

Plot

“We know more about the travel patterns of the 6.8m cows on the island than we do about the 6.5m visitors to our shores each year.”

Can the electronic footprints created by mobile phones be of use
i.e. Call Detail Records of visiting roamers a source

Initiative commenced in 2011

Cast and Motivation

CSO

Data Protection Commissioner

tif (mobile) @ IBEC

Mobile Network Operators Group

Motivation

Positively disposed – Corporate Social Responsibility etc
but

Cost / Burden

Public perception

Legal basis

Agreed early on to work towards consensus on the legal basis

Legal

Data Protection Acts, 1988 and 2003

Statistics Act, 1993

- general right of access to records notwithstanding in DP Acts
- compel data provision through a legal instrument under Act

E-Privacy regulations, 2011

- EU directive
- Sector specific legislation
- requires data to be anonymised

“EUROPEAN COMMUNITIES (ELECTRONIC COMMUNICATIONS NETWORKS AND SERVICES) (PRIVACY AND ELECTRONIC COMMUNICATIONS) REGULATIONS 2011”

Overview

CSO gets to play with big data

- The sandbox
- UNECE - ICHEC
- 2014 -The sandbox went live
- The sandbox – looking to the future

The toys (data sources)

- twitter data
- mobile phone data
- satellite imagery / aerial photography
- price data/ job vacancy data via scraping
- scanner data/price data sourced via large vendors
- smart meter data on electricity/gas consumption

Some of the players



National Institute of Statistics
and Economic Studies
Measuring, understanding



Statistics Netherlands



Statistics
Canada

Statistique
Canada



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Big data now playing at the sandbox



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