OutbreakDS
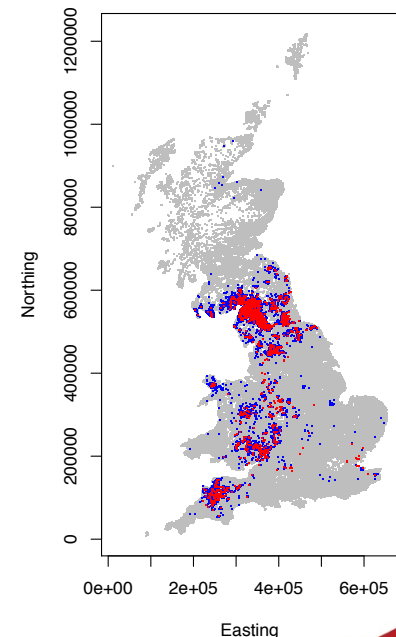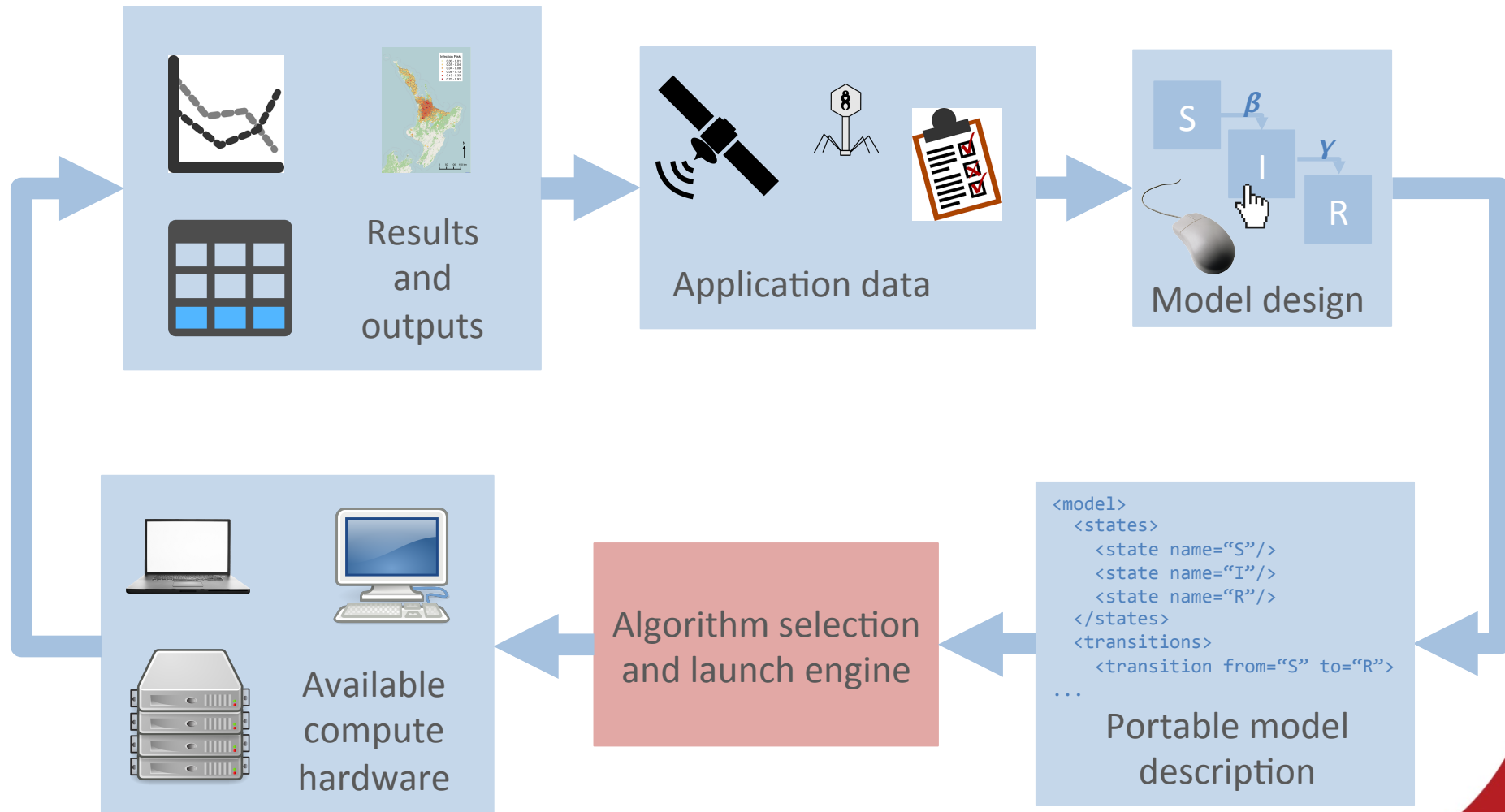
Data science for disease outbreaks

- 21st century has brought high-performance analytics for disease outbreaks

- Rely on computationally intensive (mostly) Bayesian methods

- Difficult to program for non-specialists
  - Complex functions, vectorisation, GPUs

- OutbreakDS is a translational package
  - Toolkit for epidemiologists and policy makers
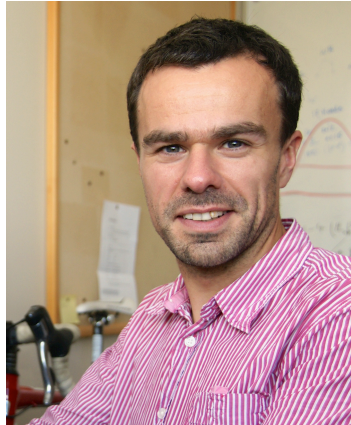 - Open Source (Python, OpenCL, R binding)
  - BBSRC application in progress…

The output

Data flow

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