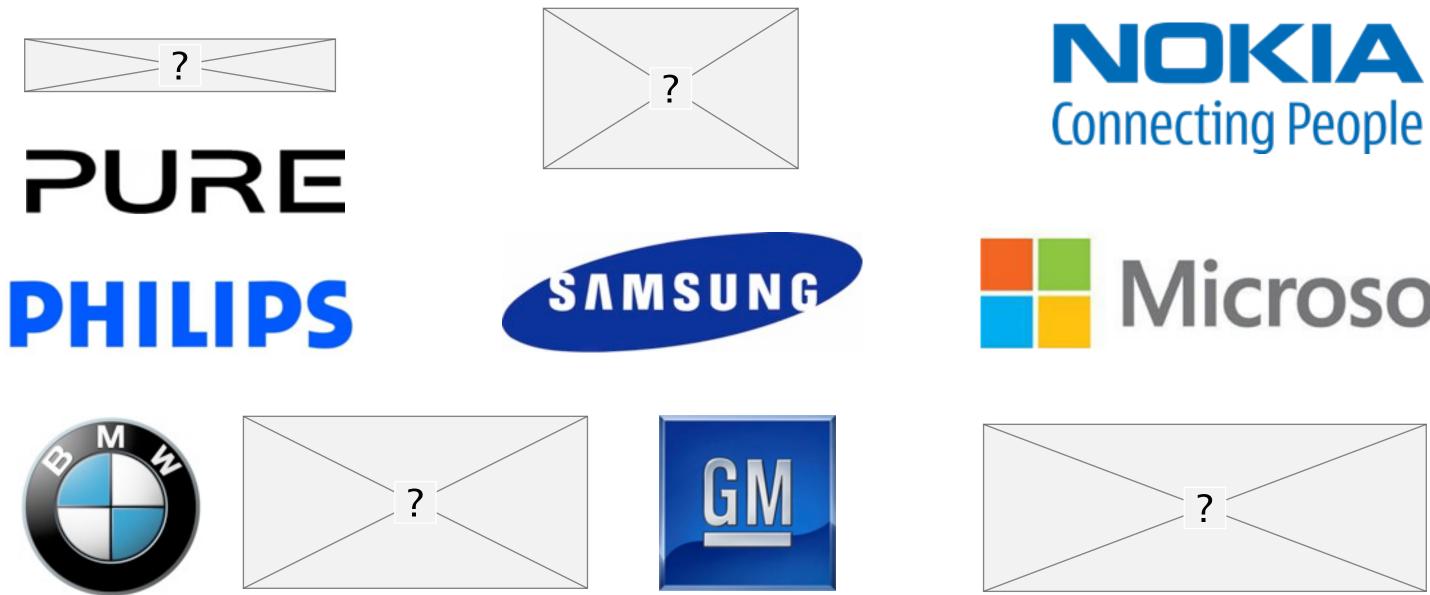


The RadioDNS Approach

- Open standards, open source no patents, no licences
- Simple technology re-purposing what already exists
- One global standard that works with all broadcast radio
- **Open** organisation **trustworthy**, reliable, transparent
- We're a **not-for-profit** operation



Manufacturers



radiodns.org

Microsoft



Our Progress



DNS Lookup

- **95.8 Capital FM** (London) has RDS PI Code c479
- **RadioDNS** format is 09580.c479.gb.fm.radiodns.org
- **Any** DNS will translate this to rdns.thisisglobal.com
- No meta-data insertion to broadcast required
- >99.999% uptime hosted in 3 locations on 2 continents











The future of DIGITAL BROADCASTING

Radio • Mobile TV • Multimedia • Traffic Info





ED SHEERAN -Lego House

On air now The Bassman 1pm-4pm

2

Atri II

and a



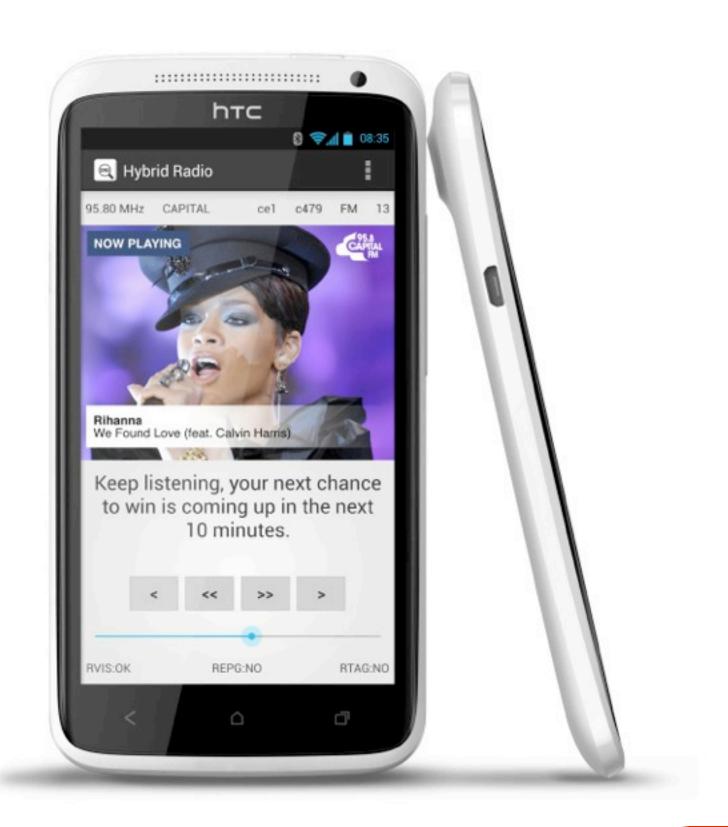


Now: Julia Hartley-Brewer Next: James Whale



FM-IP Switching

Come and see it demonstrated on C921



radiodns.org

@RadioDNS







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Tagged



CITROENIC

my tags

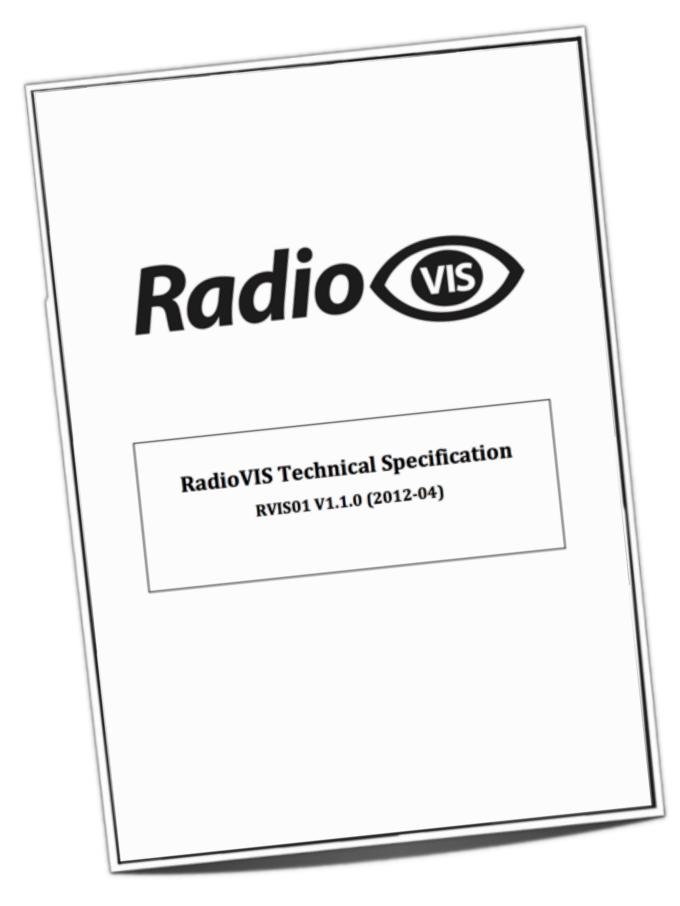






14 pages long Re-uses existing technologies in a new way Builds on **established** Internet Tools

Quick to deploy





Radio, visualised

Simple to produce **visuals**

Supports **multiple resolutions** and screen densities as requested by the client device

Device caching possible to **reduce bandwidth** requirements





Tune by name and logo **Follow across FM/HD & IP**

and station names

Programme information provides detail on individual programmes

Enables **automatic following**

- **Service information** provides logos
- between broadcast and IP streaming



Radio **Interactivity for radio**

"One Touch" Interactivity for radio

mobile in mind

Tag now, view your list of tags **later** (on device, mobile, web)

Time-shifted interactivity

Winner 2012 Radio Academy Technical Innovation Award

Designed strongly with **automotive** /



Common Attributes

Enhance **broadcast radio**

Re-use existing technologies or use widespread Internet technologies

Designed to target the device *directly*

Simple **entry-level** points for **Broadcasters and Manufacturers**

Broadcasters and/or Manufacturers can delegate Service Providers to provide services for them



FRONTIER SILICON :::::

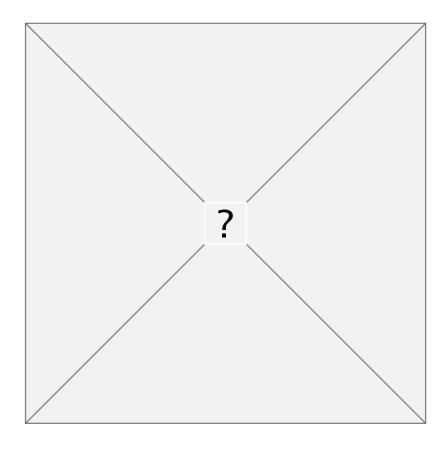




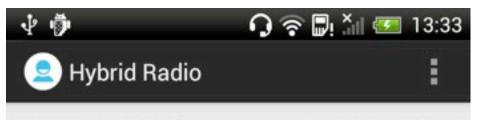
BBC











Radio 1 98.90 MHz

c201 FM





qb

Scott Mills

Scott's here to entertain the nation with live music from All Time...

Scott Mills - Scott's here to entertain the nation with live music from All Time Low at Reading.

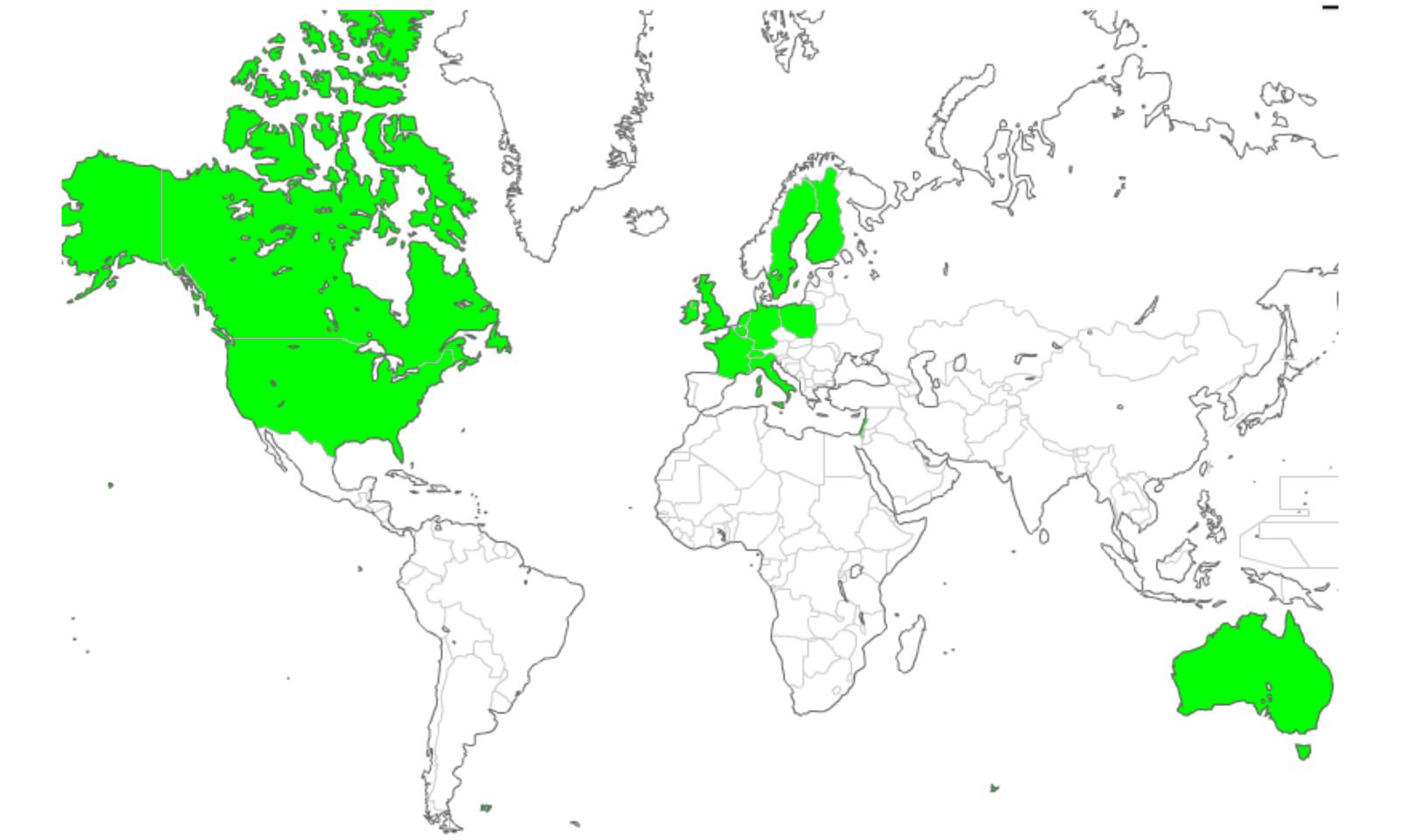






143m population 70m listeners/week

































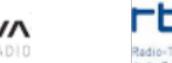




























What Now?

- We would like more US broadcasters involved
- Being a Supporter is Free

- **Members** can attend meetings and vote
- Email us feedback@radiodns.org
- Or visit the website <u>http://radiodns.org</u>







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