

Scotland **Heat** Map

...how will you use yours?

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Heat, Energy Efficiency and Low Carbon Investment
Scottish Government

Stratego – Coaching Session 1
17 Nov 2014

Scotland **heat** map

- ...stores collective knowledge of the public sector on energy & buildings

How can we use it?

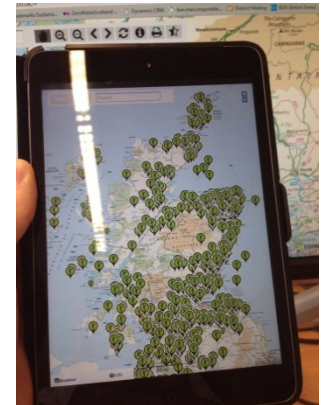
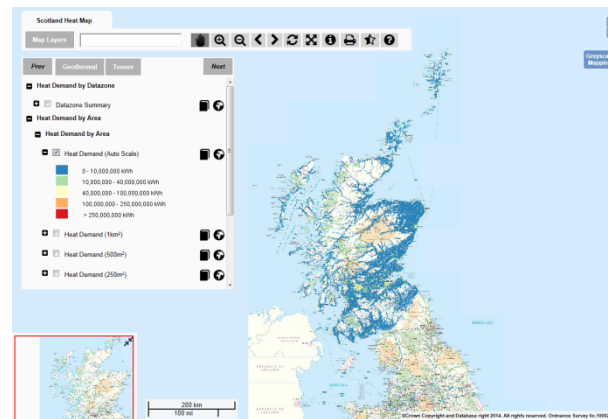
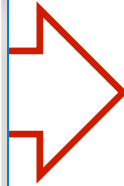
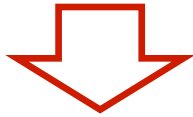
- ...energy, economy, social
- ...to engage and involve stakeholders
- ...to plan
- ...for feasibility and project development
- ...for management

Scotland **heat** map

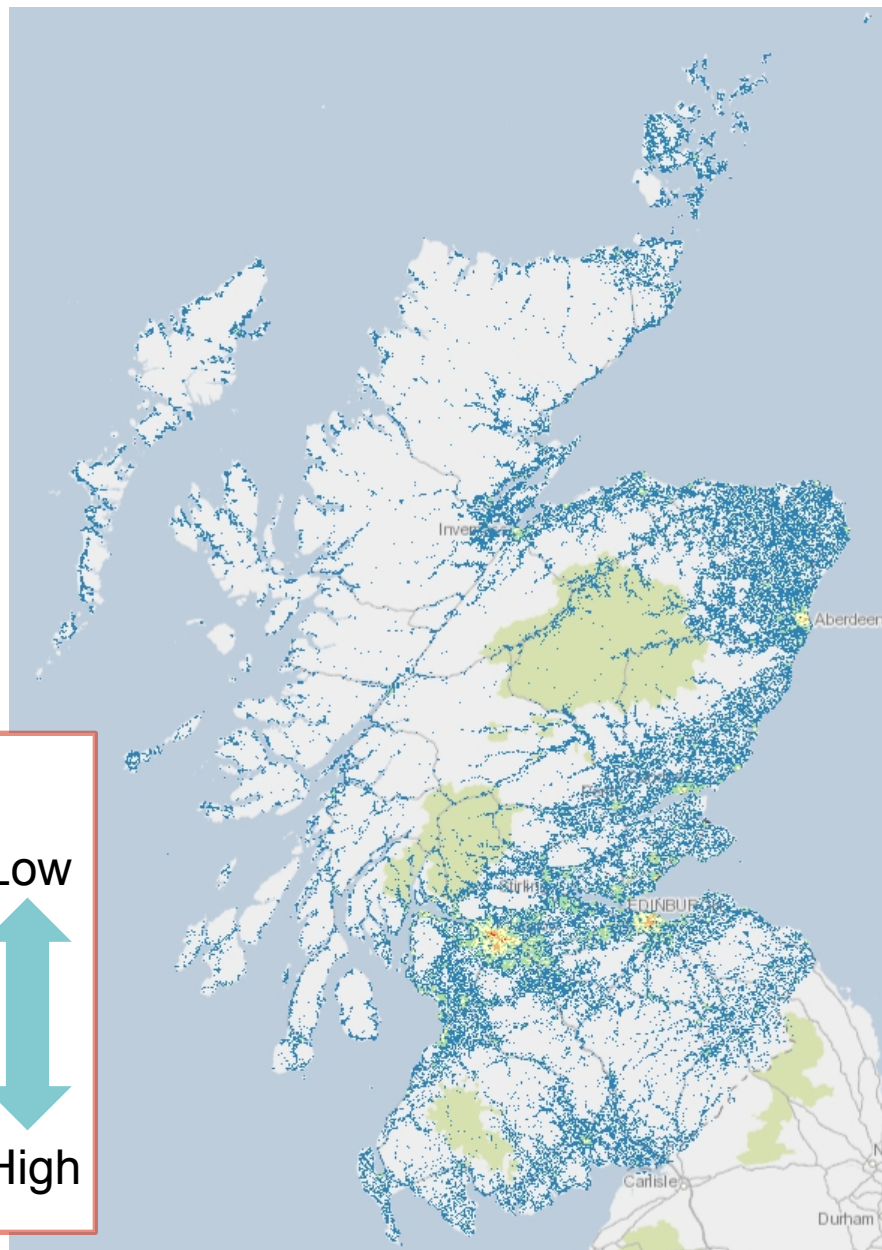
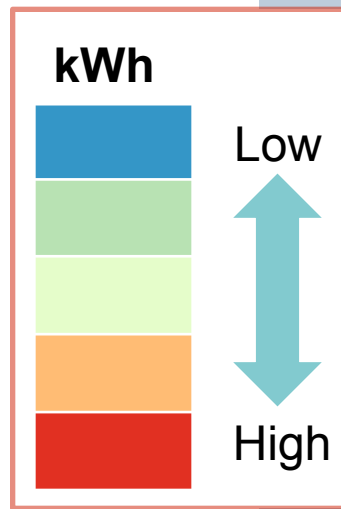
- Developed in partnership with over 100 organisations providing data
- Many datasets shared for the first time
- An amazing public resource of data
- New simplified data upload tools

Heat map interactive

www.scotland.gov.uk/heatmap

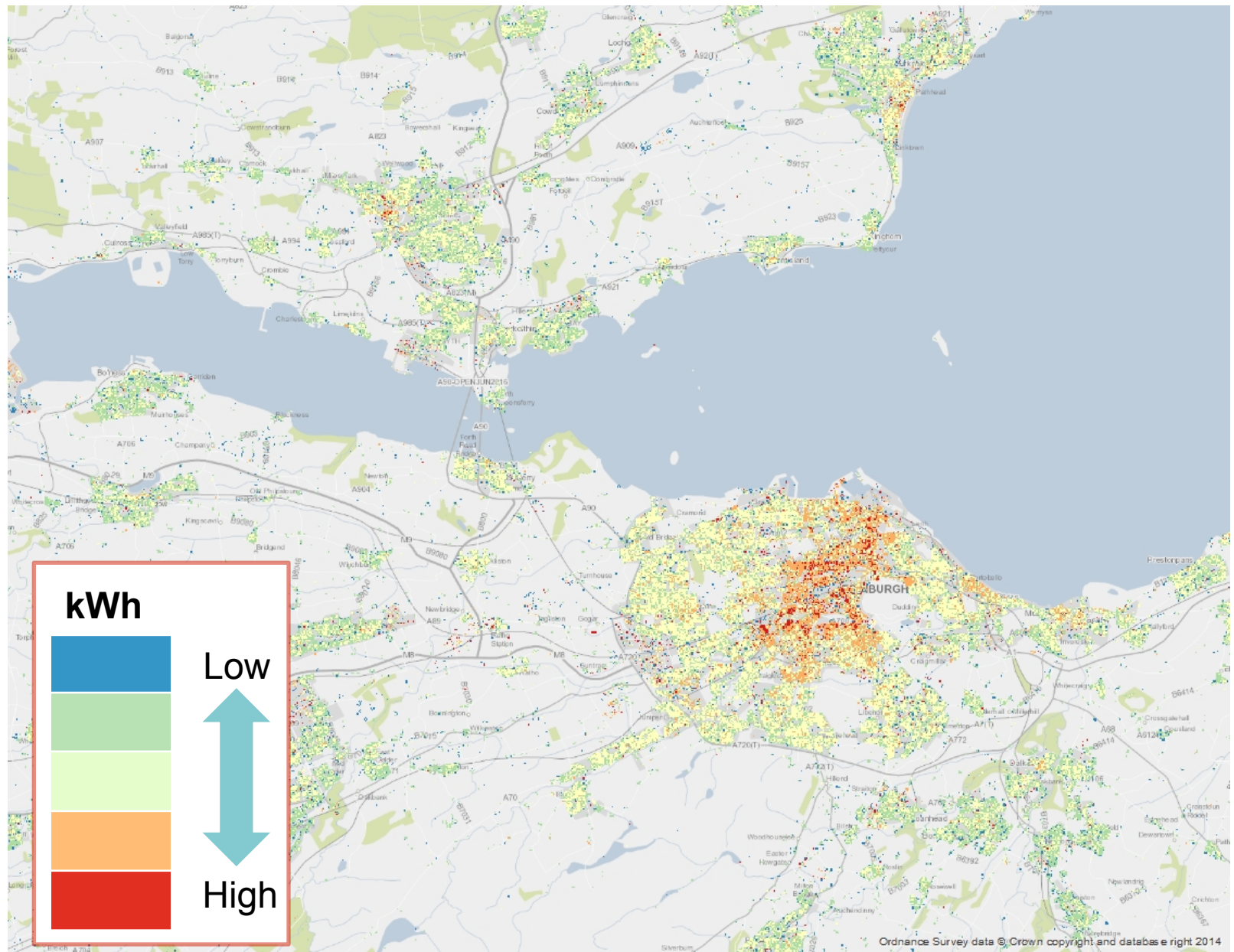


500 m Heat demand



The Scottish Government

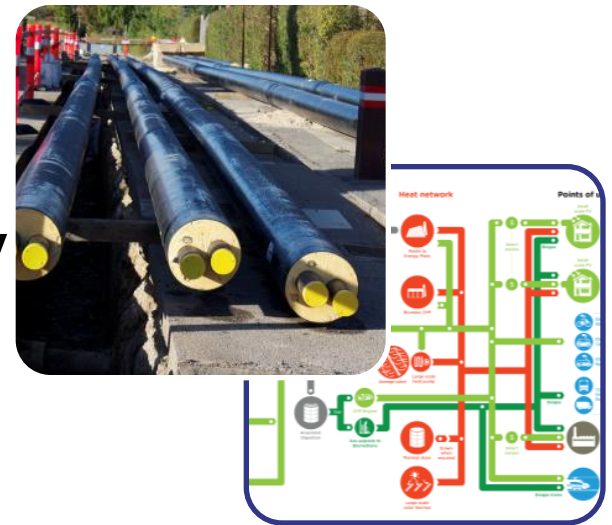
50 m Heat demand



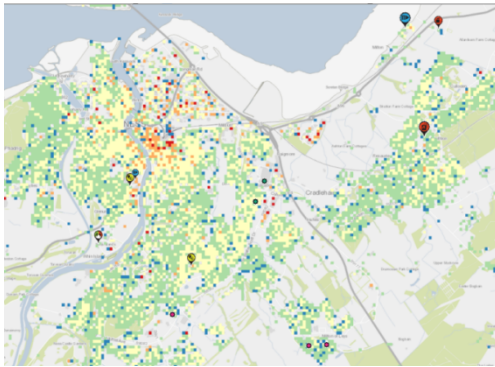
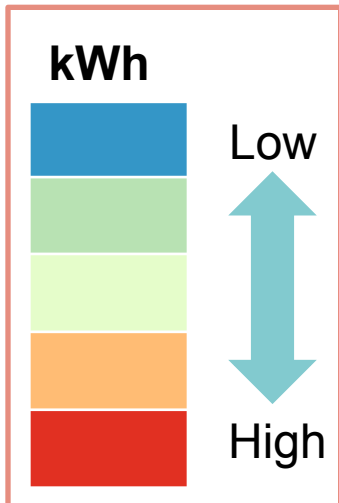
The Scottish Government

Heat map uses

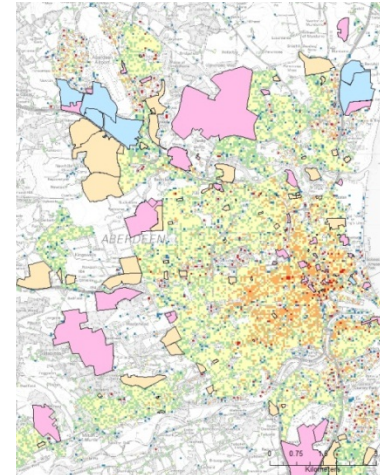
- National Policy, models and statistical tools
- Strategic and local planning
- Site identification / opportunity
- Detailed feasibility / network expansion, funding
- Management / fault location / metering / billing



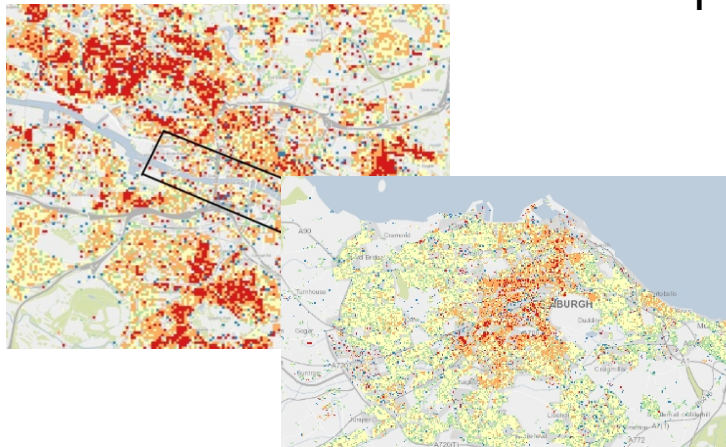
Heat demand



Business
and
social
housing

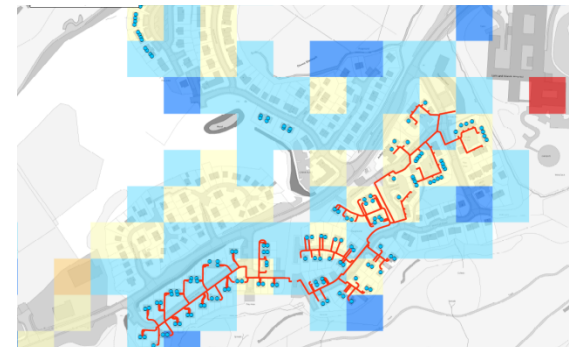


Local
Development
Plan



City sustainably and
master plans

Feasibility and
heat network



The Scottish Government

Unused excess **heat**



Waste Water
Treatment Works



22 supply sources



Heat networks

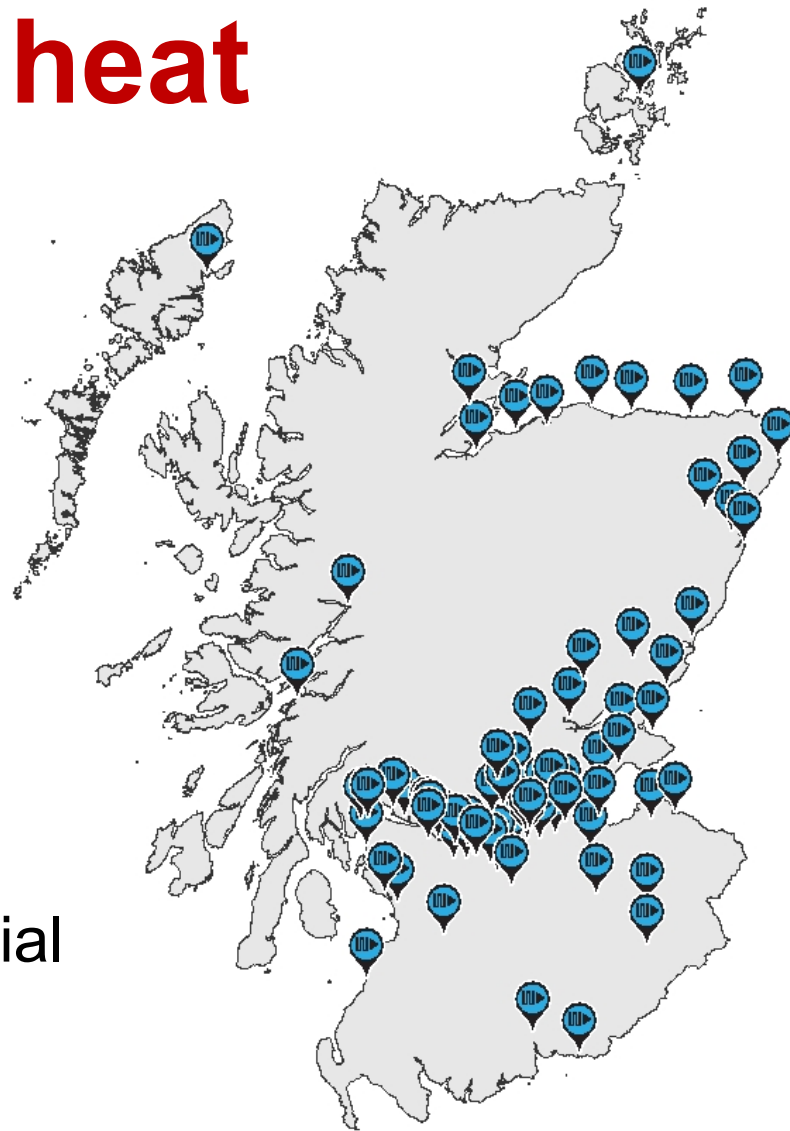


New actual and potential



Public and business

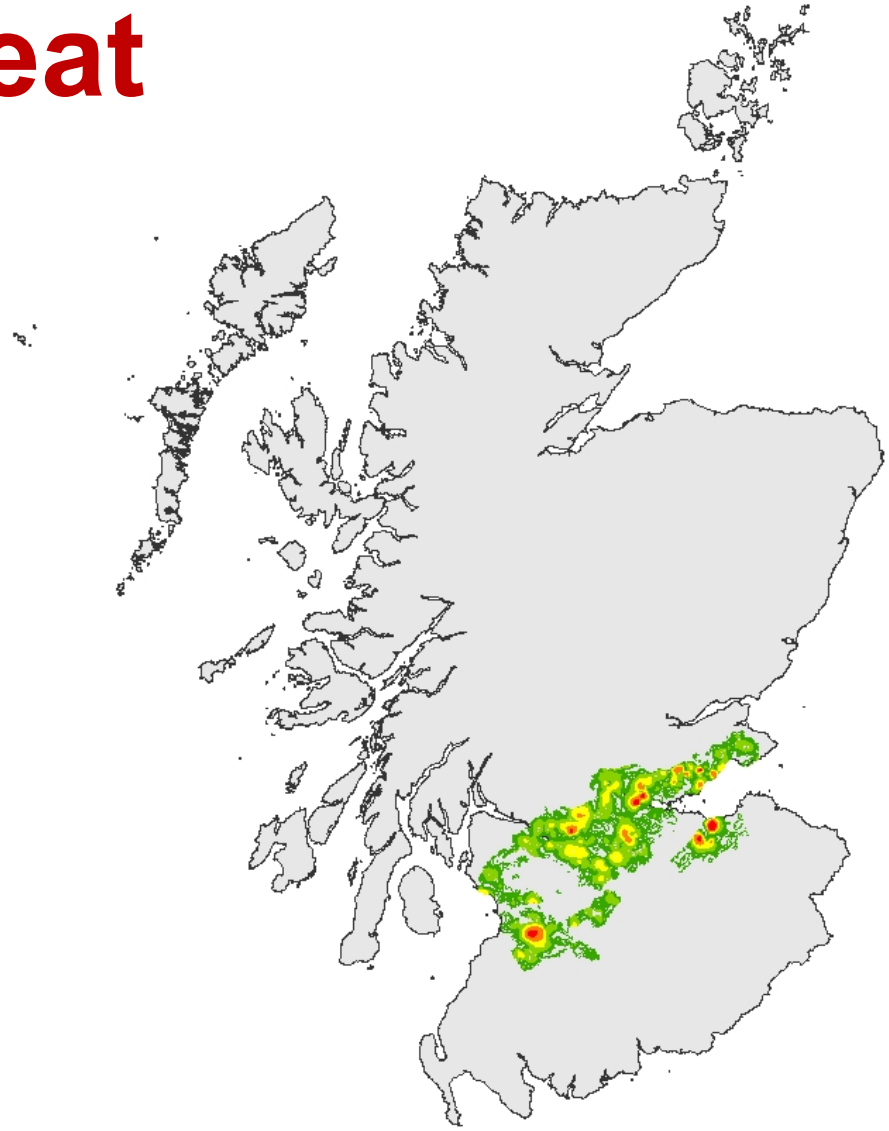
- Water layer on its way...



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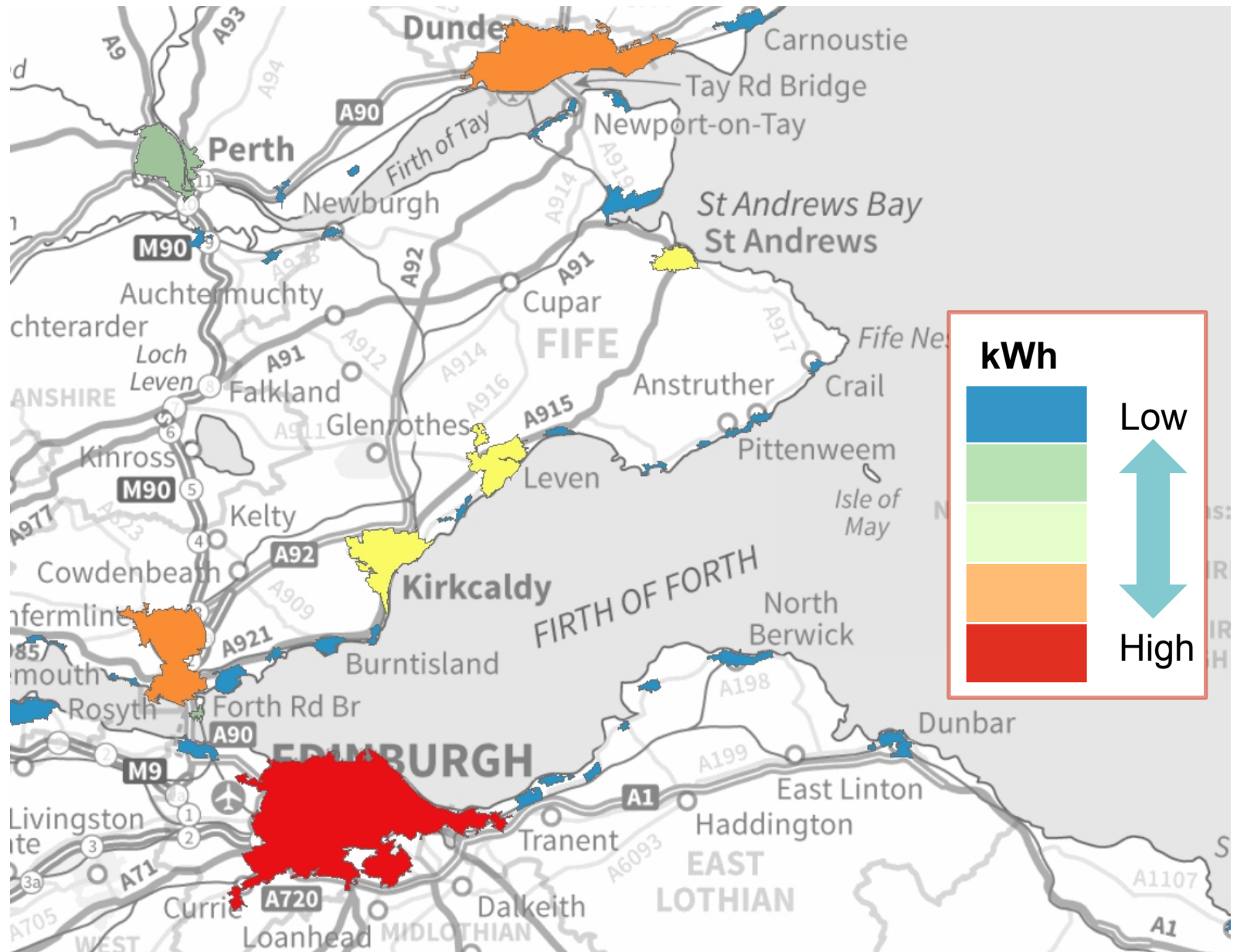
Geothermal **heat**

Mine workings
[Depth to base]



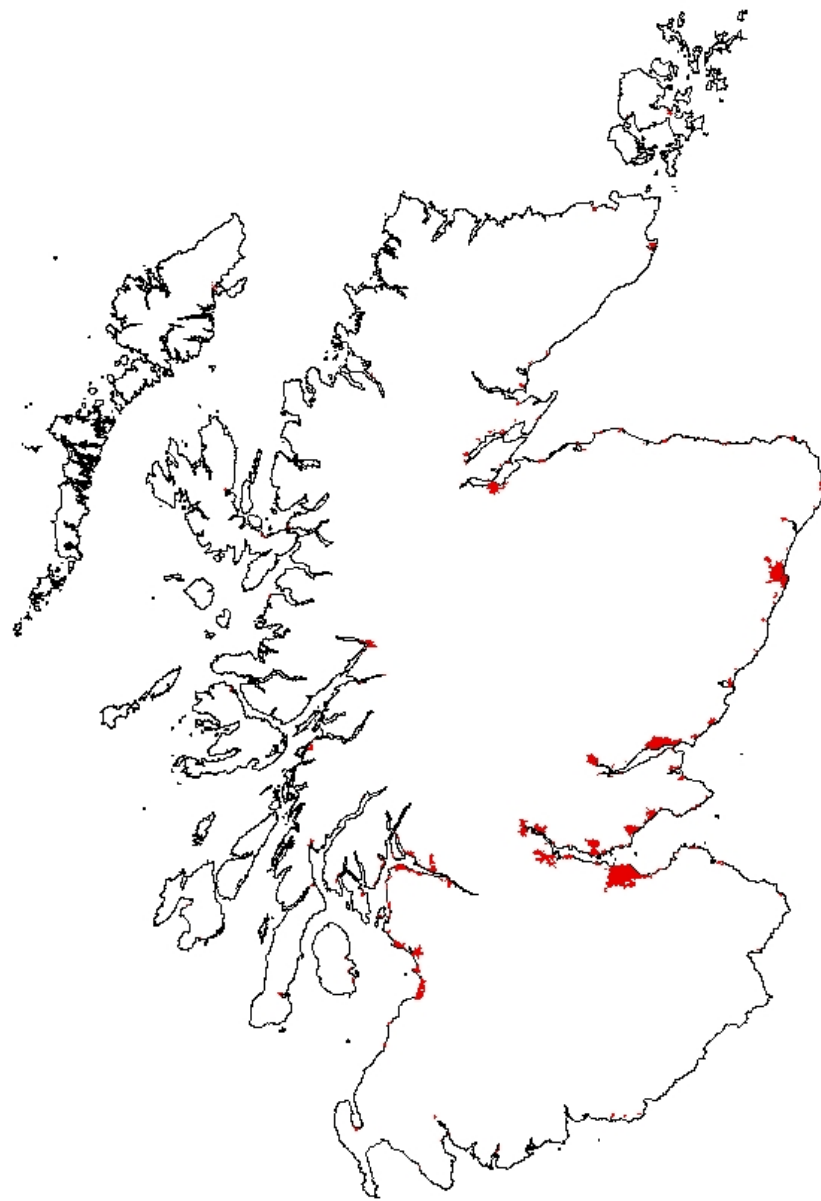
The Scottish Government

Settlement



Our **warm** sea

- Total heat demand for all settlements within 1km of the coast is **31 TWh/yr**
- Total (non-electrical) heat demand 87 TWh for all Scotland
- Not all demand is low grade heat (ie industrial)
- Variable sea temperature [Moray Firth 5.9-13 °C]



Scotland **heat** map

- All Scottish councils & now wider public bodies can request datasets (launch April 2014)
- Scotland heat map interactive (web launch June 2014)
- Web open data (end 2014)
- Public sector data facility (ProcXed – launch November 2014)
- Updated & improved map launched soon!

www.scotland.gov.uk/heatmap



The Scottish Government

Heat links

- **Scotland heat map**

www.scotland.gov.uk/heatmap

heatmap@scotland.gsi.gov.uk

andrew.seaton@scotland.gsi.gov.uk

- **Heat Network Partnership**

www.districtheating.scotland.com