

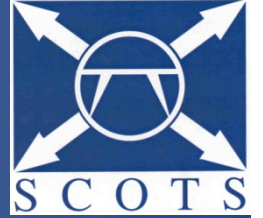


**Society of Chief Officers of  
Transportation in Scotland**

**Implementing roads asset management  
Learning from the SCOTS national project**

**Bill Barker  
Secretary / Treasurer  
SCOTS**

# First Thoughts...



# Introduction to SCOTS



*Transportation is the lifeblood of a vibrant economy and inclusive society*

SCOTS – a strategic body of transportation professionals covering Scotland’s 32 Councils and 7 Regional Transport Partnerships promoting excellence and innovation in the design, delivery and maintenance of transportation systems across Scotland for the Scottish public.

### Slide 3

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**P1** perhaps mentions the SCOTSNET website single source of a vast range of information in one place for all Scottish authorities...

Inlcuding a resource centre for the RAMP project ?

Paul, 07/07/2010

# Introduction to SCOTS

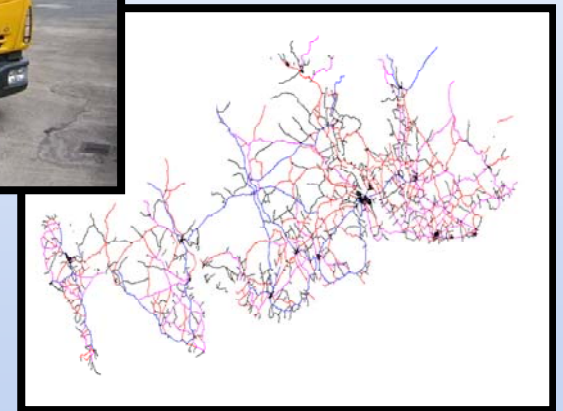


# History - SRMCS



## Scottish Road Maintenance Condition Survey

- Includes all classes of road
- Machine based
- 32 Councils
- Six year contract
- Statutory Performance Indicator



# Drivers for the RAMP Project



- **Local Government in Scotland Act 2003**

*Local Government in Scotland Act 2003 (asp 1)*

i



## LOCAL GOVERNMENT IN SCOTLAND ACT 2003

Asset Management under Best Value  
Advisory Note

# Drivers for the RAMP Project



- **Maintaining Scotland's Roads,**  
Audit Scotland, 2004  
– 9 recommendations



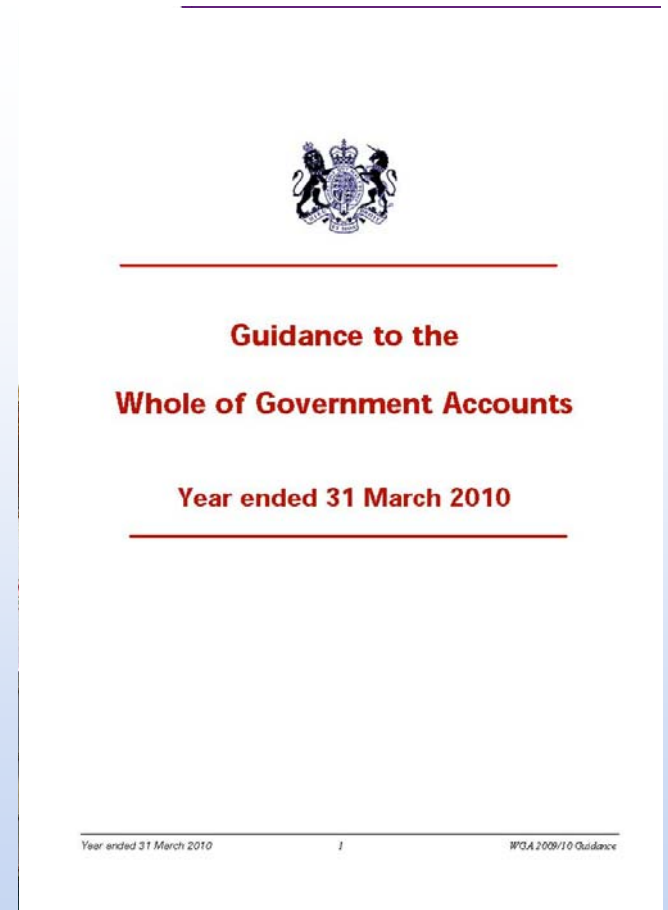
# Why Asset Management Planning



# Drivers for the RAMP Project



- ~~Changes in funding~~
- Changes in accounting procedures
  - Whole of Government Accounts
  - CIPFA Code of Practice



## History - 2



- **2005 - Ad hoc discussions**
- **2006/7 - Efficient Government Fund Bid**
- **2007/8 - SCOTS RAM project**



exp | consulting

# Project Aims



- **A better road network**
- **A common framework**
- **A single asset management protocol**
  
- **Outcome - Efficient, Sustainable  
Advanced Asset Management practiced  
in all Scottish Local Authorities**

# Approach: Steering Committee

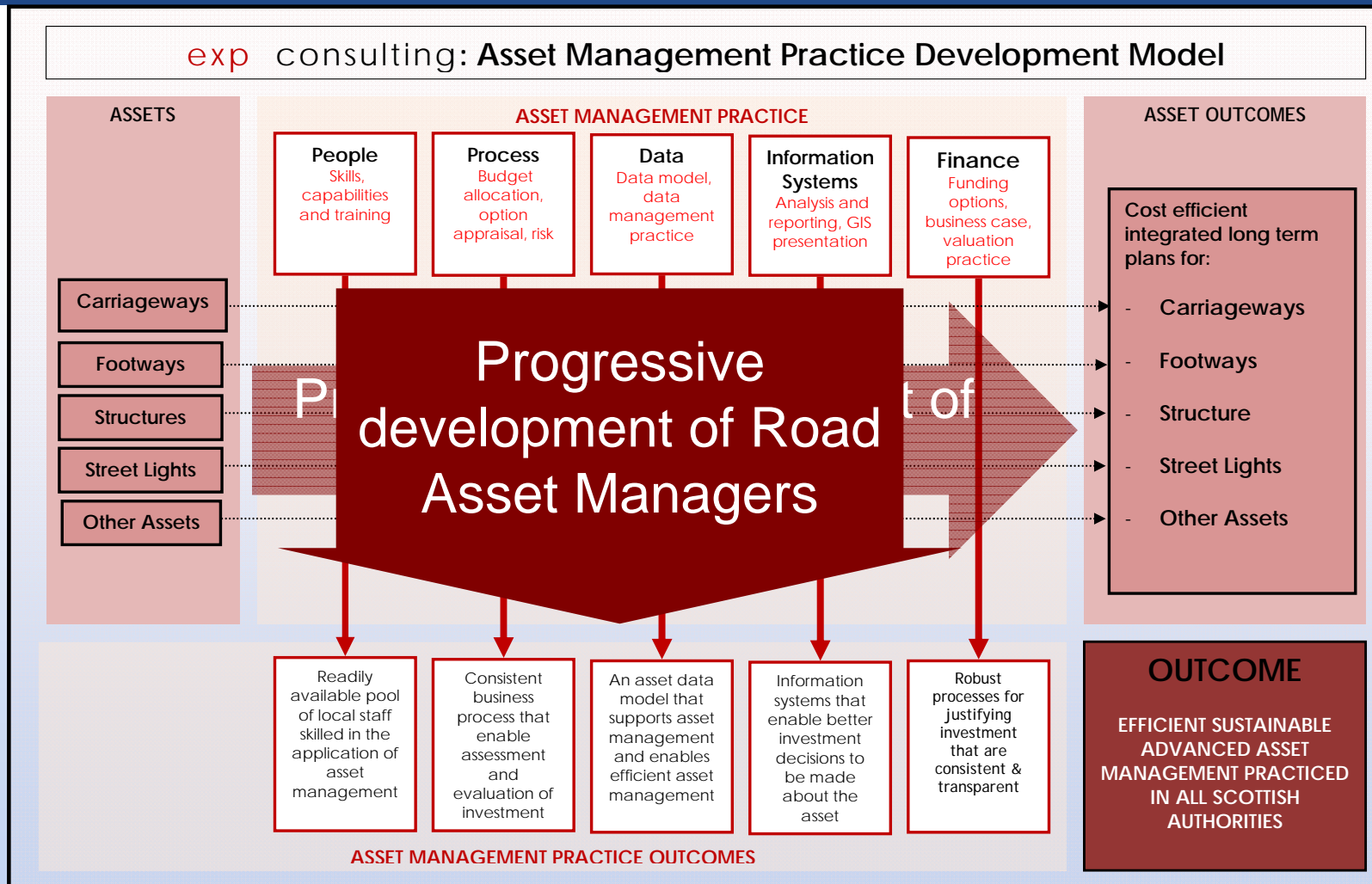


- Members:
  - Representative authorities
  - Lighting and structures reps
- Role:
  - Approve tasks & deadlines
  - Report to authorities on progress

# How we plan to get there



## exp consulting: Asset Management Practice Development Model



# Approach: Training Sessions



- Regional Training Sessions
- Discipline Groups
- Focus Groups





# Approach: Communications



**SCOTS Road Asset Management Project Newsletter no. 1: March 2009**

This newsletter for the SCOTS Road Asset Management Project contains:

- A précis of the year one progress report
- Details of the target set for year two
- Dates and topics of the regional events
- A report on the training sessions held this month
- Details of new documentation available for councils to use
- Instructions on how to set alerts on the project website

**Review of Year One**

A report has been compiled by the consultants monitoring the progress of the project to year one. The report comments:

1. the project and the approach being taken
2. the overall progress towards achieving the project objective
3. Authority progress in responding to the task set

It concludes that the changes during year 1 to a task based approach was the right decision and the project is now gaining some momentum.

**Overall comment: Progress that progress is behind expectations.**

**There is a need to make significantly greater progress during year 2 if the project objectives are to be met.**

A copy of the report will be provided to each council. SCOTS will be writing to each council's Chief Executive providing copy of the report. The letter will stress the importance of the project and encourage them to ensure their staff to commit the time and resources required to obtain the maximum benefit from participation in the project.

**Asset Management Discussion (P)**

Use the General Discussion to hold newsgroup-style discussions on topics relevant to your team.

**New Discussion | Expand/Collapse**

Subject	Replies	Posted By	Modified
Lighting - ground lighting	0	Christine Francis	20/10/2009 09:51
Hardware	7	David Grindley	21/10/2009 11:32
Road Network Hierarchy	7	Bizabeth Maciver	20/08/2009 16:40
Alterations to the Asset	4	Bruce Milne	09/07/2009 23:07
CPD recognition	2	Dorothy Reid	15/05/2009 14:47
Visual Condition Rating (VCR Users)	1	Scott Walker	13/03/2009 14:43
Tasks 5 & 6	1	Ian Cochrane	04/12/2008 09:09
Message Board Response	0	Jim Cannon	23/06/2008 14:38
Trial Discussion	11	Paul Hardy	18/05/2008 09:33

**Asset Management Home**

**Documents**

- 01 How to use Site
- 02 Training Session Agenda, Documentation (P)
- 03 Task Locations, Details and Deadlines (P)
- 04 RCAD ASSET MGMT. PLAN (P)
- 05 Steering Group Minutes (P)
- 06 Project Newsletters (P)
- 07 External ref. Info.
- 08 Archive (P)

**Announcements**

- 01n C677 - Whole-life infrastructure asset management: good practice guide for civil infrastructures. by Eddie Street
- This informative document has recently been reviewed in the Asset Management section, folder reference information
- Project Newsletter No. 4** by Paul Hardy
- The latest project newsletter has been issued and downloaded. It contains important information about training sessions. Please distribute it to those who have not seen it.
- Asset Management Quick Start Guidance** by Alison Owe
- Copies of Quick Start Guidance produced by the can be viewed by following the link [www.scradforumgroup.org/Info/asset\\_mgmt](http://www.scradforumgroup.org/Info/asset_mgmt)

**Pictures**

**Lists**

- Asset Mgmt Champions (P)
- Training Workshop Details
- Group Members (P)

**Discussions**

- Discussion (P)

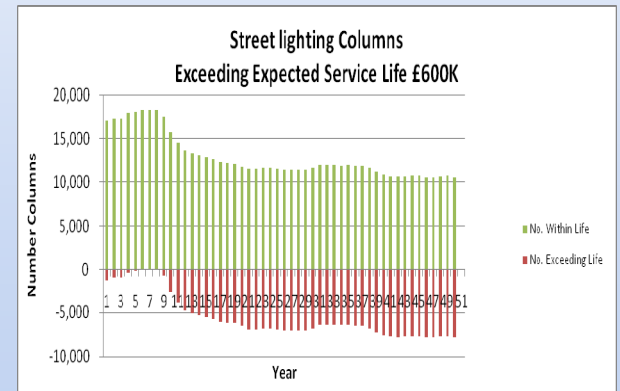
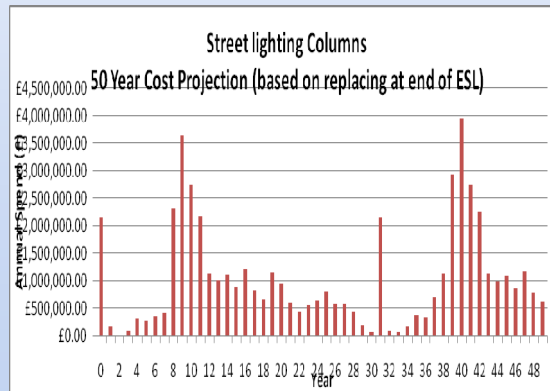
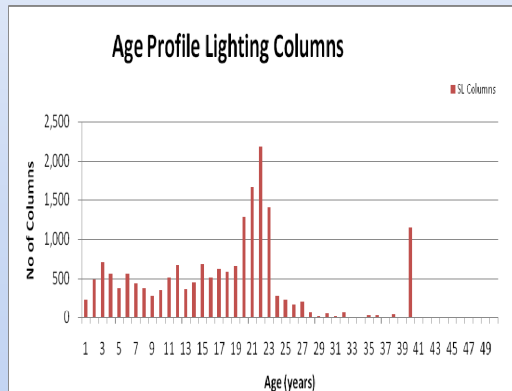
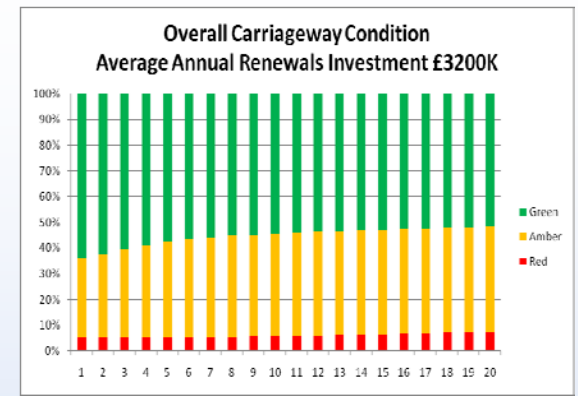
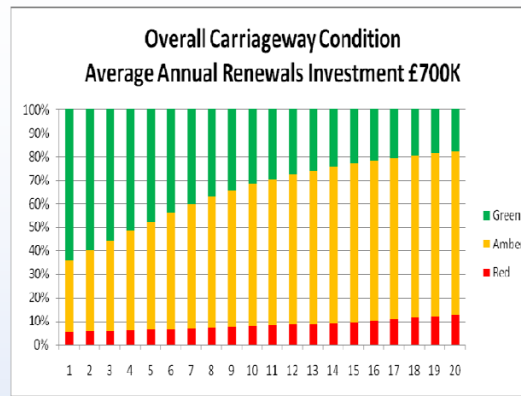
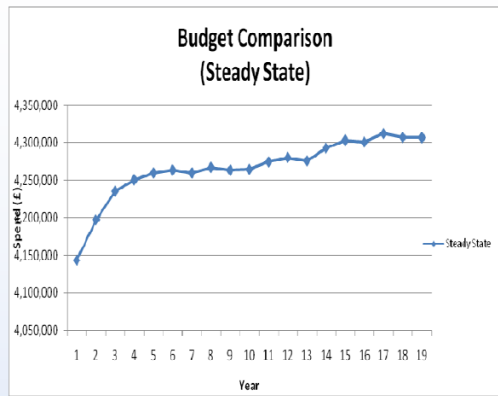
**Surveys**

- (None Announcements...)
- Add new announcement
- Training Workshop Details**
- There are currently no upcoming events. To add a new event, click "Add new event" below.
- Add new event

- Newsletter
- Website
- Discussion forum
- Webinars / Video conferencing



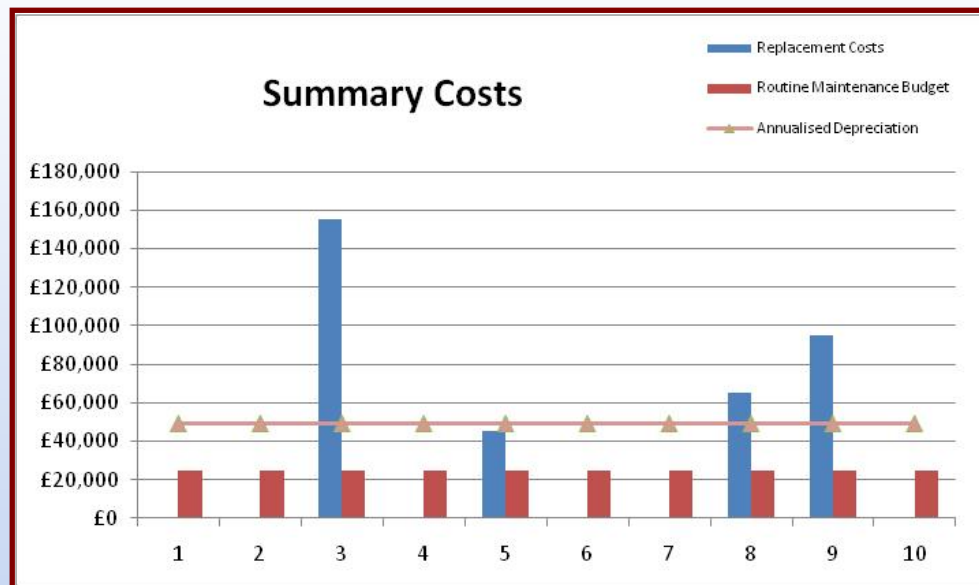
# Outputs



# Budget Profiling and Valuation



Same data produces prediction of funding need & asset valuation



GRC £740,000

DRC £383,000

AC £357,000

AD £49,333



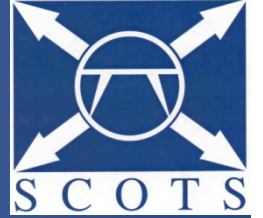
Based on 2009 SRMCS RCI

Outputs:

- Headline backlog
- RCI Steady state budget
- Effect on RCI of current budget spend
- Effect on RCI of 10% budget cut
- Gross and Depreciated Replacement Cost
- Effect of Budgets on DRC



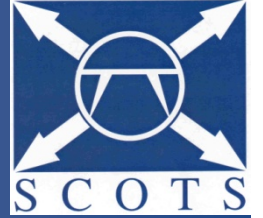
# Headline Backlog



Cost of treating all “Red” and “Amber”

**Scottish headline backlog £1.539billion**

# Steady State Budget



**Average Annual budget required to maintain  
RCI for 10 years  
£167.6 Million**

**Current Annual Scottish Expenditure  
£122.5M or 73% of requirement**

# Current or Reduced Budget



## Effect on RCI of current budget spend

- Results varied between a deterioration of 34.4% to an improvement of 23.5%
- Scottish network deteriorates by 9%

## Effect on RCI of 10% budget cut

- Results varied between a deterioration of 34.7% to an improvement of 18.4%
- Scottish network deteriorates by 14%

# Current or Reduced Budget



Deterioration			Improvement		
>20%	10-20%	<10%	<10%	10-20%	>20%
Current Budget Level for 10 years					
6	10	8	7	0	1
Budget Level reduced by 10% for 10 years					
7	13	5	6	1	0

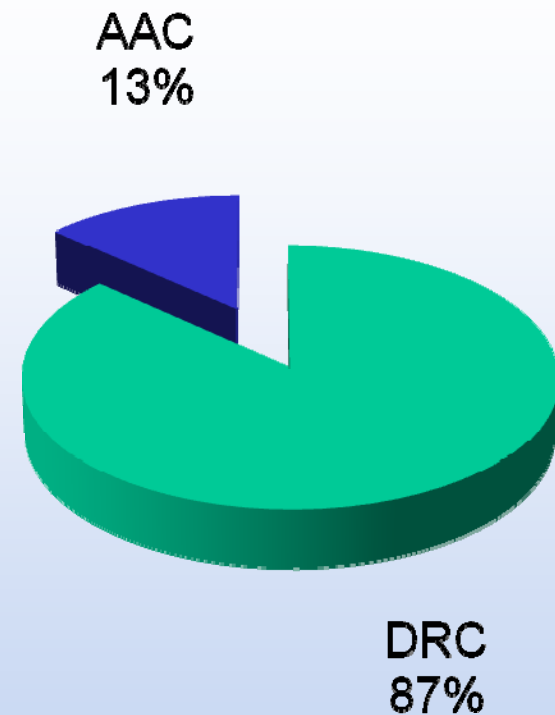
# GRC and DRC (2009)



GRC            **£25.6 billion**

DRC            **£23.1 billion**

DRC Change 2009-19  
**-£986.7 million**



# Spend or Save?



From 2009 to 2019:

Authorities will spend   £1,225M

Budget needed for steady RCI       £1,676M

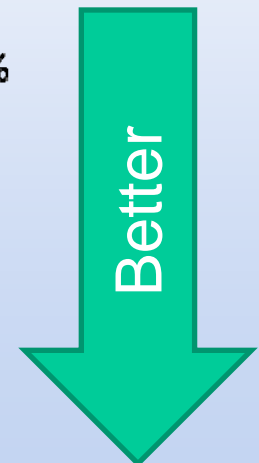
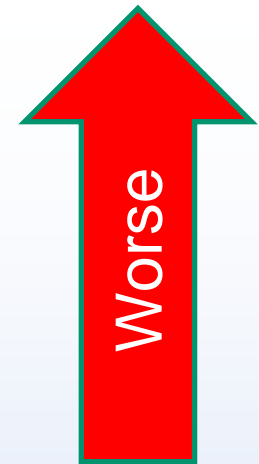
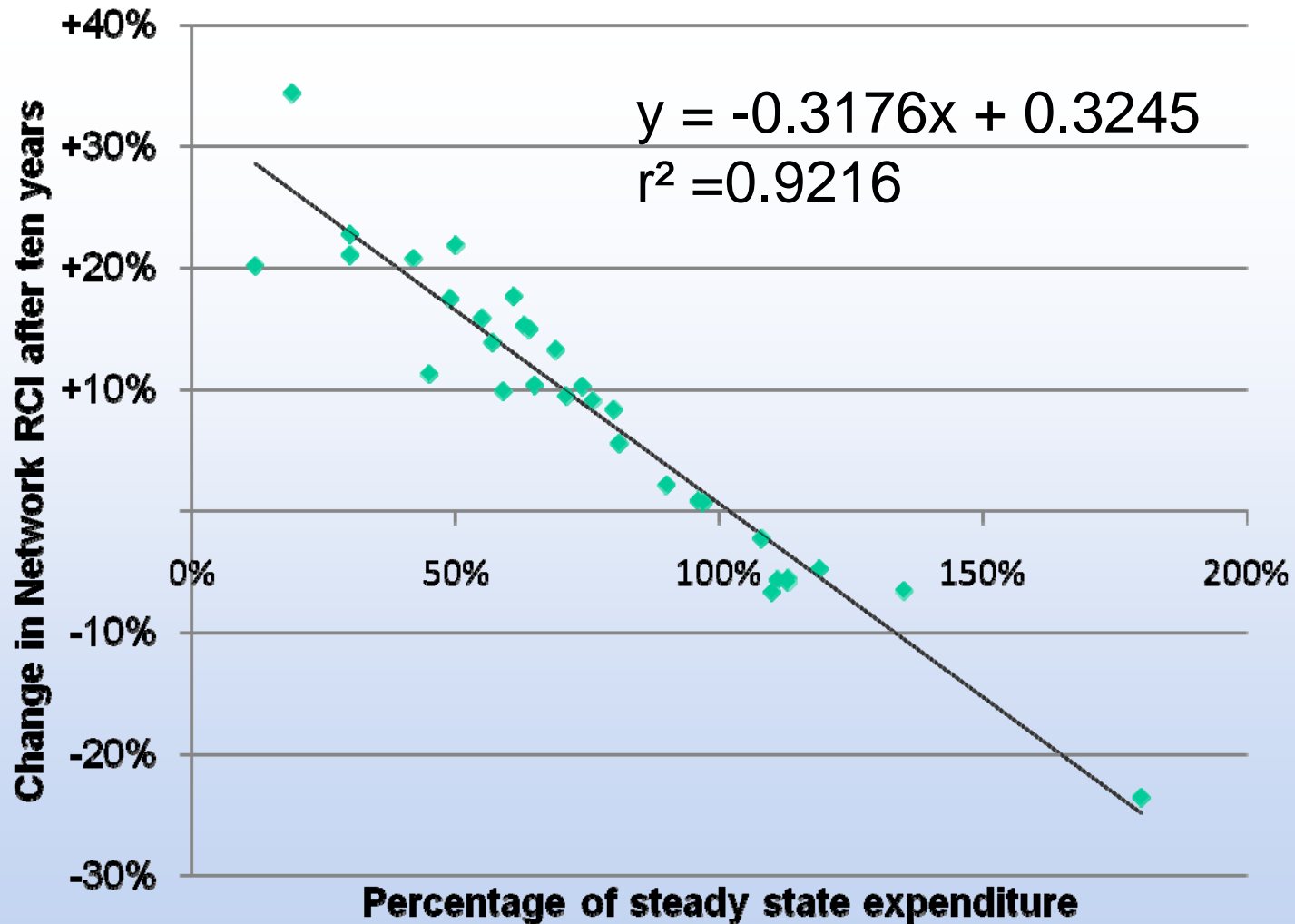
Allowing the RCI to rise saves       £451M

Value of network falls by       £987M

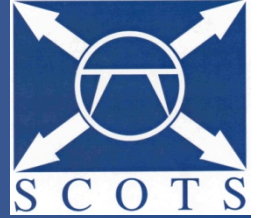
Nett loss to Scottish Authorities =   £536M

Plus RCI rises by 14%

# Effect of Budget on RCI



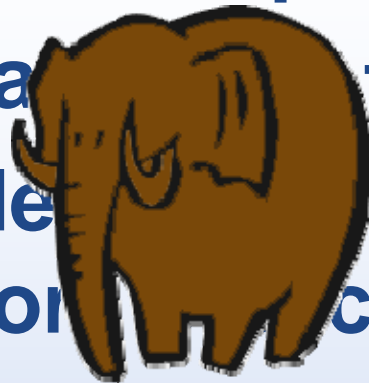
# Lessons Learnt



# The Project - L<sup>2</sup>



- **The Chocolate Elephant**
- **Having a Plan for the outcome**
- **Lack of understanding -> more directed; more descriptive**
- **Money**
- **Need for support**
- **Iterative project**

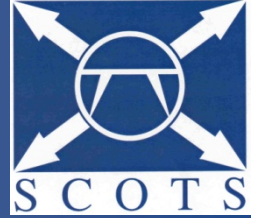


## The Project - L<sup>2</sup>

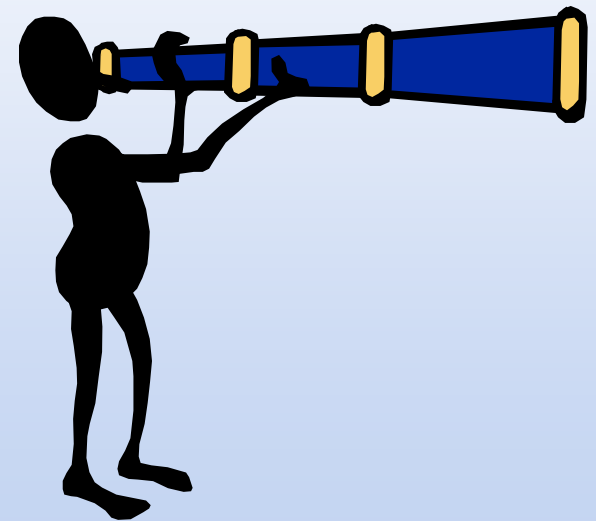
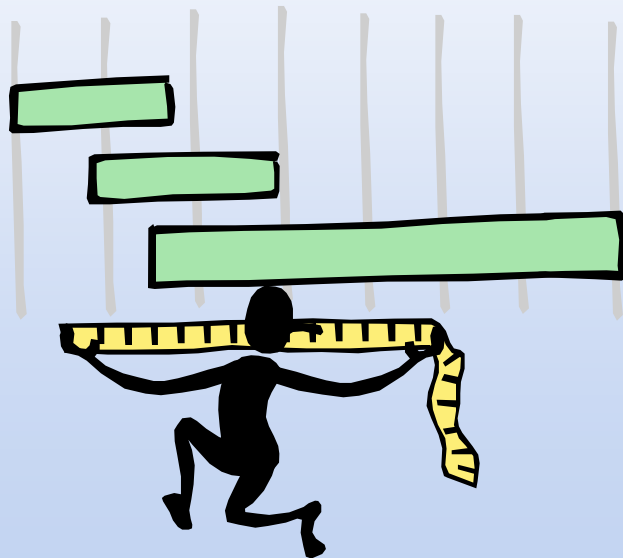


- **Engagement of stakeholders is vital**
- **Commitment of resources**
- **Commitment of Senior Management**
- **Data is the root of good AMP**
- **But not having data isn't a reason not to do**
- **Be pragmatic only collect what you need.**

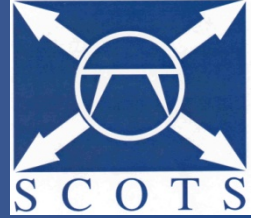
# The Future



- **Shared services and systems**
- **Research project - Tools to help deliver CIPFA Transport Asset Code**



# Questions?



Bill Barker

SCOTS Secretary / Treasurer



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