

Tranquillity Mapping: Developing a Robust Methodology for Planning Support

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Centre for Environmental and Spatial Analysis (CESA)
Participatory Evaluation and Appraisal in Newcastle upon Tyne (PEANuT)

bluespace environments

In collaboration with Bluespace environments, Durham

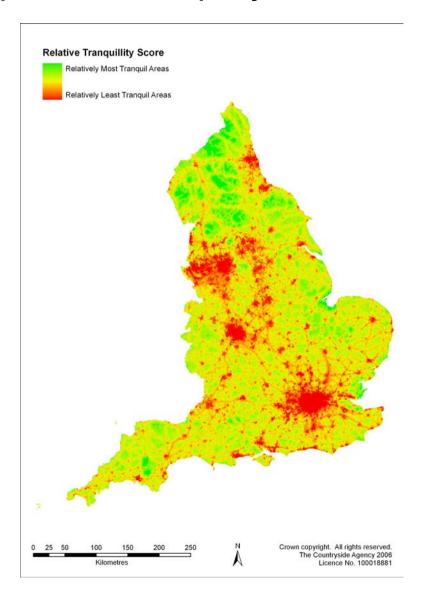


Landscape Research Group (LRG).

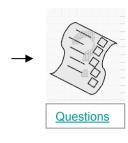




National Map of Relative Tranquillity







CESA PEANut

LRG

NE Study 6 Months



The Questions



What is 'tranquillity'?

What makes an area 'tranquil'?
What does 'tranquillity' mean to you?
If an area were described as being 'tranquil', what features would it have?
Where are 'tranquil' areas you know of?

What factors cause 'tranquillity'?

What makes an area more 'tranquil'? What makes an area less 'tranquil'?

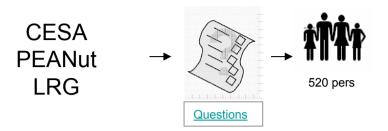
What impacts do 'tranquil' areas have?

When you are in what you consider to be a 'tranquil' area, how do you feel?

What does a 'tranquil' area look like?

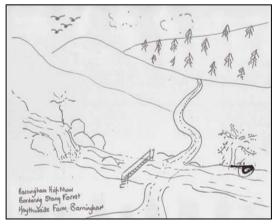
Do places become more/less 'tranquil' over time? (day/night, weeks, months, seasons, years...)

NE Study 6 Months Stage 2 Stage 3









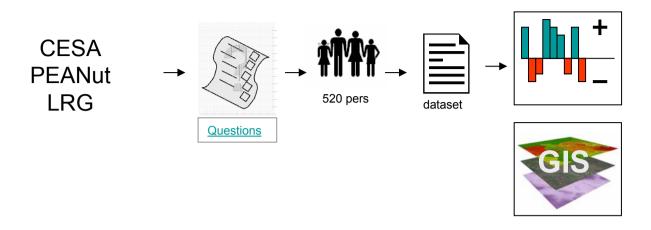


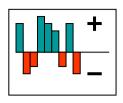
Participatory Appraisal

PA is a form of community research. In this study it was about countryside users.

There is an emphasis on tools & techniques that allow participants to contribute in their own ways.

NE Study 6 Months Stage 2 Stage 3





Weighting

Positive factors	Weight
Openness of the landscape Perceived naturalness of the landscape Rivers in the landscape Areas of low noise Visibility of the sea Total of positive factors	24% 30% 21% 20% 6% 100%
Positive Scores as a percentage of the overall scores	44%

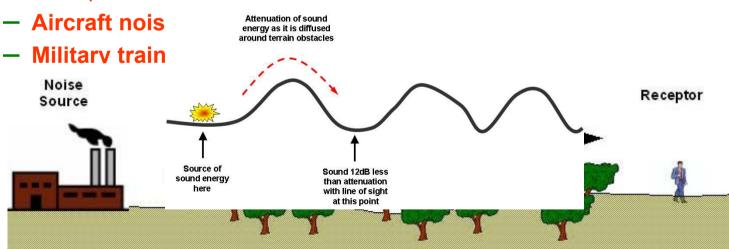
Negative factors	Weight
Presence of other people	60%
Visibility of roads	12%
General signs of overt human impact	10%
Visibility of urban development	8%
Road, train and urban area noise	7%
Night time light pollution	3%
Aircraft noise	1.5%
Military training noise	<1%
Total of negative factors	100%
Negative Scores as a percentage of the overall scores	56%



The Public closely associated of low noise with positive tranquillity.

There were specific types of r that were negative:

- Road, train and urban



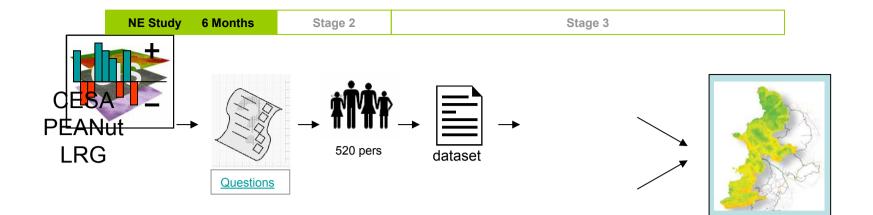
Terrain & Woodland

Low Noise Levels

Main Road Noise < 25dB

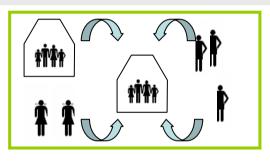
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Stage 1 Stage 3











National Study 1 y

1 year

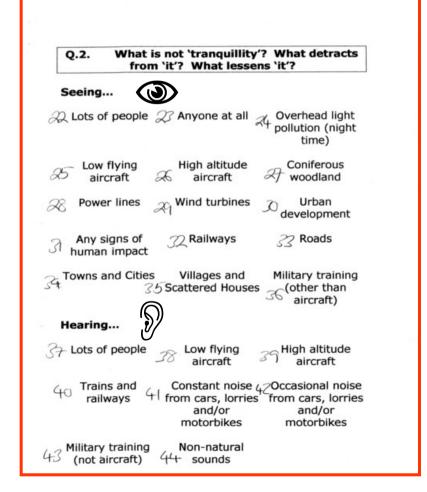




The Public Consultation

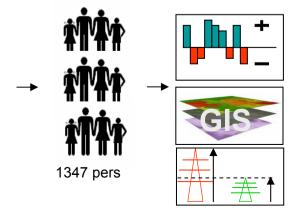
Questions

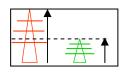
What is 'tranquillity'? What enhances Q.1. 'it'? What adds to 'it' Seeing... 3 A wild landscape A natural Wide open Z spaces landscape 5 Trees in the landscape Remote Deciduous landscapes 6 trees in the landscape > Streams Natural Rivers looking woodland | The Sea 1 Lakes The stars at night Hearing... 14 Wildlife | ? Birdsong Natural sounds 16 Silence 17 Peace and No human sounds Quiet 2 The sea Running Lapping water water





Questions

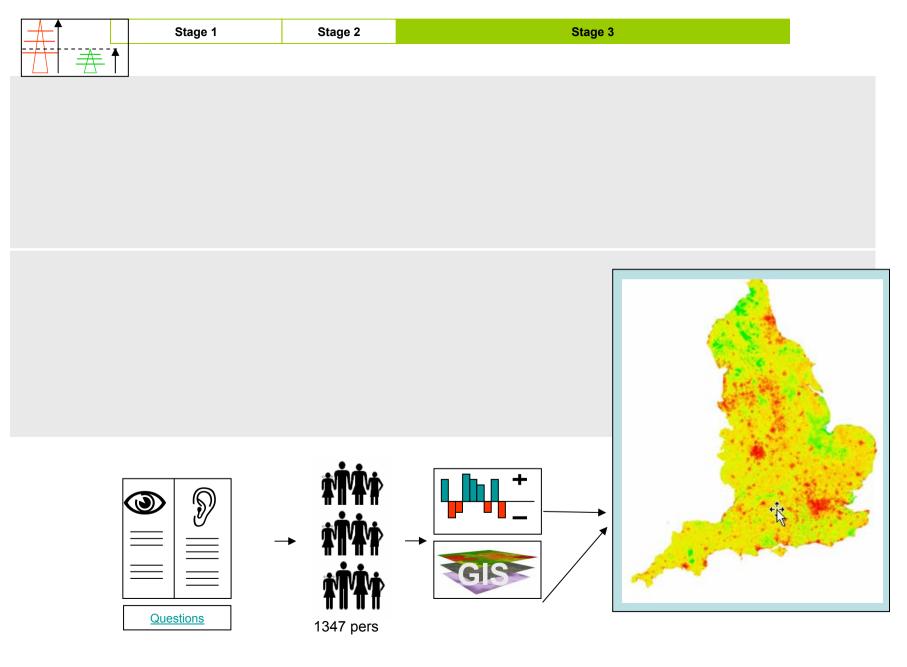


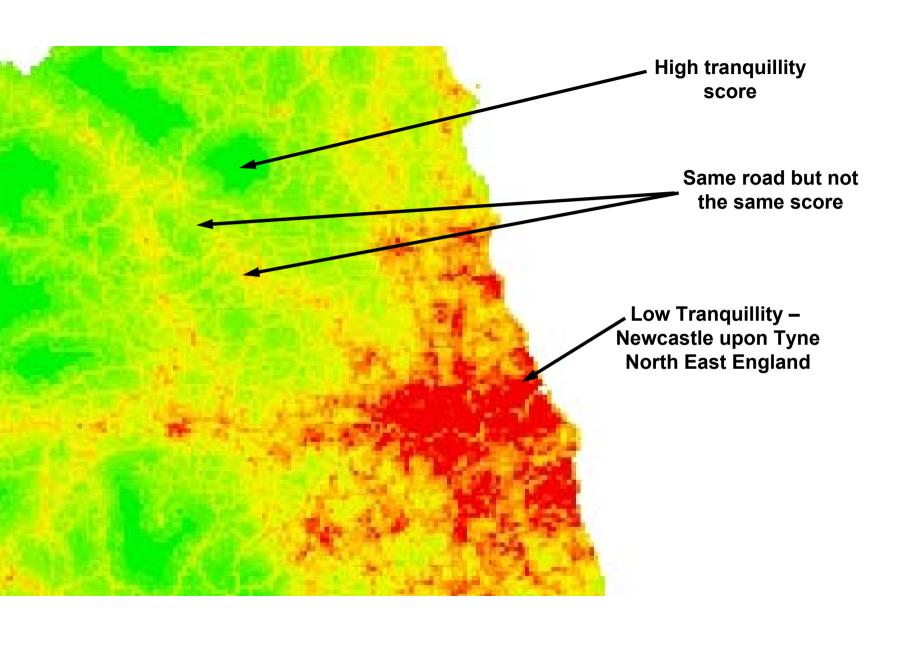


EXAMPLE - Spatial Threshold Analysis Signs of Human Development – Pylons











To finish...

- Keep the public's views as a priority remove expert led decisions where possible.
- Methodology is complex.
- Choice of sample areas: use of verification exercise is essential.
- Map is supported by important qualitative material – just because it isn't mapped
- The importance of Urban Tranquillity
- Strong influence of what you can see and hear and the threshold level of tolerance of an individual...
- Look at how tranquillity has changed in 10 years time