

The contribution of rural broadband to resilient rural communities?

Dr Sarah Skerratt,
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Rural Society Research

Presentation outline

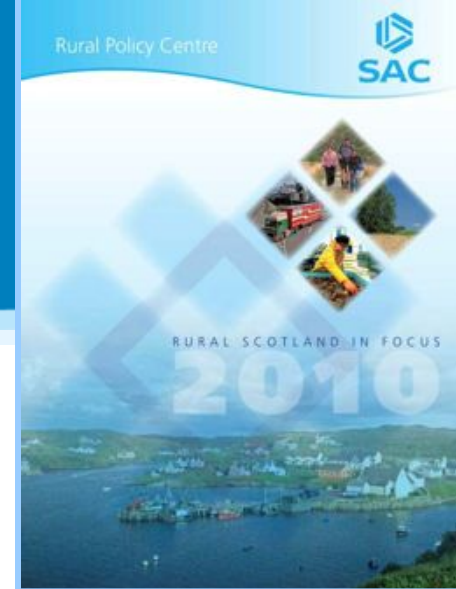


1. *Rural Scotland in Focus Report 2010* key points
2. Perception and experience of digital landscape in rural Scotland
3. Popular response & actions
4. Strategic measures & programmes
5. Research implications – broadband and rural community resilience?

Infrastructure & Services

3. What is the future for Scotland's rural infrastructure and access to services?

Clare Hall and Sarah Skerratt



Key points:

1. Infrastructure and service provision in rural Scotland underpin most activity and well-being. Therefore, there is a need for strategic, cross-sectoral and cross-agency (public, private, voluntary) approaches to infrastructure and service improvement.
2. Online (broadband) and physical (roads, rail, air, sea) infrastructure are equally essential to modern life in rural Scotland. However, high-speed broadband infrastructure is not currently being realised for rural Scotland, and this will continue to have a range of implications, both for businesses and service delivery.
3. The "golden thread" of National Outcomes being achieved through localised solutions (through Single Outcome Agreements) can address challenges of rural infrastructure and service provision, and needs to be specifically assessed.
4. Some impacts of infrastructure improvements such as roads and high-speed broadband may be "desirable" and some "undesirable" for local communities. Impact on community resilience needs to be analysed.

Broadband in rural Scotland?

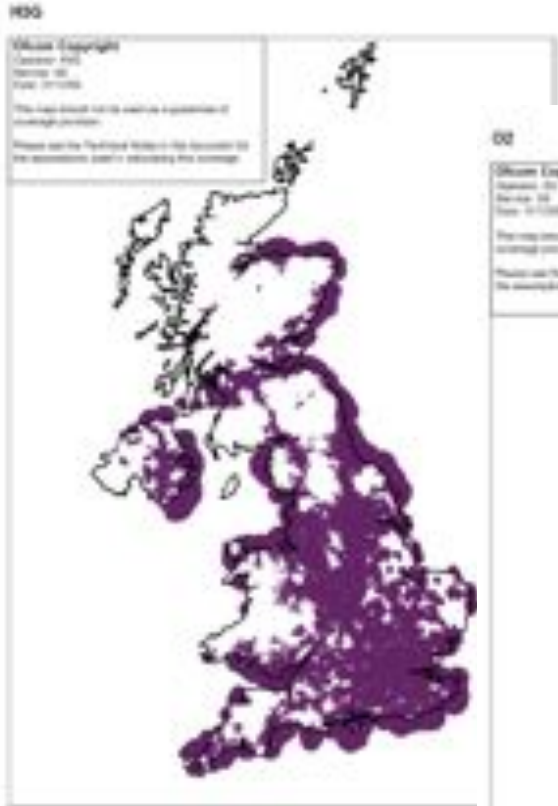


- Data shows households in rural Scotland more likely to have internet at home than urban households.
 - BUT... less likely to have broadband
 - AND... less likely to have HIGHSPEED broadband
 - AND... more likely to experience frustration due to high cost, low speed and contention issues

Perception: BB echoes a “rural deficit” digital landscape...

Publicly-available broadband?





Orange



Digital switchover...



Does this matter?

- CRC states:
 - Two-tier provision
 - 1/3 people working from home live in rural areas
 - BB can be used by elderly to promote inclusion & access to services
 - Could enable entrepreneurs & aid economic recovery
- Businesses & communities



New urban-rural digital divide...



Technology in a Cold Climate: Interconnected Society

John Farrington¹, Peter Edwards¹ & Sarah Skerratt²

1 - RCUK Rural Digital Economy Research Hub, University of Aberdeen
2 - Scottish Agricultural College

Interconnected Society – Benefits and Challenges

Abstract

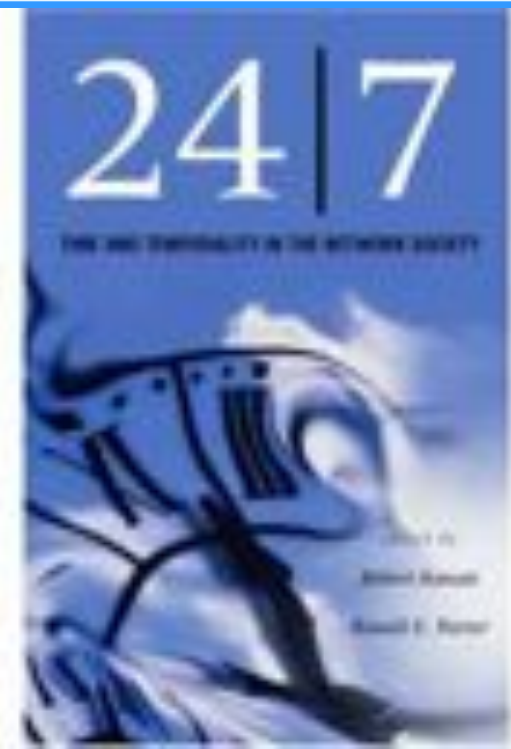
When considering the interconnectedness of society and the roles that technologies may play, commentators and analysts largely fall into two distinct camps – those who believe firmly in the enabling powers of technology to increase our civic and civil connectedness and those who see the threats of technology leading to a dystopia of computer-driven isolated individuals.

Underpinning these shifts towards about, and focus upon, providing broadband) is seen as the essential and thus use, and by inference so need to look "beyond access" (Her environments in which they do (Sk is a need to differentiate access an example of rural areas, and the nature of the population over some

While some recent software advances helped create vast on-line communities, the Web will facilitate much greater connectivity.

Once we bring these dimensions effectively the benefits of such technology in society.

In terms of broadband speeds currently available, Ofcom's 2010 research on Broadband Speeds³² reports that average UK speeds for consumers in urban areas were 5.8 Mbps, whilst the average speed in rural areas was lower at 2.7 Mbps.



Rural broadband: A persistent theme...

Review ordered of isles broadband

A publicly funded roll-out of wireless broadband on the Western Isles is under review to check that it is "fit for purpose", one of its backers has said.

Opponents of Connected Communities (ConCom) have raised concerns about its reliability in the European Parliament.

This week, an Ofcom survey suggested UK broadband users were not getting the speeds they were paying for.

Highlands and Islands Enterprise (HIE) said its review was a result of several factors and ConCom was progressing.

More than 90 schools, council offices, health centres and medical practices, along with 1,400 individuals and businesses, use ConCom.

An HIE spokeswoman said among the factors behind the review was that the roll-out of transmission masts for the service was nearing completion.

Another factor was the release of Lord Carter's Digital Britain report, which looked at broadband speeds, internet regulation and public service broadcasting.



An Ofcom survey found broadband speeds were slow

SEE ALSO
[High speed rural broadband hopes](#)

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Slow broadband 'hampering north'

Broadband speeds in the Highlands could see businesses lose out in the digital global economy, Beveress Chamber of Commerce has warned.

It said the internet was too slow for firms to trade effectively online.

Chief executive Stewart Nicol is to meet Communications regulator Ofcom to pass on local concerns.

He said: "What's clear is that there is a huge gap between what broadband providers promise and what is actually being delivered on the ground."

With an increasing reliance on doing business online, the chamber said many Highland firms believed slow broadband speeds and the lack of effective satellite broadband in more remote areas were hampering business growth.

Under review

Mr Nicol added: "Some of our own members say there are times of day when they've simply stopped sending large files because the connection cannot cope with it.

"Speed is key and this is what businesses in this region require to compete effectively in the global economy."

Last month, a publicly funded roll-out of wireless broadband on the Western Isles was under review to check that it was "fit for purpose".

Mr Nicol said some businesses had stopped sending large files

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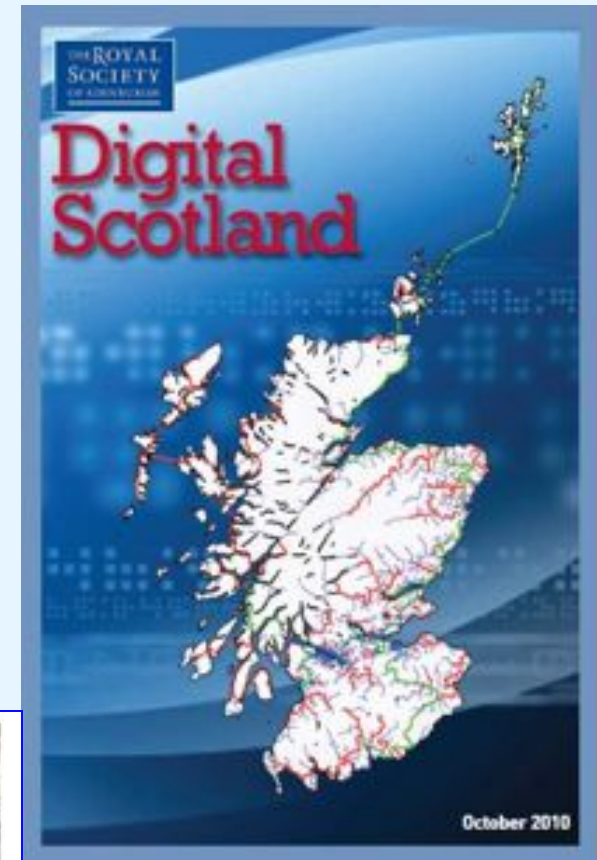
On This Day

Editors' Blog

- From “exclusion” to “reinvigoration”
 - “Social exclusion” definition needs to include “digital exclusion”
 - Address geographic exclusion: coordinated national spine
- Innovation:



Tegola: an experimental network delivering 20 Mb/s to one of the most remote parts of Scotland.



Campaigns for action

The Final Third First Campaign

March 21, 2010  FinalThirdFirst

 1 comment



The Final Third First Campaign has come into existence because there are thousands of people in the UK who do not have a functional broadband connection at present (in "notspots" and because of technical issues with the existing telephone network), and approximately a third of the country whose future connectivity requirements will not be met by the market by 2017.

This 30+% of the UK who will not get a high speed connection capable of delivering next generation internet, as well as the many other services and applications that will be possible, is known as the "Final Third", a term coined in the [Digital Britain Report \(PDF\)](#).

The market includes commercial operators, such as BT, Virgin, Nettle, H2O, as well as municipal players who are using public funds to create regional projects which will deliver Next Generation Access through public-

private initiatives.

At present, these commercial players cannot find a business case for connecting the Final Third, with the most common arguments being that where fibre needs to be laid in rural areas, where the number of potential connections are less than in urban areas, the economics do not stack up for this to be profitable for the telcos.

However, there is considerable evidence from other countries that it is possible to make such a business case, particularly where the communities get involved. It is also well-known what the social and economic impacts of future-proofed connections are, and how important it is that every citizen and business has access to affordable, universal broadband.

As we move towards a much more "online world", the need for everyone to have access to future-proofed connectivity increases by the day.

What can you do?

- [Support the Campaign](#)
- [Promote the campaign and our principles](#)
- [Talk to your MP and election candidates about broadband as an issue for you](#)
- [Involve your Parish Council, District Council, County Council and Local Strategic Partnership in the campaign](#)
- [Help us to create the necessary resources for a nationwide, cohesive resolution to solve this problem](#)

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Rural Broadband Help & Advice[Home](#)[Benefits of broadband](#)[Getting Rural Broadband](#)[About Us](#)[Register](#)[News & Press](#)

The Rural Broadband Partnership

Fast becoming the 'new utility', Broadband is as crucial to our economy, prosperity and life chances as steam was to the first Industrial Revolution.

Despite this, many rural communities remain on the wrong side of the digital divide. If you live or work within one of these areas you will know only too well the frustrations this will cause.

This website aims to provide information on the **alternative broadband delivery options** available and to assist those determined, like us, to get broadband into rural communities. You can find many examples of communities that now have high-quality, professional and reliable broadband services in areas beyond the reach of traditional ADSL.

Go straight to:

- [Start Your Rural Broadband Campaign](#)
- [Find a Project Near You](#)
- [The RBP Forums](#)

Public Survey[CLICK TO REGISTER YOUR INTEREST](#)

Find a Community Broadband Project near you

[East Midlands](#)[East of England](#)[North East](#)[North West](#)[Northern Ireland](#)[Scotland](#)[South East](#)[South West](#)[Wales](#)[West Midlands](#)[Yorkshire and The Humber](#)

Twitter

04/2011-01-16

In Birmingham for the NextGen Broadband conference. Presenting RBP this afternoon. 20/10-11-22

Actions at community level...

Broadband in Scotland



Click on the links below browse community broadband services and campaigns by region or county.

You can also click on 'Suppliers' to see which suppliers offer service in Scotland.

Remember, with your support rural broadband can become a reality: register now to receive updates, or list your campaign or services on this site.

Eastern Scotland

Including: [Angus](#) - [Dumfriesshire](#) - [Dundee City](#) - [East Lothian](#) - [Edinburgh City](#) - [Fife](#) - [Fife](#) - [Highland](#) - [Perth & Kinross](#) - [Scottish Borders](#) - [Shetland](#) - [West Lothian](#)

Highlands and Islands

Including: [Argyll & Bute](#) - [Highland](#) - [Moray](#) - [Orkney Islands](#) - [Shetland Islands](#)

North Eastern Scotland

Including: [Aberdeen City](#) - [Aberdeenshire](#) - [Moray](#)

South Western Scotland

Including: [Dumfries & Galloway](#) - [East Ayrshire](#) - [East Dunbartonshire](#) - [East Renfrewshire](#) - [Glasgow City](#) - [Highland](#) - [North Ayrshire](#) - [North Lanarkshire](#) - [Renfrewshire](#) - [South Ayrshire](#) - [South Lanarkshire](#) - [West Dunbartonshire](#)

Start your campaign today!

Getting Started



Pop-upWireless

Pop-up Wireless began in 2000 when entrepreneur Malcolm Clark, a resident in a small village west of Glasgow called Rosneath, wanted to get broadband. Located too far from the telephone exchange, Malcolm searched for options. One option was ISDN, but was slow and expensive, another option was satellite communication. At almost £30 per month and a piddly 512kb (1/2 meg) speed, Malcolm sought a better alternative.

That alternative led Malcolm to installing a communication mast, renewable energy sources to power it, and a large broadband backbone so that he could have 8MB broadband, but also offer it to neighbours.

Pop-up Wireless has grown since then and we seek to deliver fast, reliable and affordable broadband to people and places that can't get, or have slow broadband. Our service is expanding all the time so please register your interest, we'll likely be in your area very soon.

GOING GREEN

Providing services needn't cost the earth. We seek to use existing masts, and where we install our own, we use renewable energies, namely solar and wind power.

Our modules only use 10watts of power, minimising the cost to you in these times of constant increases in power costs.



UPGRADING

We look at technology and we endeavour to provide it by making equipment.

If you need more up to date, we'll look at you with some options.

[CONTACT US](#)

Pop-upWireless

Entering
High Speed
Broadband



8MB Broadband £24.99

UNLIMITED DOWNLOADS AND FASTER CONNECTION SPEEDS

For only £24.99 per month, we can bring you ultra-fast broadband. Because we don't use telephone lines and instead use dedicated high-speed wireless (not mobile telecoms), we can deliver fast connection speeds with unlimited downloads without the need for a telephone line or for you to be within a certain radius of a telephone exchange.

[READ MORE](#)

WIRELESS?

Is this the same as 3G from my mobile operator?

In short, no. Our transmitters and receivers use 5.4GHz technology which allows us to deliver very fast and reliable broadband without download limits.

Click below to read more about how we install wireless in your home.

[READ MORE](#)



WHAT ELSE?

• VOICE OVER IP

• VIRUS PROTECTION

• 6 MMS

• ONLINE BACKUP FOR PREVIOUS FILES

As well as giving you fast, unlimited broadband, we also offer virus protection, e-mail for you and your family, and online backup/storage.

[READ MORE](#)

SIGN ME UP

Our coverage is expanding all the time. To find out if you can get wireless broadband with Pop-up Wireless, please call us on 07812 357 068 or use our contact form. Even if we are not in your area, we'll do our best to bring our services to you once you register your interest with us.

[REGISTER](#)



Live Local... ...Connect Global

> known problems. Please report all issues to the Helpdesk on 0845 8389010.

ROADBAND Relay Sites



NETWORK News

WEBMAIL

HEBRIDES.NET - Bringing Broadband to the Western Isles

Welcome to the Hebrides.net web portal - the gateway to the Connected Communities broadband network for business and residential customers.

Connected Communities Broadband is an innovative project bringing broadband services to rural communities throughout the Western Isles.

The network, project led by Highlands & Islands Enterprise, is one of the first and the largest in the UK to incorporate the recently licensed 5.8GHz radio frequency bands. The pilot has been funded through the DTI sponsored Broadband Fund, HIE Inise Gali (Western Isles Enterprise), Comhairle nan Eilean Siar and match funding from the Highlands & Islands Special Transitional Program.

The project partners believe that broadband is essential to the economic development of the Western Isles to allow businesses in the most rural communities to compete in world markets. Due to the wide distribution of the population across a number of islands, more traditional methods of providing broadband are impractical and would leave those at great distances from their exchanges without a service. This is why high performance wireless is being used to provide an ever increasing number of communities with a distributed broadband service across the islands.

The Western Isles 'Connected Communities' project is delivering services to locations from Ness in the north of Lewis to Castlebay in Barra in the south and at similar costs to broadband services in other parts of the Highlands & Islands.

Follow the navigation links for service details and ordering information.



[Click Map to Zoom](#)



SCOTTISH EXECUTIVE



Scottish Executive



HIE Inise Gali



Broadband in the Glens

Angus Broadband Co-operative Limited is a community owned co-op actively pursuing a solution to bringing broadband and the developments that could accompany it to the Glens

Angus Broadband Co-operative Limited



Angus broadband Co-operative Limited has been formed as a community owned co-op to pursue the the provision of broadband service throughout the Angus Glens. Future updates on progress will be available on their website at: www.angusbroadband.coop



Angus Broadband Co-operative Limited

... bringing 21st century communication to the Glens

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Some questions and answers:

- [Why not wait for BT / Virgin Media to provide fast broadband to the Glens?](#)
- [What area do your plans cover?](#)
- [Why is Kirriemuir not in your plan?](#)
- [How much will it cost me?](#)
- [Where will the funding come from?](#)
- [Why fibre to the home?](#)
- [Why set up as a Co-operative?](#)
- [How do I find out more?](#)
- [How can I help?](#)

Why not wait for BT / Virgin Media to provide fast broadband to the Glens?

BT have promised high speed broadband to cover two thirds of the UK by 2015. They have admitted that only the central belt in Scotland will benefit from its current plans and have given no projected date or even a commitment to covering the final third. The Angus Glens are very definitely in the "final third" and are unlikely to attract investment from any existing commercial broadband provider. If we are not to be left progressively further behind then we need to take action ourselves!

What area do your plans cover?



Community Network

High Speed broadband for as little as £10.99 per month



Normal domestic use



Internet access via your local Community Network



Unlimited download capacity*

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- David Carter - head of Manchester Digital "combination of Fibre to Home & whizzy high-speed wireless is the answer". Who said I told you so? 2010-11-22
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installation of a small roof-top antenna
connection to your portabled
service speed confirmation test before we leave

Home Wireless Installation

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Ideal for laptops / multiple computers

Everything included in basic, plus:
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surf the web from anywhere in your house or garden



Speak Up for Rural Scotland: Analysis of Consultation Responses RF 17/2011

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In 2009, the Cabinet Secretary for Rural Affairs and the Environment asked the Rural Development Council for specific advice on how rural Scotland could best contribute to the creation of a more successful country through sustainable economic growth. The consultation document 'Speak Up for Rural Scotland' set out the Council's response. The report focused on 7 overarching themes and suggested 37 Step Changes designed to generate innovation and activity and to stimulate individuals and enterprises to work together to bring about a prosperous rural Scotland.

A total of 131 written responses to the consultation were received, comprising 83 responses from organisations and 48 from individuals. George Street Research was commissioned to undertake analysis of the consultation responses and notes from 9 consultation events. Key findings from the analysis are summarised below.

Main Findings

- The clear priority amongst the 37 Step Changes is access to high-speed broadband in all of rural Scotland. This was seen by respondents as a fundamental requirement to allow rural businesses to function effectively and be competitive, as well as offering potential benefits for community and social wellbeing.
- Respondents felt that a greater focus is required on: issues related to transport and/or infrastructure; protecting the environment; entrepreneurial skills; education and training; particular sectors such as tourism, country sports and the creative industries; and the importance of community land ownership.
- In terms of implementation of the Step Changes, respondents highlighted the importance of engaging with local communities and/or local delivery of the Step Changes. Partnership working was also emphasised, as was the need for investment/ availability of funding.
- Many respondents indicated their willingness to contribute to their local community/economy, local prosperity. They outlined how they were working together with other communities and organisations to grow their community and economy.
- Other themes to emerge related to the need for capacity building; evidence gathering; and the sharing of good practice. Encouraging people, especially young people, to remain in or return to rural areas was also highlighted as an important area for consideration.

You are here: [Publications](#) > [2011](#) > [January](#) > [Speak up for rural Scotland RF 17/2011](#) > [Part 1](#)

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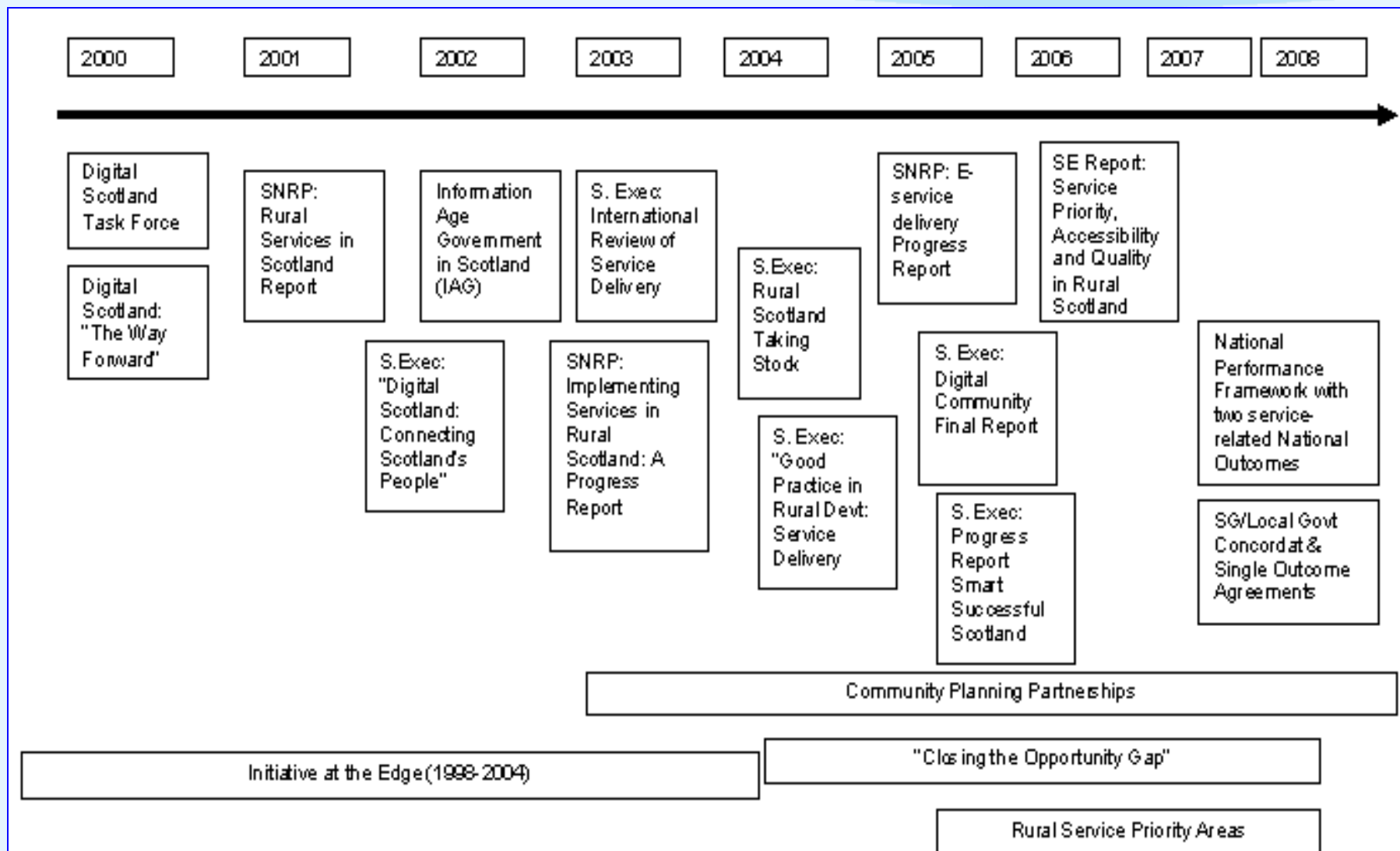
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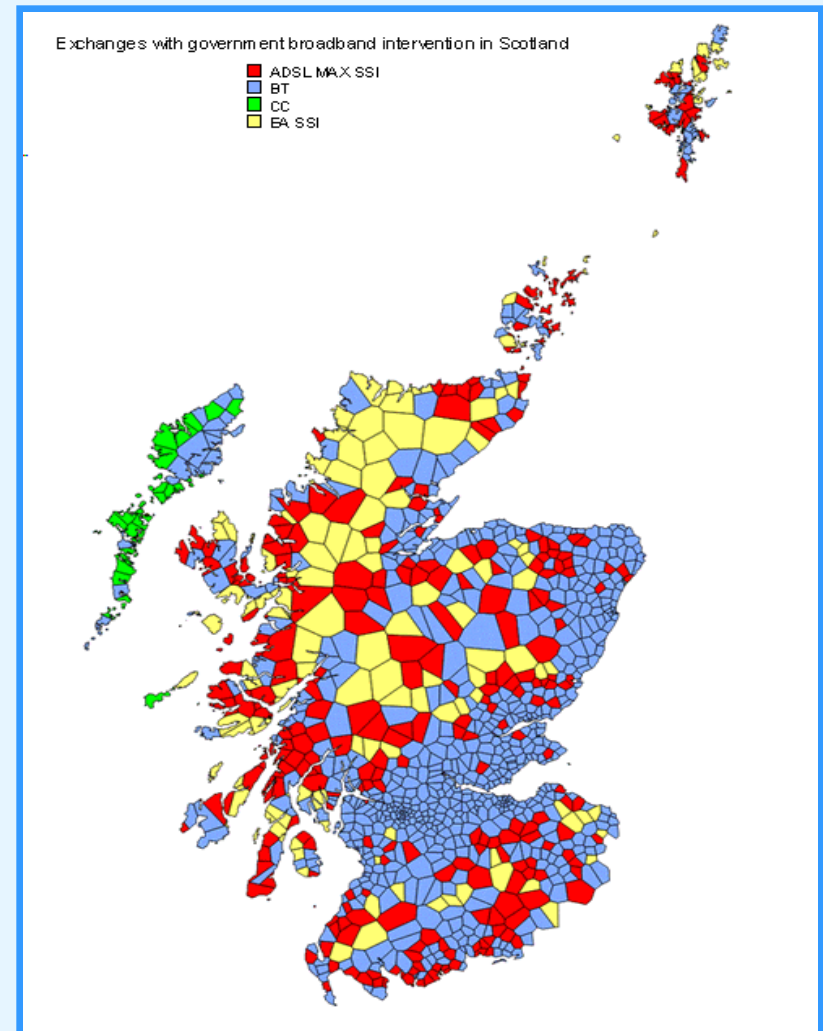
Strategic/Policy Responses to access provision?

Policy timeline



Building on existing investment

- Map: as a result of initiatives (pp.36-37)
- 2008-2009:
“Broadband Reach”
- 2.8MEuro funding under European Economic Recovery Package - new or enhanced provision



Recent SG responses:



- “A Digital Ambition for Scotland” (Oct 2010)
- “That next generation broadband (30Mb) will be available to all by 2020 and significant progress will be made by 2015”.

A Digital Ambition for Scotland

The use of digital technology is central to fulfilling Scotland's potential as a nation and helping to ensure that we are well positioned to emerge from the economic downturn, with opportunities for all of our people to flourish in order to promote sustainable economic growth.

By harnessing advances in this area we can help:

- (1) Give our young people the best start in life and prepare them for success in a 21st Century marketplace,
- (2) Boost people's job opportunities,
- (3) Ensure that Scottish businesses can benefit from a first-rate broadband infrastructure that allows them to thrive in markets both at home and abroad,
- (4) Showcase and promote our country's rich cultural assets, and
- (5) Generate savings to the national purse by promoting the take-up of public services online.

Our ambition for Scotland's digital future is:

- That next generation broadband will be available to all by 2020, and significant progress will be made by 2015; and
- That the rate of broadband uptake by people in Scotland should be at or above the UK average by 2013, and should be highest among the UK nations by 2015.

Achieving this ambition is not just for the Scottish Government, it will require co-ordinated action and support from partners across Scotland – the enterprise agencies, local government, universities, colleges, cultural bodies, the private sector, communities, individuals, MSPs, the UK Government and Ofcom. The ambition underpins a range of wider aspirations to realise all of the benefits that digital technology can bring to Scotland's economy, public services and citizens.

The annex to this statement summarises the main steps which we are taking to realise those benefits.

We will follow this with a more detailed strategy and action plan in the next three months.

Fiona Hyslop, MSP, Minister for Culture and External Affairs, will be the Minister responsible for co-ordinating the Scottish Government's digital ambition. The Cabinet Secretary for Finance and Sustainable Growth, the Cabinet Secretary for Lifelong Learning and the Minister for Enterprise, Energy and Tourism will have responsibility for driving forward the digital agenda in their areas, including public service reform, the GLOW network and broadband infrastructure. Our wider focus will be led by Fiona Hyslop. This reflects the range of portfolio areas affected by digital technology and demonstrates a truly joined up government approach.

The importance of this issue is shown by the range of organisations which have recently contributed ideas for how Scotland should take advantage of

Recent SG responses:

Action 5.2: We will continue to build a deeper understanding of the costs of rolling-out next generation broadband across Scotland

Action 5.6: We will work with Pathfinder partners to design and implement a pilot project by March 2012 to explore how Pathfinder might be utilised to deliver next generation broadband to rural communities

Action 5.9: We will work with Scottish Water, its partners, and other utilities providers to understand opportunities for infrastructure sharing and how this might help drive roll-out of broadband in rural areas by September 2011

Action 5.10: We will explore how we can further support rural communities to develop sustainable models for delivery of broadband infrastructure and services. We will look at areas where we have already made significant impact in communities e.g. renewables, and outline how we plan to take this forward by July 2011

Scotland's Digital Future A Strategy for Scotland



Recent SG responses:



- Response to SU4RS (March 2011):
 - Examine extent of commercial case
 - Bottom-up approach incorporating community models
 - Wider community use of public sector BB infrastructure (Pathfinder projects)
 - “Maximise income” from UK Strategy (Dec 2010)



Rural Broadband Summit (Mch 2011)



SG is “committed to supporting rural life, rural communities and the rural economy. The provision of broadband is key to unlocking the next stage of Scotland's development and ensuring that everyone has access to the opportunities technology brings... The consultation responses showed an overwhelming consensus that access to high speed broadband is central to the future development of rural areas”

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News Release



Funding for rural broadband

[Listen](#)

17/12/2010

Funding to improve broadband coverage in rural areas has been announced.

Five Local Action Groups - in Forth Valley and Lothian, the Outer Hebrides, Orkney, South Lanarkshire and the Borders - will each take a share of around one million euros under the LEADER Broadband Challenge Fund, part of the Scotland Rural Development Programme.

Responding to a parliamentary question today, Rural Secretary Richard Lochhead said:

"I am pleased to announce today that five LEADER Local Action Groups will receive awards under the Broadband Challenge Fund announced on 1 July 2010.

"These are Borders, Forth Valley and Lothian, Outer Hebrides, Orkney and South Lanarkshire.

"Thirteen Local Action Groups bid for the funding. The assessment panel, comprised of Scottish Government and external experts in rural community development and IT, judged the winning bids as providing the maximum value for money in terms of advancing our rural development objectives and deploying relevant broadband provision.

"The estimate is that around 88 businesses will be supported from these bids. In Lothian Valley alone the estimate is that 100 new jobs will be created."

Related Information

[LEADER information](#)

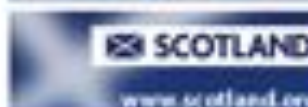
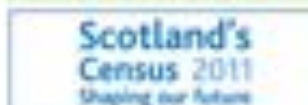
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Scotland and BT Expand Rural Broadband Internet Capacity Upgrades

By: MarkJ - 4 February, 2010 (8:11 AM) - Views: 1112 - Fixed Line Broadband

The Scottish Government and BT have expanded the reach of their rural broadband capacity upgrade scheme. The project, which was originally announced in December 2009 and aimed to improve capacity at 71 largely rural telephone exchanges, has now been expanded to cover a further 8 locations.

The move has become essential because exchanges in seven areas - Dumfries and Galloway, Lochaber, Skye and Wester Ross, Argyll and Bute, Moray, Cathness and Sutherland and the Scottish Borders - are currently operating at or approaching full capacity. The situation has caused many residents of related towns and villages to experience poor performance.



Enterprise Minister, Jim Mather, said:

"I know there is real frustration in some rural areas where households and businesses have been unable to obtain a satisfactory broadband service. I am confident many people in these communities, including businesses which need a competitive advantage in the economic downturn, will benefit greatly from this initiative."

Brendan Dick, Director, BT Scotland, said:

"The huge popularity of broadband has led to demand outstripping capacity at some of our smaller rural exchanges, so this is good news for consumers and businesses who can't currently benefit from the technology. This latest announcement means we will be working with the Scottish Government to upgrade nearly 80 small exchanges across Scotland over the coming year."

**Research implications:
broadband and rural
community resilience?**

Community resilience?

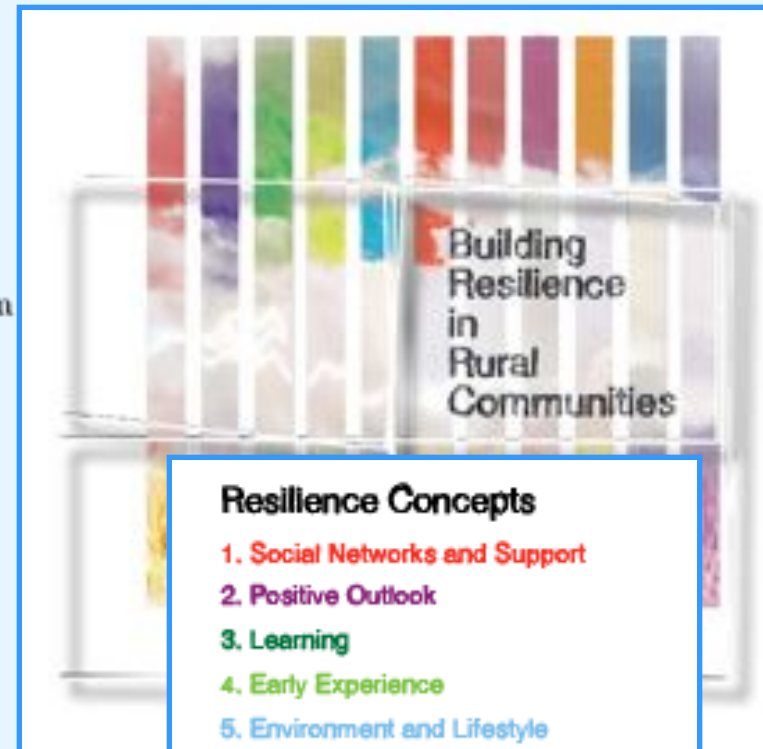


“Community resilience is the existence, development and engagement of **community resources by community members** to thrive in an environment characterised by **change, uncertainty, unpredictability, and surprise**. Members of resilient communities **intentionally develop personal and collective capacity** that they engage to respond to and influence change, to sustain and renew the community, and to **develop new trajectories for the communities’ future**” (Magis, 2010).

Building resilience



'RCR assessment chart' (Magis, 2010)



Resilience Concepts

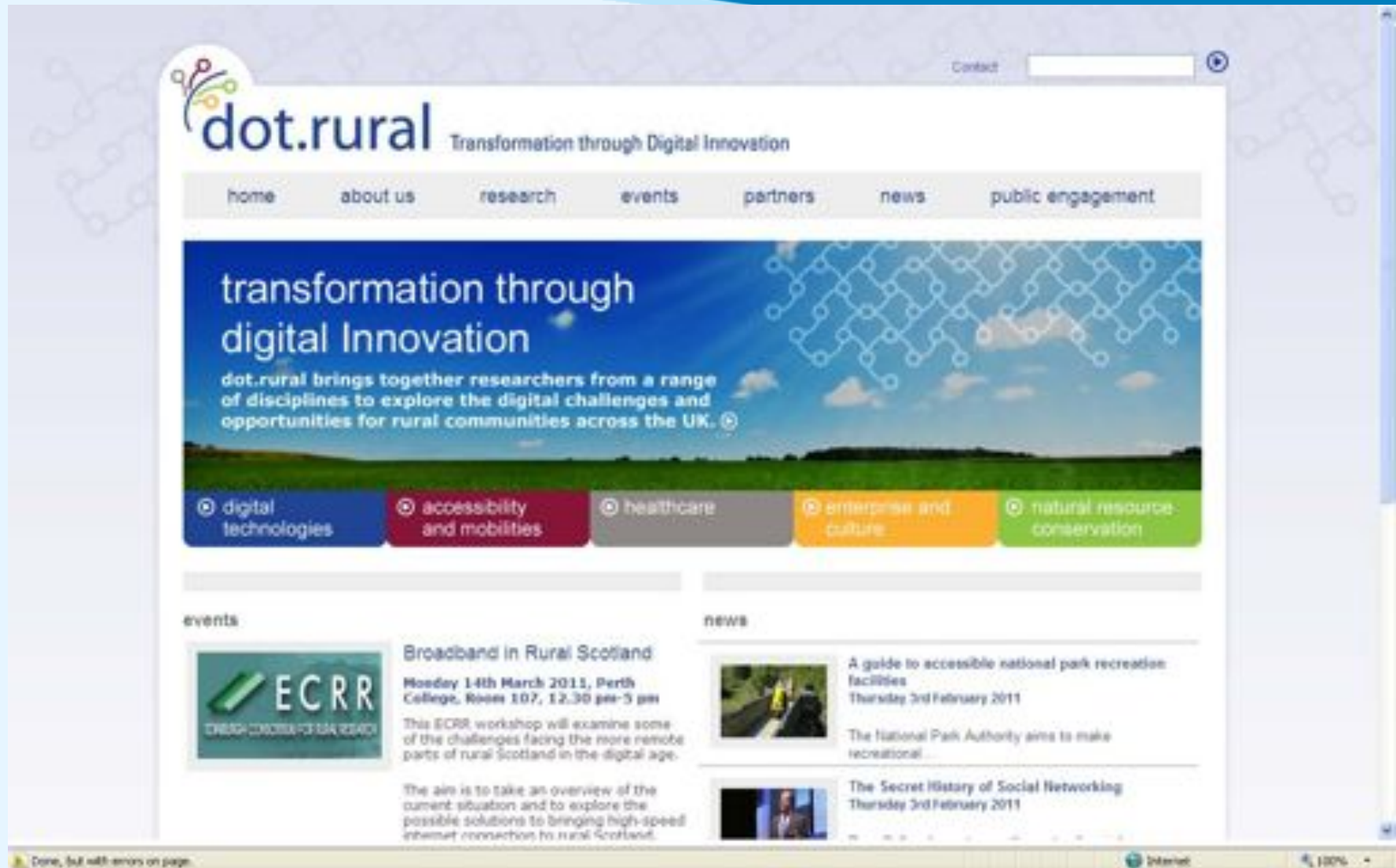
1. Social Networks and Support
2. Positive Outlook
3. Learning
4. Early Experience
5. Environment and Lifestyle
6. Infrastructure and Support Services
7. Sense of Purpose
8. Diverse and Innovative Economy
9. Embracing Differences
10. Beliefs
11. Leadership

In Queensland (Hegney *et al*, 2008)

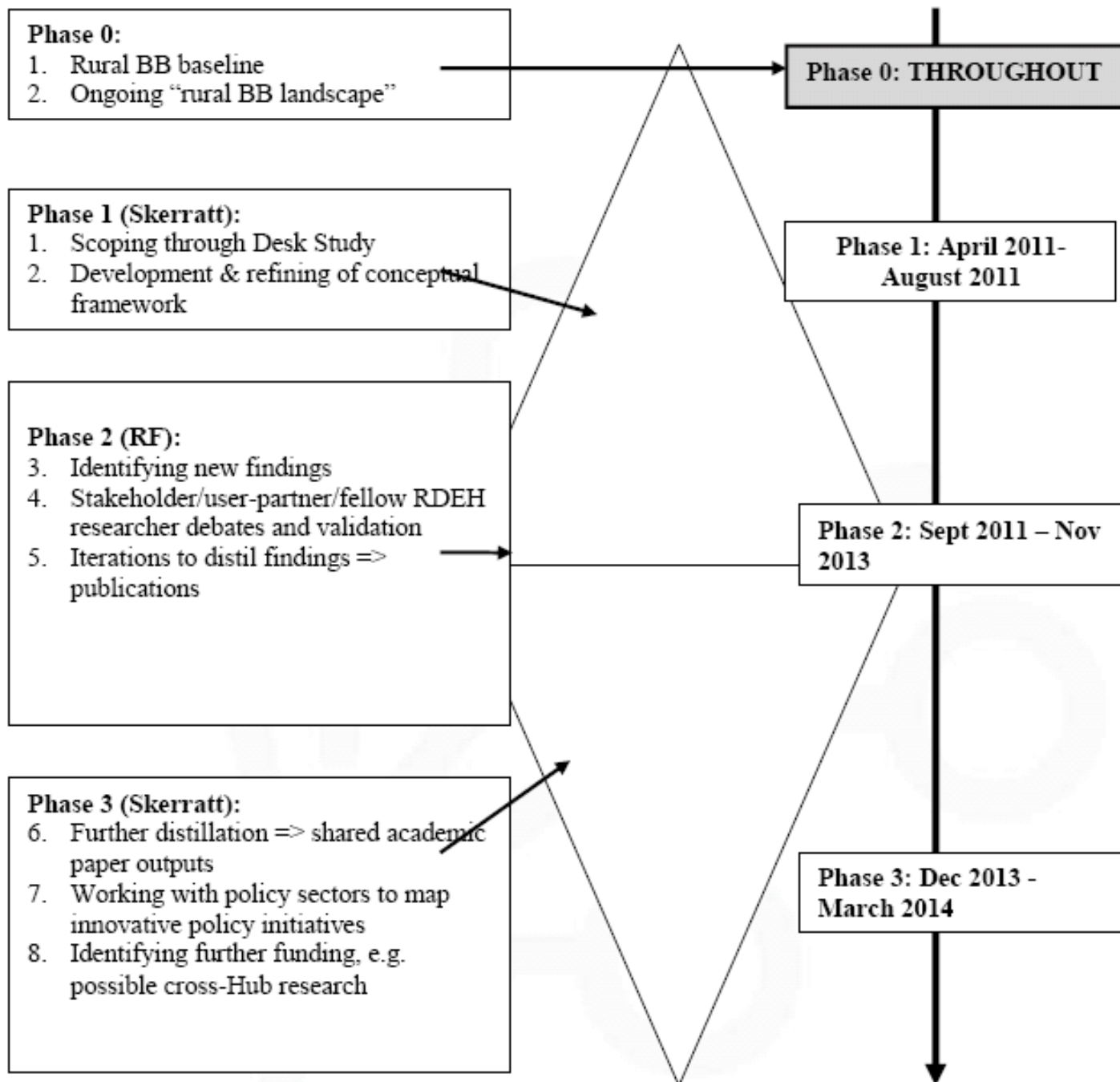
BB and wider outcomes?



Dot.rural (RCUK)



- Digital Engagement and Resilience
- Aim: To identify how the resilience of rural communities can be enhanced through understanding their interaction with innovative technologies in rural settings
- Approach: -> ->



Challenge to us as researchers:



- Identifying:
 - Patterns observable across case studies
 - Links with components of resilience at community level
 - Links with other outcomes...
 - Move beyond rhetoric and utopian/dystopian accounts to robust evidence across settings...
- Feed into policy in meaningful way

The contribution of rural broadband to resilient rural communities?

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SAC

S✓**ccess** through **Knowledge**

-
- Scottish Government
6-Fold Urban Rural Classification**
- Large urban areas (with a population of over 125,000)
 - Other urban areas (with a population of 10,000 to 125,000)
 - Accessible* small towns (with a population of 3,000 to 10,000)
 - Remote small towns (with a population of 3,000 to 10,000)
 - Accessible* rural
 - Remote rural
- * Accessible is defined as those areas that are within a 10-minute travelling time from the centre of a town with a population of 10,000 or more



Rural Scotland

1. More than 90% of Scotland's land mass.
2. Home to 20% of population = 1 million people.
3. Distinct characteristics rather than “special case”...



All this focuses on access...
Capacity for use?
Impact and outcomes?



