EUR(O)RADIO

Brave new digitalistan

And where is Radio ?

Dr. Christian Vogg Head of Radio EBU

ONCE UPON A TIME...

RADIO...



PHONE ...



MAP...



CAMERA...





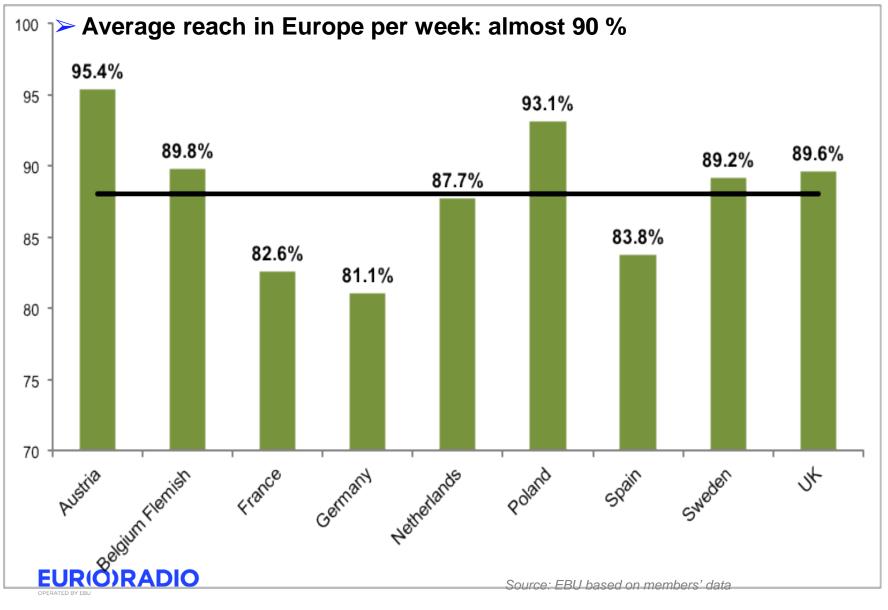


And Radio?

EUR(O)RADIO

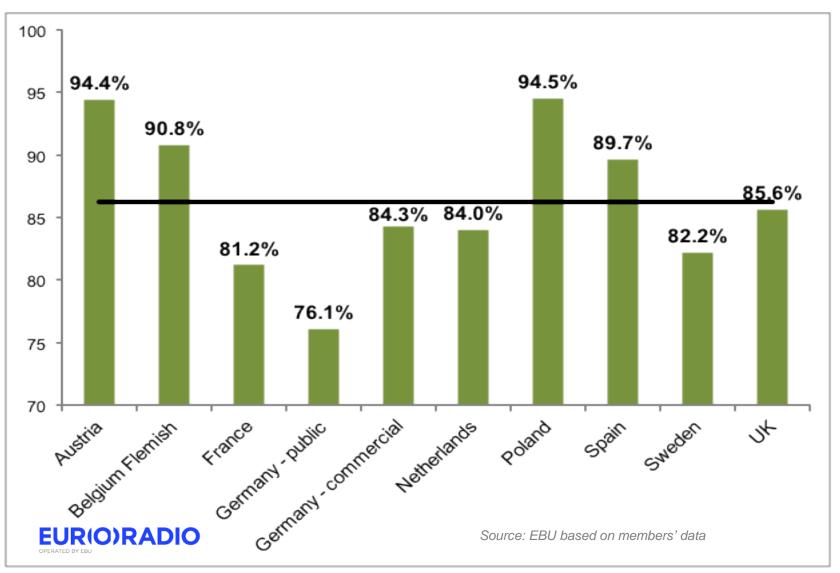


RADIO AUDIENCE



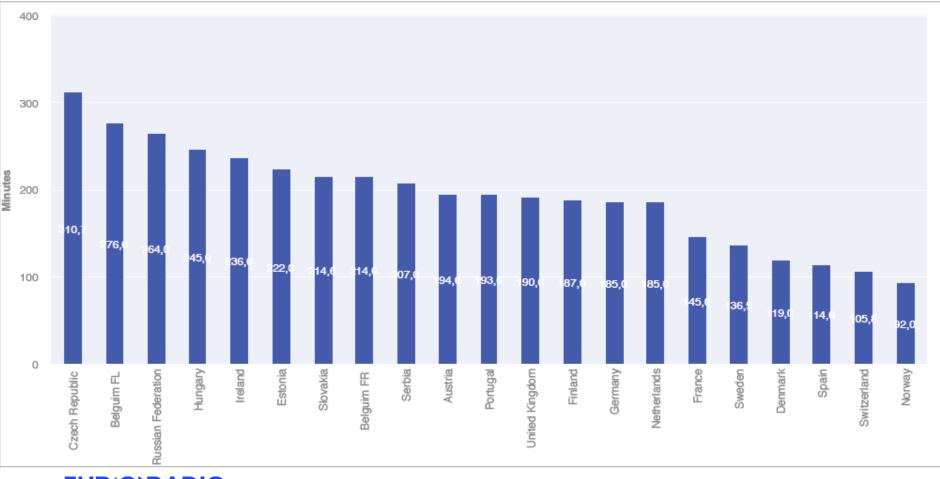
YOUNG AUDIENCE

> Average reach in Europe per Week: 86 %



LISTENING DURATION

> Average in Europe: 3 hours per day



EUR(O)RADIO

Source: EBU based on members' data

To Do: 1. Don't Worry 2. Be Happy



THREE PROBLEMS









PROBLEMS



SOCIALIZA







Edit	Playlists Playin	g		
	Offline playlists 0 pen synt	ding c		
5	The Quietus' Fall Covers 21 songs - by misterluke	>		
5	Miles Davis – The Compl 42 songs	>		
5	The Fall – Imperial Wax 12 songs	>		
5	Life Just Bounces 1 song	>		
5	weekend 43 songs	>		
Camera Obscura – My Ma				
	D Q •••			
DI-	ullata Casada Mara			

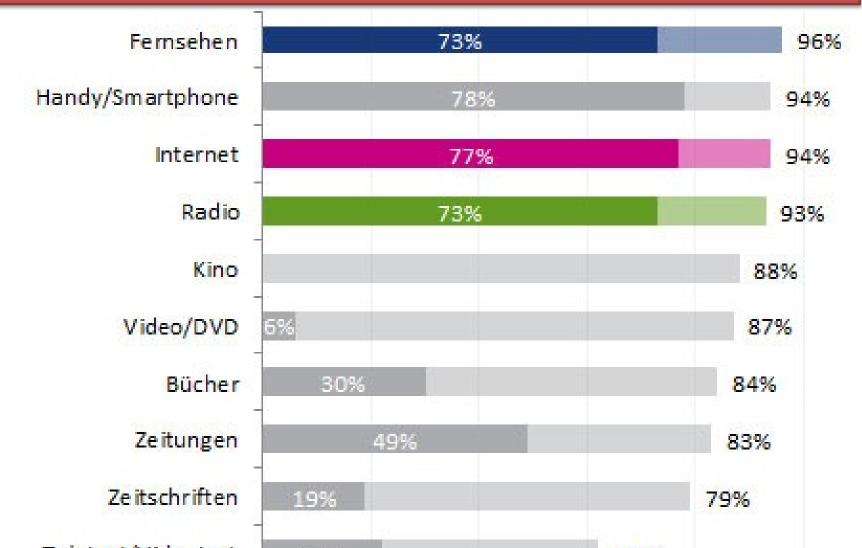
FRAGMENTED WORLD







Media consumption Germany Reach in 2013, age 14 to 49 ys.





THREE Problems



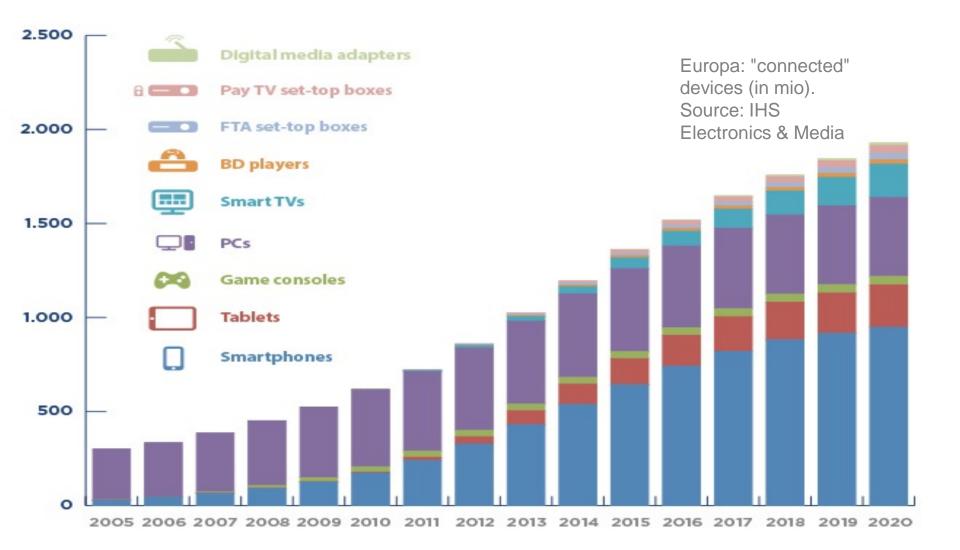








MOBILE DEVICES AND "SECOND SCREEN"



By 2020 there will be around 2 bn connected devices across Europe Around 8 connected devices per broadband households in 2017

SMARTPHONES











SMARTPHONE IS USED FOR...

W. mornings at home W. mornings travelling

W. at home

W. at work / school

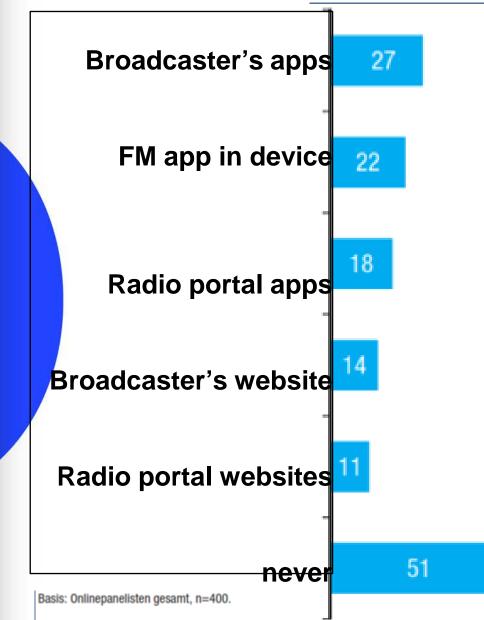
W. travelling

W. evenings at home W. evenings travelling

Saturday

_				
ONE OR	Listen to Musik		Listen to Radio	
	total	20-39 ys.	total	20-39 ys.
at home	7	13	3	4
ravelling	20	26	10	11
at home	4	6	3	6
/ school	10	15	5	6
ravelling	28	49	17	19
at home	5	9	4	6
ravelling	20	26	10	6
Saturday	20	32	16	21
	15	23	10	13
Sunday	47	28	61	53
never				





HOW LISTEN PEOPLE TO RADIO ON THEIR SMARTPHONE?

First approach is via apps of broadcasters, followed by the FM app of the device and apps of aggregating radio portals.

Quelle: ARD-Studie Mobile Mediennutzung 2012.

«On closer inspection it became clear that we are facing in BBC Radio seismic shifts in deep-seated behaviour that will over time fundamentally change our business»

Helen Boaden, Director BBC Radio, March 2014

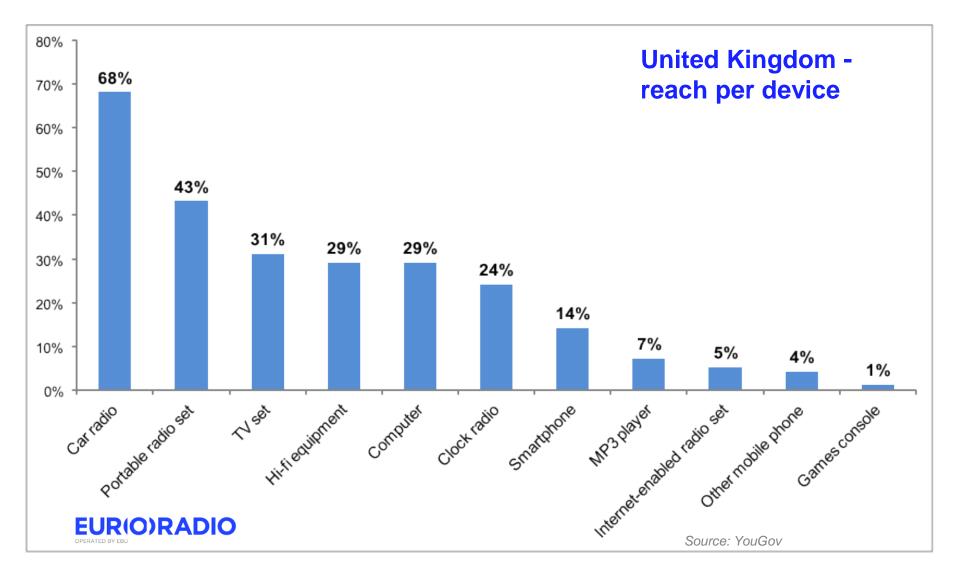


THREE PROBLEMS





LISTEN TO RADIO VIA...?





You are connected to everything you need THE INTERI while you travel in a car personalized for you You ca (auton car to You enter you 4 dynamically r on traffic flov



opped off orstep and rks itself







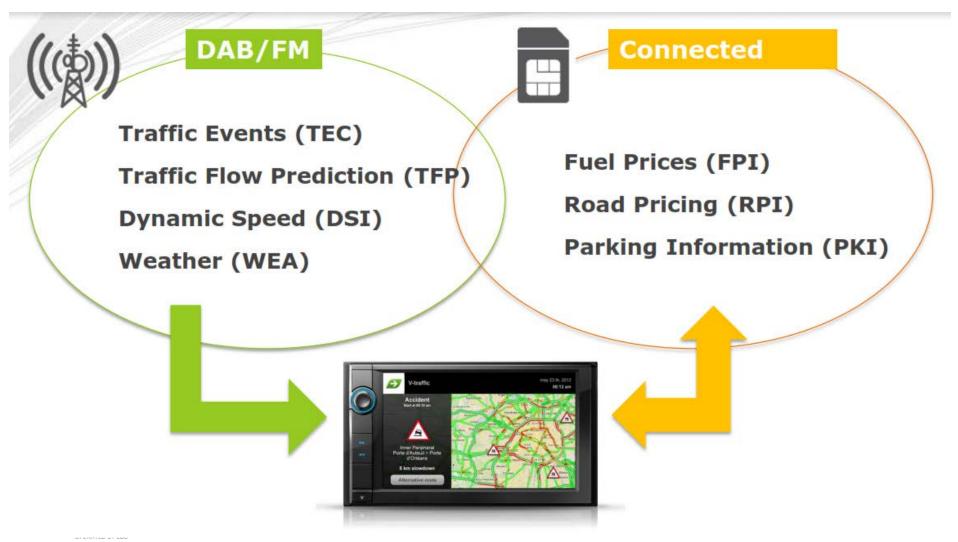








Hybrid Radio: Rundfunk UND Internet



THREE SOLUTIONS



















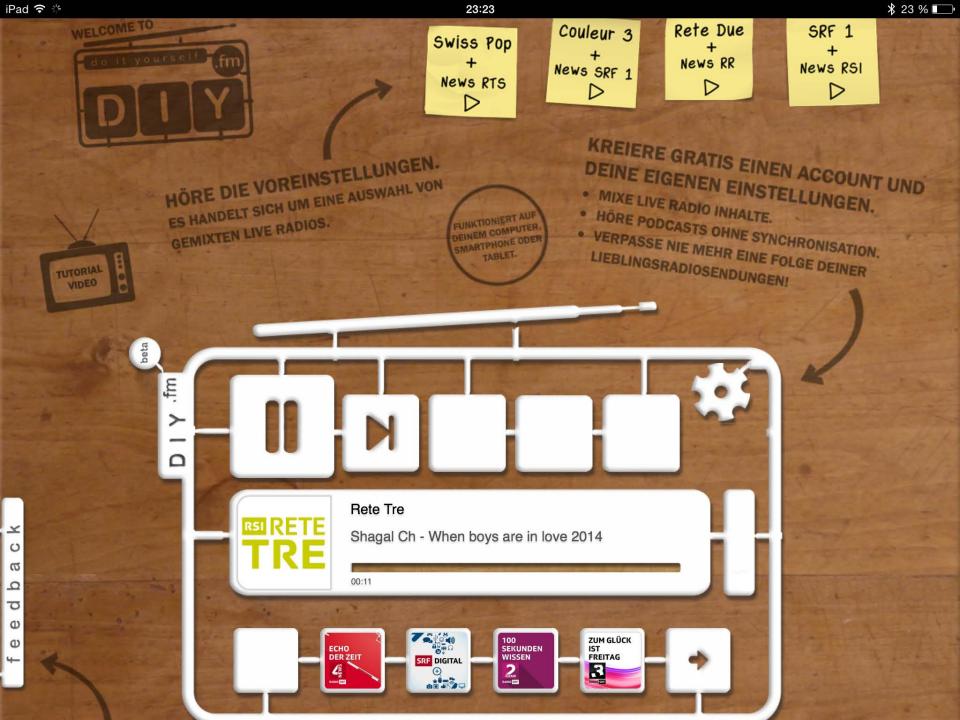


RTÉ RADIO 1

22:18

CHANGE STATION

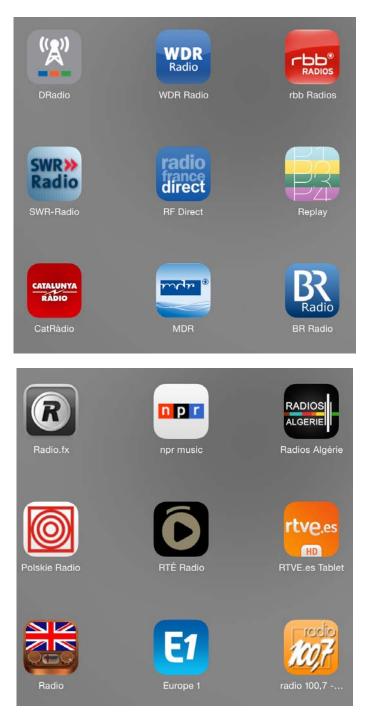


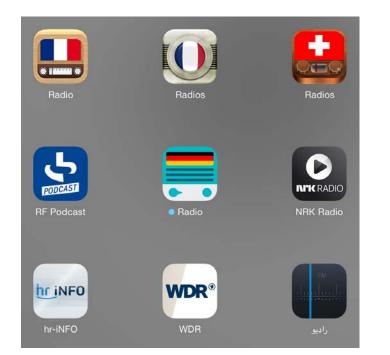


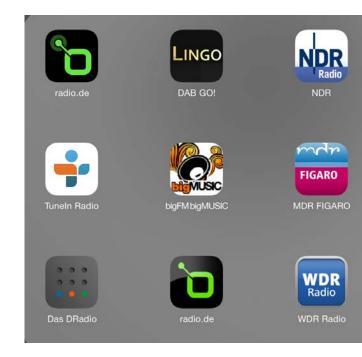


FOLLOW THE AUDIENCE









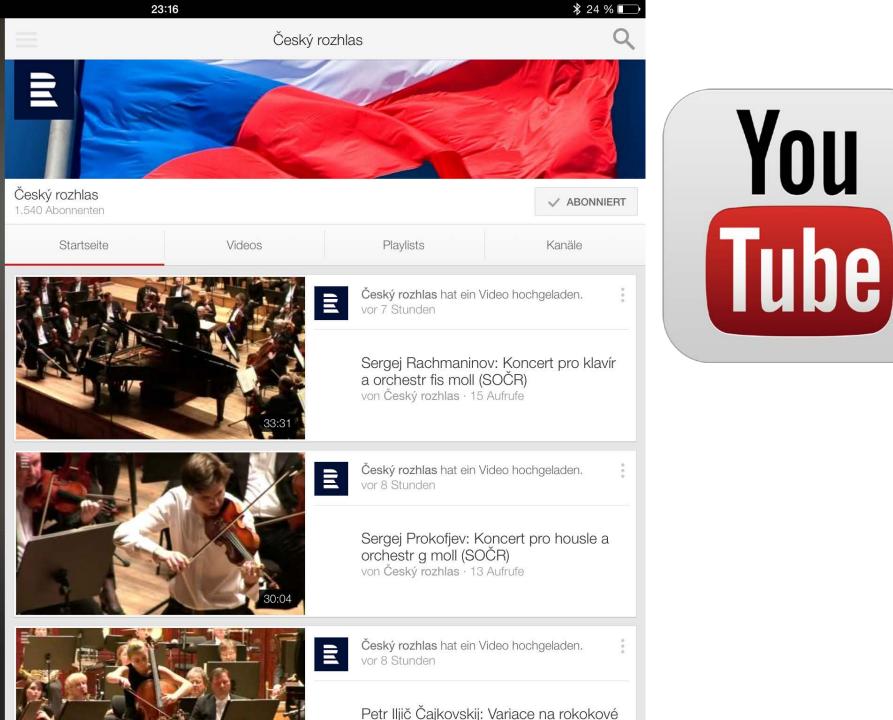


PLANET OF THE APPS



http://www3.ebu.ch/files/live/sites/e bu/files/Knowledge/Publication%20 Library/EURORADIO-Planet_Of_The_Apps-Report_2013.pdf







iPad 穼



30.323 "Gefällt mir"-Angaben · 3.090 sprechen darüber · 7.008 waren hier

Rundfunk & Medienproduktion Officiell Facebooksida för Sveriges Radio. Denna sida är nystartad och under utveckling. För frågor, kontakta gärna yasmine.el_rafie@sverigesradio.se

00:16







★ 14 %

Veranstaltun...

Beitrag verfassen

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BBC Sign in	News	Sport	Weather	Shop	Capital	More	-	Search	Q	
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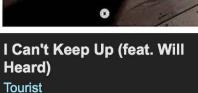
A FILM BY CYDICS HARRY SINGH BALVIR ROPARAL PREET SINGH MUSIC TEDWANT RITTU

Work Of Warriors Diljit Dosanjh

Tanama Joe Driscoll & Sekou Kouyate, Sekou Kouyate & Joe Driscoll



Atomic Bomb William Onyeabor, William **Onyeabor & Hot Chip**











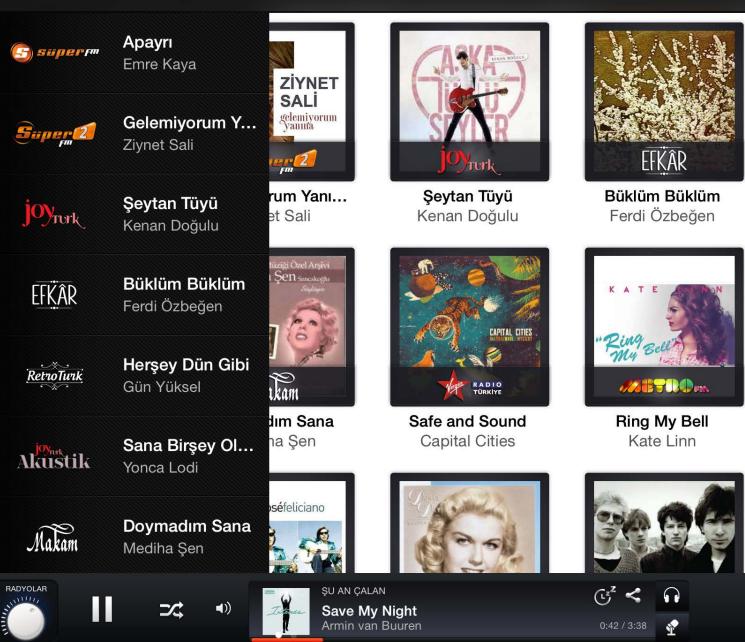


Şu An Çalan

Radyolar

Ō

Karnaval Radyolarında Şu Anda Çalanlar





Herşey Dün Gibi Gün Yüksel



Bump Baby Blue







O

Önceki Şarkılar

Virgin Radio'da Şu An Çalan



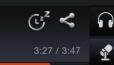
RADYOLAR





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24





iTunes'dan İndirin

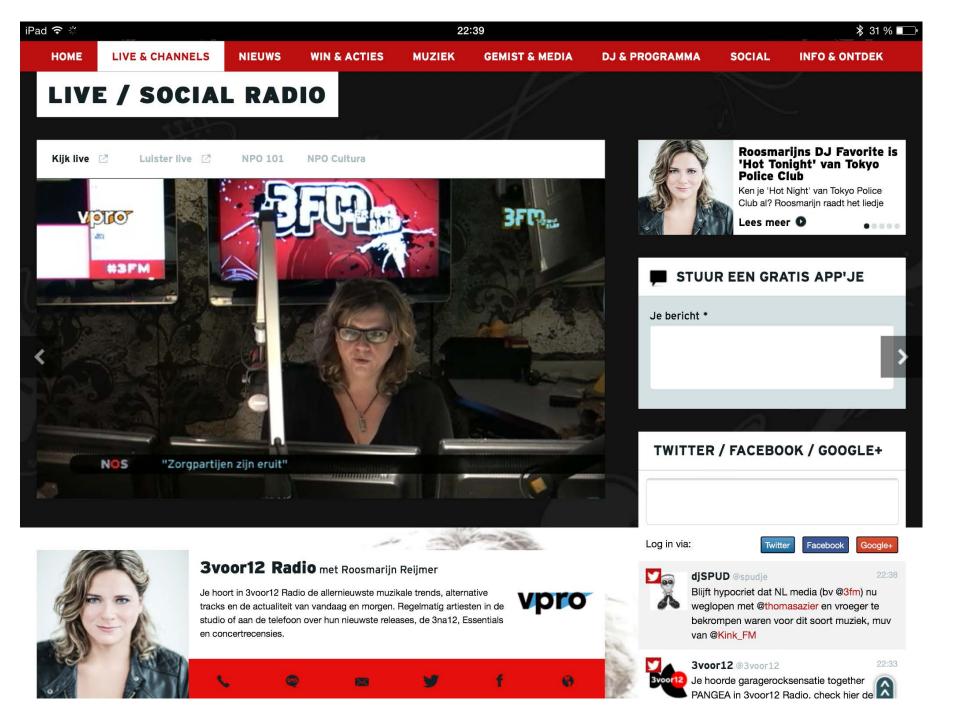
AND: RADIO GOES VISUAL





Graham Dixon, BBC Radio 3

"An important development in the world of radio is visualization. Visual radio must find its place in an emerging media market. The experience of the 2013 Proms showed that a firm commitment by a radio broadcaster to visual radio can bear fruit. The association of video streaming with concerts broadcast on the radio is a significant element for the future."



22:41

⊁ 31 % 🔲

-10

REG

< LIVECENTER

PureVision - Drugstore





l 🖬



batteries bytes bones



On the receiver's side...

Battery life, streaming via 3G: 6 hours, 53 minutes.

Battery life, broadcasting via FM (or DAB): 48 hours, 12 minutes.

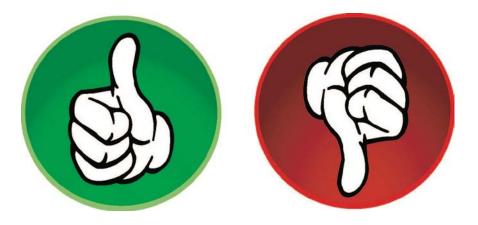
= 7 times longer battery life.



Source: Media UK

What if 50 million people stream...?

THE INTERNET WILL DO IT !?



What will be the price?

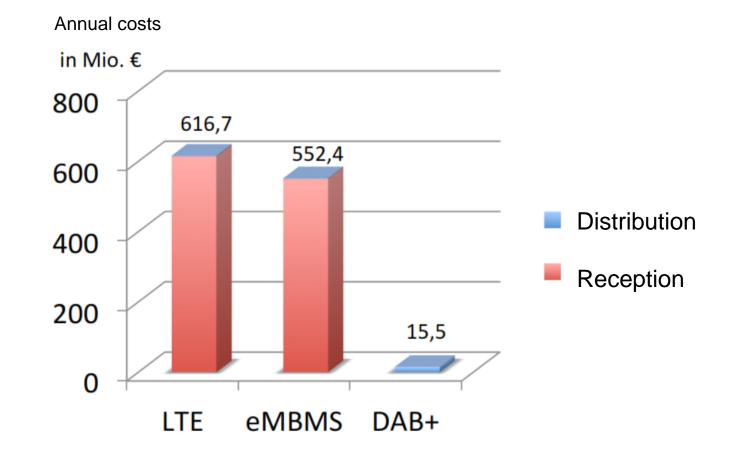


EUR(O)RADIO

Teracom White Paper: Can the cellular networks cope with linear radio broadcasting?

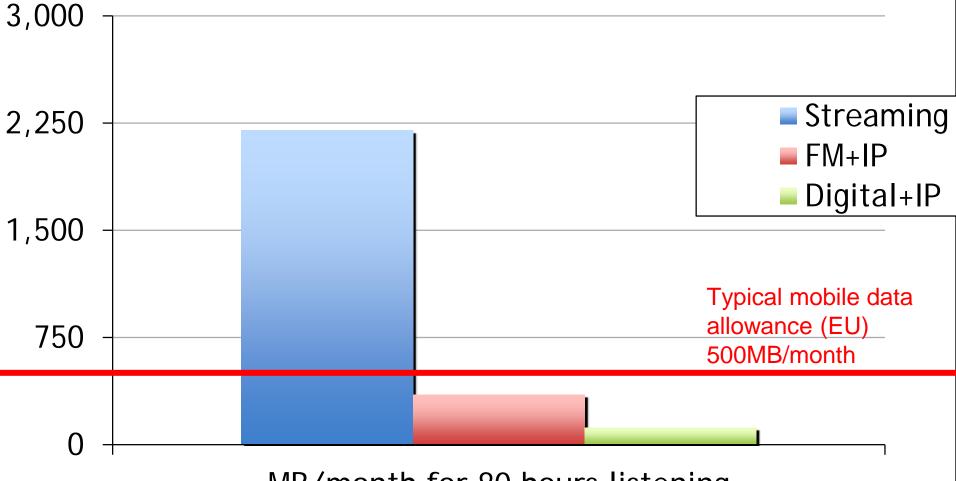
"In order to be considered a realistic alternative, MNOs' prices for mobile data in Sweden must be reduced by 96 per cent."

Who will pay in the end??



Technical University Munich, School of Management, March 2014

Broadcast v. IP Streaming



MB/month for 80 hours listening

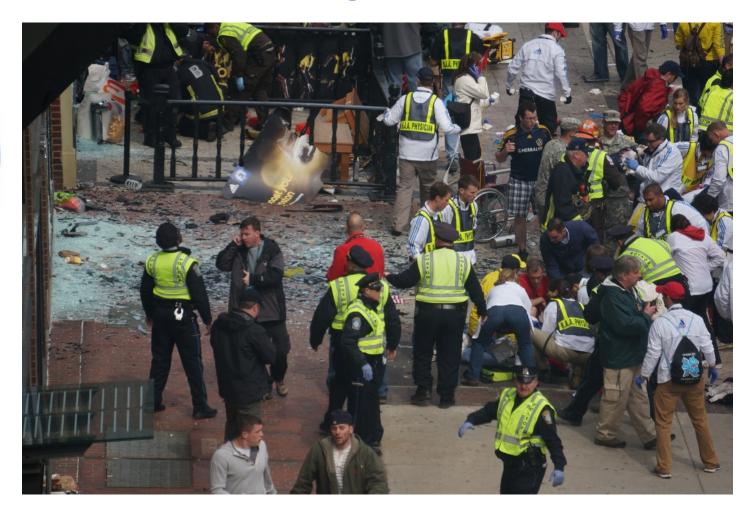






EUR(O)RADIO

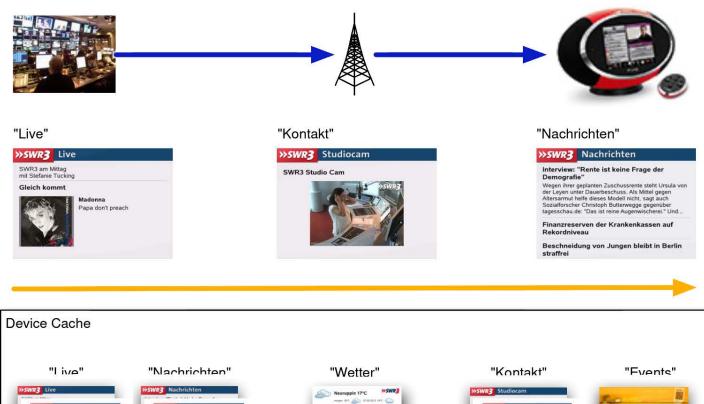
Radio is the preferred distribution network of many governments in case of emergencies.



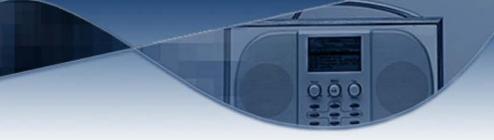
Interactive/Categorised DAB Slideshow

Categorisation

12 /43







Interactive/Categorised DAB Slideshow

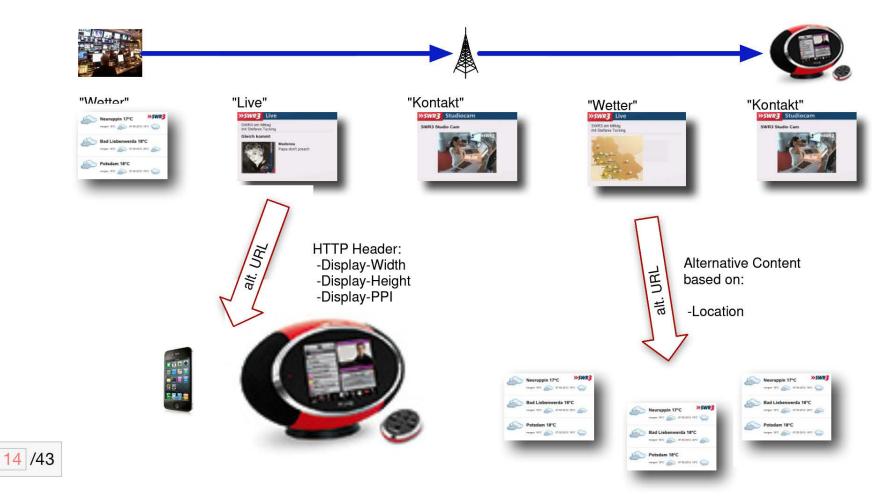
Linking (1): Click through URL:



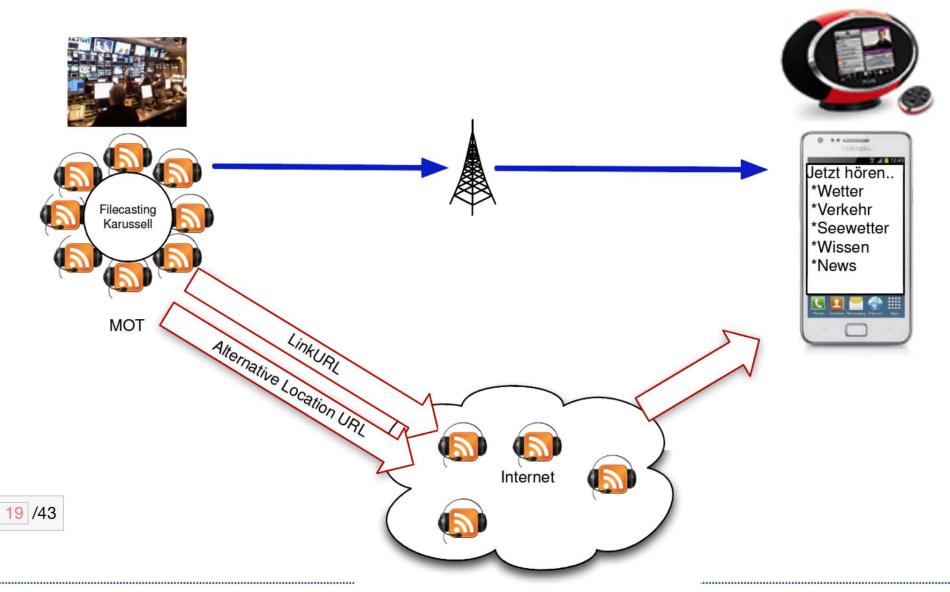


Interactive/Categorised DAB Slideshow

Linkin (2): Alternative URL:



Filecasting

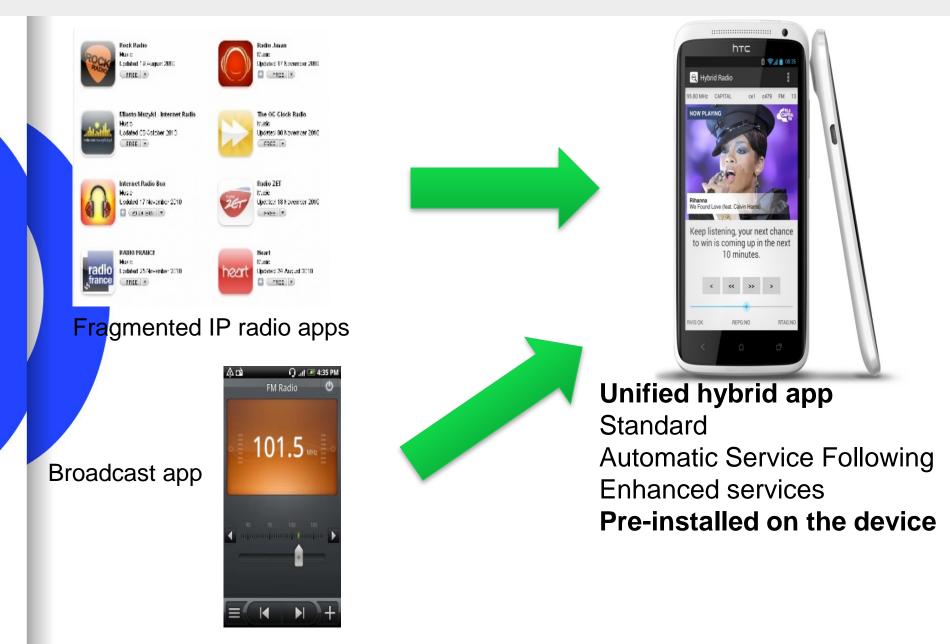


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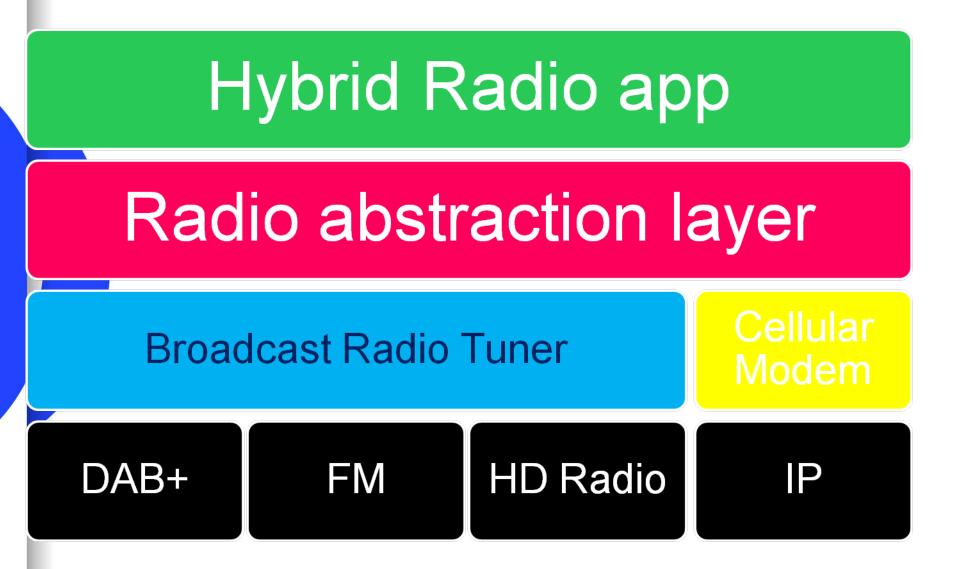
EUR(O)RADIO



Making broadcast look like an app



API: Application Programming Interface



Smart Radio in Smartphones



SMART RADIO INITIATIVE

- 1. Free-to-air: Radio needs a broadcast backbone -FM, DAB, DAB+
- Radio has to be where the users are above all in mobile phones and tablets
- 3. The future of radio lies in using the combination of **broadband and broadcast** not one or the other



10 List of signatories

Arbeitsgemeinschaft der öffentlichrechtlichen Rundfunkanstalten der Bundesrepublik Deutschland (ARD), represented in 2013 by NDR, Hamburg

Arbeitsgemeinschaft Privater Rundfunk (APR), Munich, Germany

British Broadcasting Corporation (BBC), London, United Kingdom

Deutschlandradio, Cologne, Germany

European Broadcasting Union (EBU), Genève, Switzerland

Modern Times Group (MTG AB), Stockholm, Sweden

Norsk Rikskringkasting AS (NRK), Oslo, Norway

Nederlandse Publieke Omroep (NPO), Hilversum, Netherlands

P4 Radio Hele Norge AS, Lillehammer, Norway **ARD**[®]







EBU OPERATING EUROVISION AND EURORADIO











Polskie Radio Spółka Akcyjna, Warsaw, Poland

Radio Télévision Belge Francophone (RTBF), Brussels, Belgium

REGIOCAST GmbH & Co. KG Leipzig, Germany

RTL Belgium SA, Brussels, Belgium

Radiotelevisione Italiana S.p.A. (RAI), Rome, Italy

SKY Radio Group, Naarden, Netherlands

Schweizerische Radio- und Fernsehgesellschaft (SRG SSR), Bern, Switzerland

Sveriges Radio AB (SR), Stockholm, Sweden









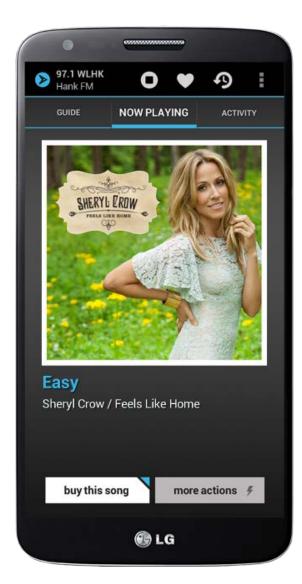




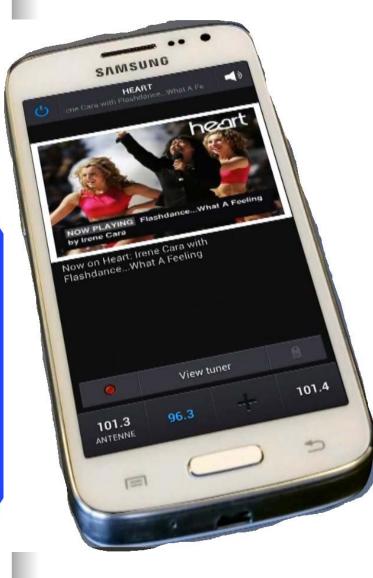


sverigescadio

This is a radio -You also can take calls with it...







Radio DNS

Galaxy Express 2 LTE Galaxy Core Advance Galaxy Grand 2

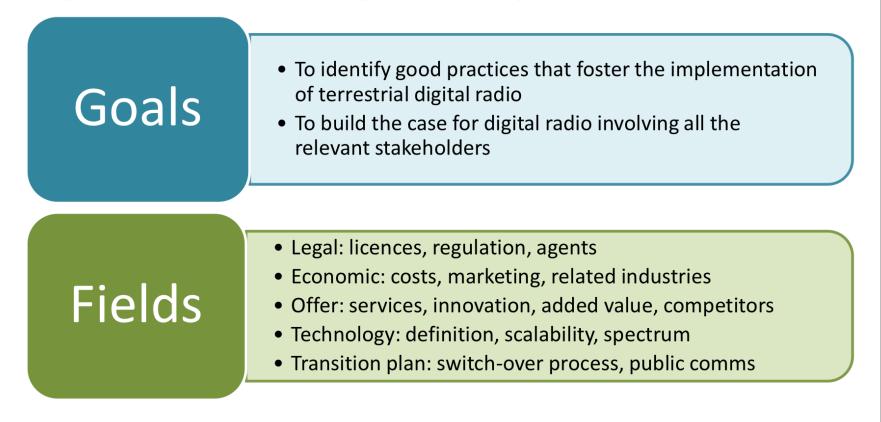
- first smartphones to include RadioDNS Hybrid Radio
- available in Europe via Vodafone
- Upgraded experience of integrated FM radio adds visuals, interaction and automatic switching from FM radio to internet streaming





DIGITAL RADIO TOOLKIT

Key factors for the deployment of digital radio









Your questions, please...

vogg@ebu.ch