Joint UNECE / Eurostat Work Session
Geneva 9 - 11 December 2002

Neighbourhood Statistics

Systems being developed to collect, process and disseminate Neighbourhood Statistics, including the provision of toolkits to users.

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Outline of presentation

- Vision for Neighbourhood Statistics
- High level requirements
- The staged approach to building the ‘system’
- Distributed software tools for data owners
- Challenges for the future

The Vision for Neighbourhood Statistics

"..to deliver easier and wider access to geographically referenced, quality assured information that is consistent and coherent. Confidentiality will be the only limitation to enabling general access."

Principles of Neighbourhood Statistics include:

- Data collected and disseminated for NUTS V areas and smaller whenever possible
- Administrative systems will be a key source
- Geographic referencing at address level, using standard reference datasets
- Data aggregated and non-disclosive
- Provision of user support

What do users want?

- A website which is simple to use
- A good search mechanism - by geography and topic
- To access and download data for analysis
- To estimate and aggregate data to user defined geographies
- Graphing and mapping facilities
- Software tools to automate data capture

To achieve the Vision requires

- A high quality, high performance IT infrastructure
- A common geographic referencing framework at national and local level
- Continuous collection of a range of statistics
- Estimates from statistical modelling to supplement the statistics
- Tools to enable data owners to supply data easily and to ensure confidentiality

Where are we now?

www.statistics.gov.uk/neighbourhood

Development Phases

- **Initial Launch** - ward level database *February 2001✓*
- **Incremental phase** - add to ward level data *2001 - 2002✓*
- **GIS implementation phase** - geographic information system incorporated on web pages *2002✓*
- **Census launch phase** - 2001 Census results dovetail into NeSS, methods for updating established *2003*
- **Full Service phase** - further datasets at sub-ward levels, maximum user flexibility *2003 - 2004*

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national STATISTICS

- Local Authority)

Work

Report Name (click to view)
I1 : Jobseeker's Allowance claimants (Coverage : GB - Local Authority and Ward)
I2 : Incapacity Benefit claimants (Coverage : GB - Local Authority and Ward)
I3 : Severe Disablement Allowance claimants (Coverage : GB - Local Authority and Ward)
I4 : VAT registered enterprises by industry group, March 2000 (Coverage : UK - Ward)
I5 : VAT registered enterprises by employment sizeband, March 2000 (Coverage : UK - Ward)
I6 : Employee jobs, September 1998 (Coverage : GB - Local Authority and Ward)
I7 : Claimant count - Oxford University ward level estimates (Coverage : England - Ward)
I8 : Claimant count and claimant count rate (Coverage : UK - Local Authority)

Indices of Deprivation

Report Name (click to view)
J1 : Indices of Deprivation for wards in England, 2000 (Coverage : England - Ward)
J2 : Indices of Deprivation for districts in England, 2000 (Coverage : England - Local Authority)
J3 : Indices of Deprivation for electoral divisions in Wales,

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Statistical Reports

When a report does not contain any data for your selected areas the name is displayed in grey text

Expand All Collapse All

- Crime
- Economic Deprivation
- Education, Skills and Training
- Health
- Work
- Indices of Deprivation
- Population and Vital Statistics
- Other
- X-Cutting
- All Data & Quick Statistics
- MyReports

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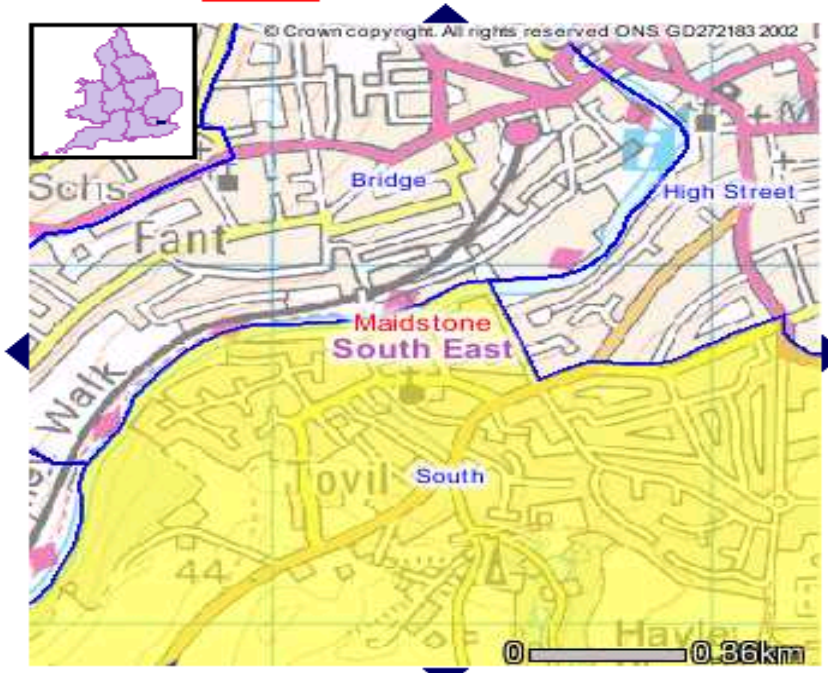
neighbourhood statistics

SOUTH EAST > Maidstone

- Pan
- Identify
- Quick Statistics
- Zoom In
- Zoom Out
- Select Without Highlight
- Select With Highlight
- Clear Selection
- Print Map
- Help

Active Tool :
Quick Statistics



Selectable Area

- District 1998
- Ward 1998

Key

- Region
- Local Authority
- Ward

Search by:

- Postcode
- Town or City
- Ward Name
- Local Authority

go

Income Support claimants August 1998 (numbers)	Total VAT registered enterprises, March 2000 (numbers)	Total employee jobs September 1998 (numbers)	Indices of Deprivation 2000 (rank out of 8,414 wards)	Resident population mid 1998 (numbers)	Percentage of the resident population aged under 16	Percentage of the resident population aged 16-59	Percentage of the resident population aged 60 or over	Total live births, 1998 (numbers)	Total deaths, 1998 (numbers)	Ward Profile
450	200	2,400	4,771	9,300	24	57	19	129	95	go

Get statistics for selected areas
GO

Start | New Mem... | Adobe Ac... | National ... | Microsoft ... | NeSS F... | 11:15

April 2003 System

- Access to small area Census data:
  7,000 variables for 200,000 areas
- Access to other data at NUTS V level
- Some pre-calculated rates and proportions
- Some analytical capability to compare data from different sources
- Text-based profiles and pre-created maps of key statistics
- Improved user support

April 2003 System

But there will be constraints on:

- Flexible interrogation of data
- Comparisons across regions and across datasets
- Dynamic creation of maps
- Visualisation of data

Further enhancements: August 2003

- Oracle as the strategic relational database management system
- New application development tools

Will provide:

- Improved collection, validation and storage processes

Further enhancements: by March 2004

- Further improvements to the automation of data collection and processing
- Increased analytical functionality - dynamic mapping, improved data manipulation
- Better capability for flexible selection and analysis of data
- User defined geographic areas
- New web dissemination tool

Non-functional capabilities

- Maintaining performance of system as number of users increases
- Facilities for:
  - rapid route to simple statistics
  - information and control when downloading large files
- Security

Distributed Software Tools

Aim:

To make Tools available free of charge to data owners to supply data for Neighbourhood Statistics

Distributed Software Tools

Will comprise:

- geographical referencing tools (data record validation and adding standard geo-codes)
- ability to aggregate data to census output areas and larger areas
- tools to prevent disclosure of information about individuals
- a tool to add appropriate metadata and format the dataset

Distributed Software Tools

Interim solution for delivery of data up to March 2004

- sufficient functionality to enable data to be delivered
- solutions built around the needs of known data owners

Distributed Software Tools

Delivery of final functional software tools in March 2004

Final solution still being considered, but..

- Looking at accreditation of commercially available software
- Some in-house (ONS) developments
- Commissioning development work

Challenges which remain

- Ensuring quality of data is maintained
- Ensuring good navigation around the website with quick access to data
- Managing the rollout of the software tools to data owners
- Managing expectations of users
- Providing support to potentially large numbers of users

Register an interest in Neighbourhood Statistics

If you would like to be informed about new developments, please register on our website

www.statistics.gov.uk/neighbourhood