Upgrading to CADCORP SIS 9 – a workflow perspective

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Introduction

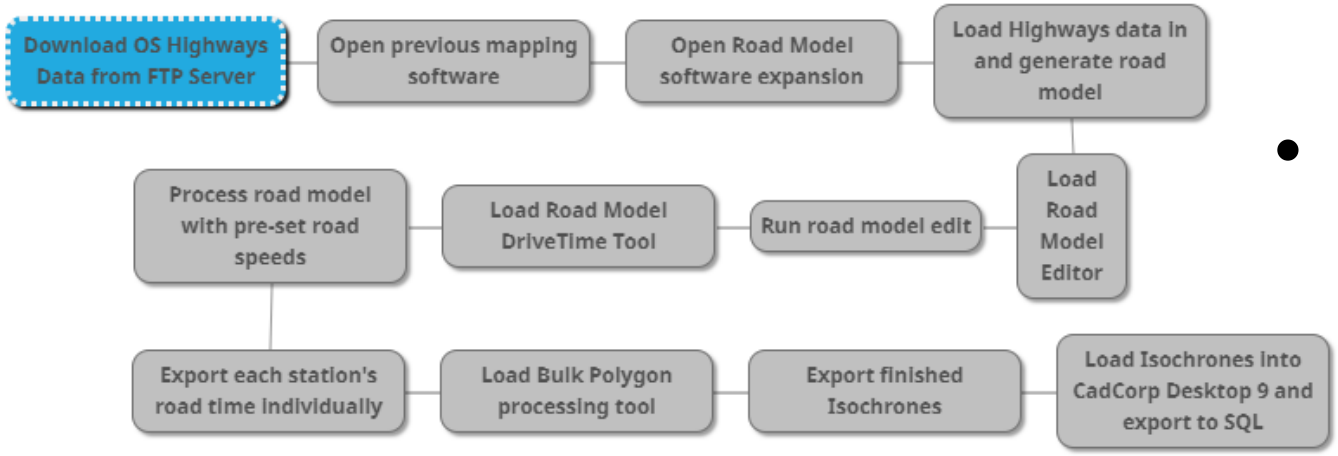
- Upgraded in October 2018
- Use Desktop, WebMap, and Geognosis
- Previously used in conjunction with 4 other GI analysis software's

Introduction

- 41 of 42 maintenance tasks moved over to only Cadcorp
- Move from custom systems to self-contained tools
- Most changes had no impact on changed system

Isochrones

Old Method

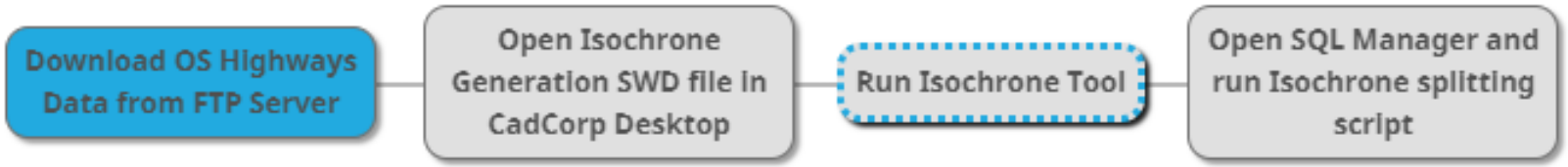


- Five software's/modules
- Entirely custom construction
- Lots of duplication

Isochrones

- Faster
- Simpler
- Fully supported

New Method



Isochrone Analysis

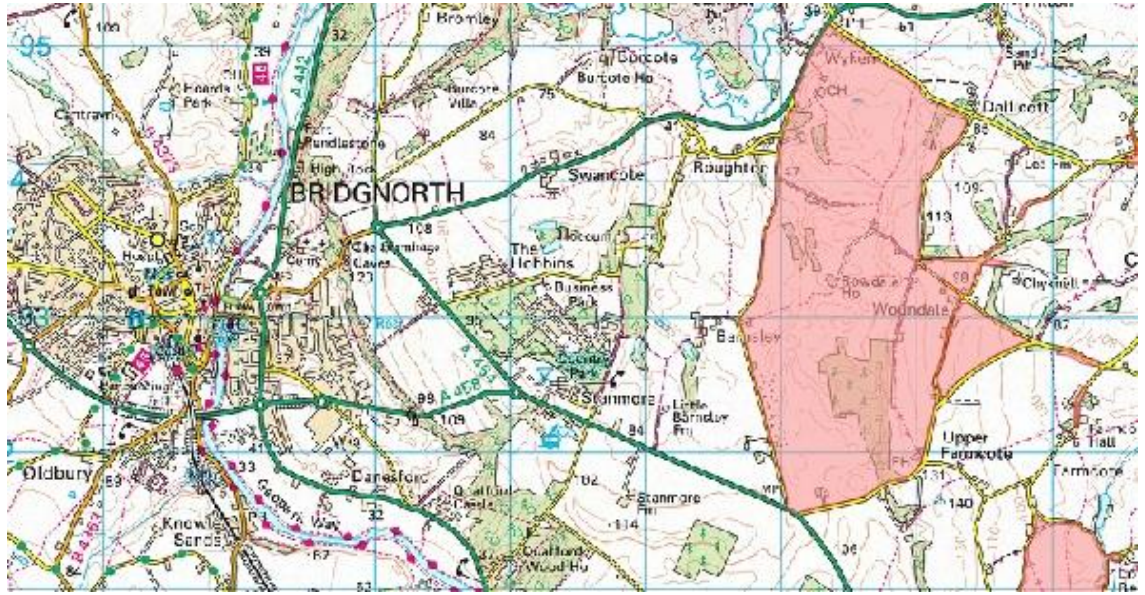
- Fast road closure analysis
- Real time results
- Rapid follow-up

Restricted Access Isochrones

- 1200 final isochrones generated
- 48 generation cycles under the old system

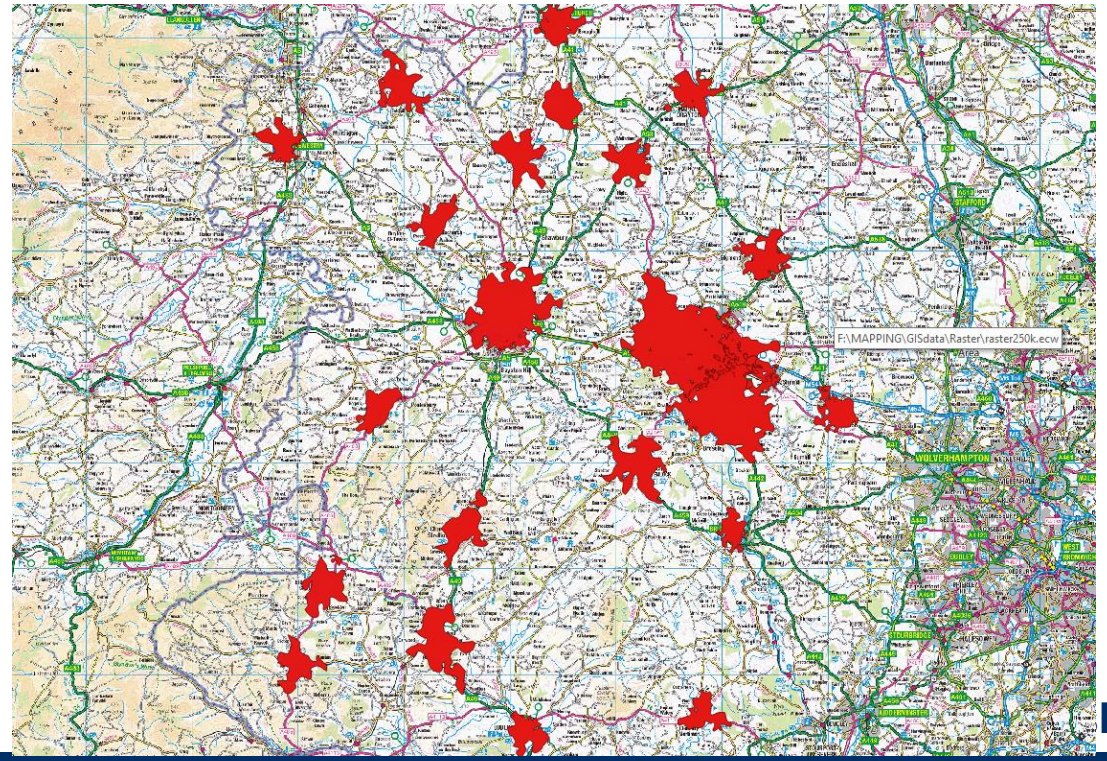
  – vs –

  6 on the new tool.

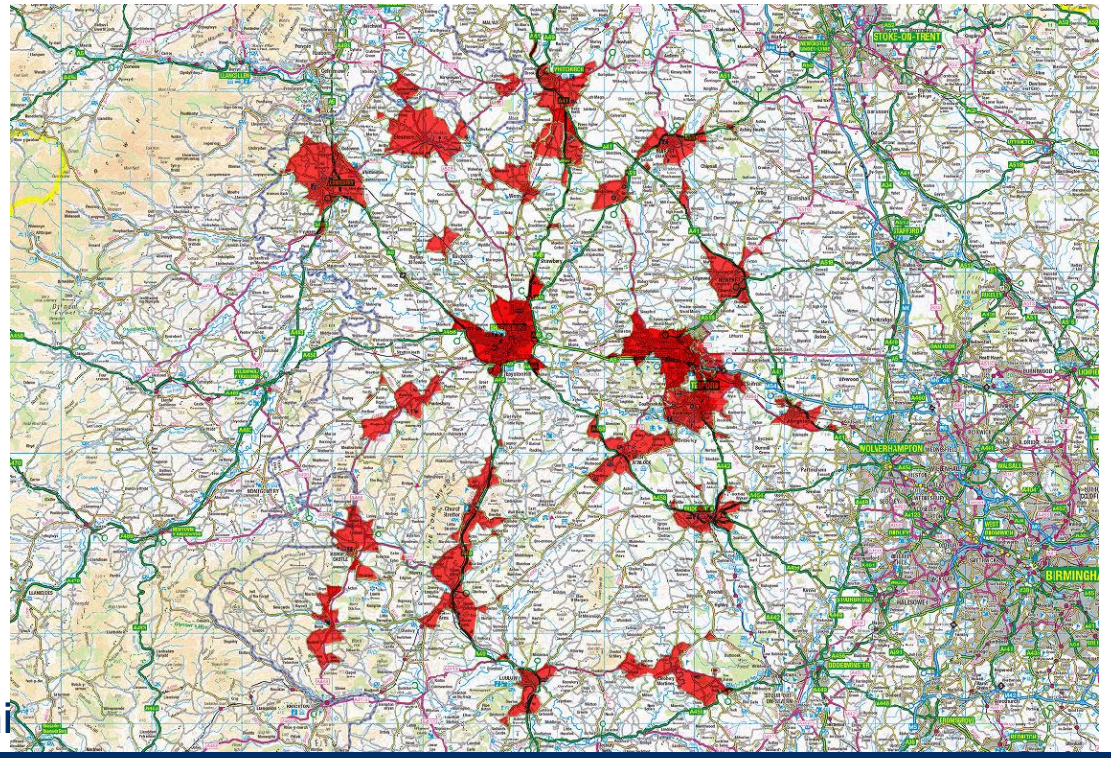


Isochrone Accuracy

Old 10 minute Isochrones



New 10 minute Isochrones



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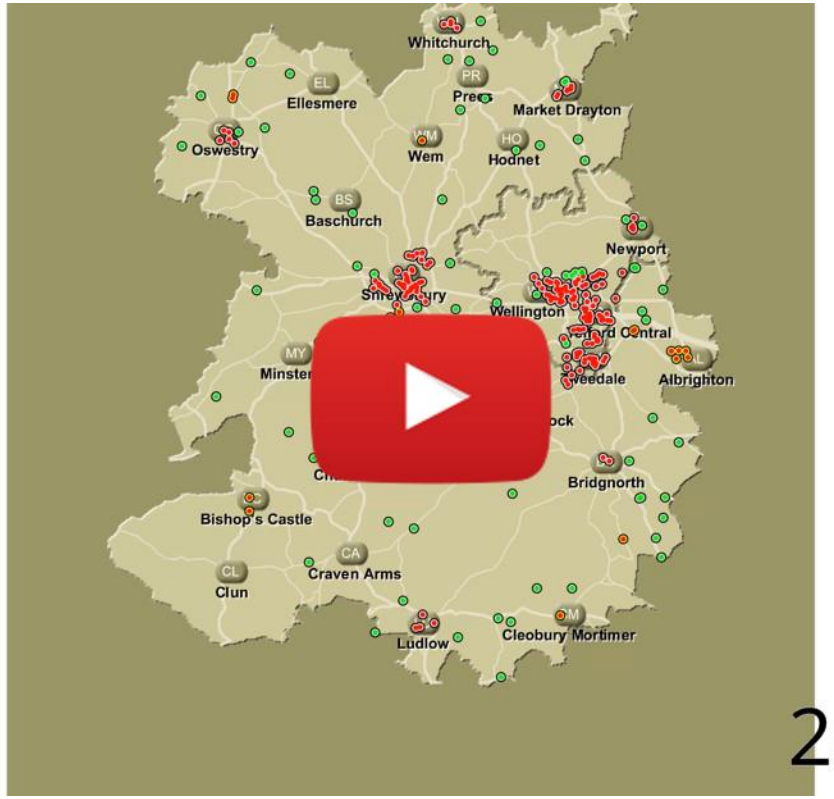
SQL

- Most data analysis scripts already exist
- Opens up the option of BI team cooperation
- Unified GI and numeric based analysis

Temporal Videos



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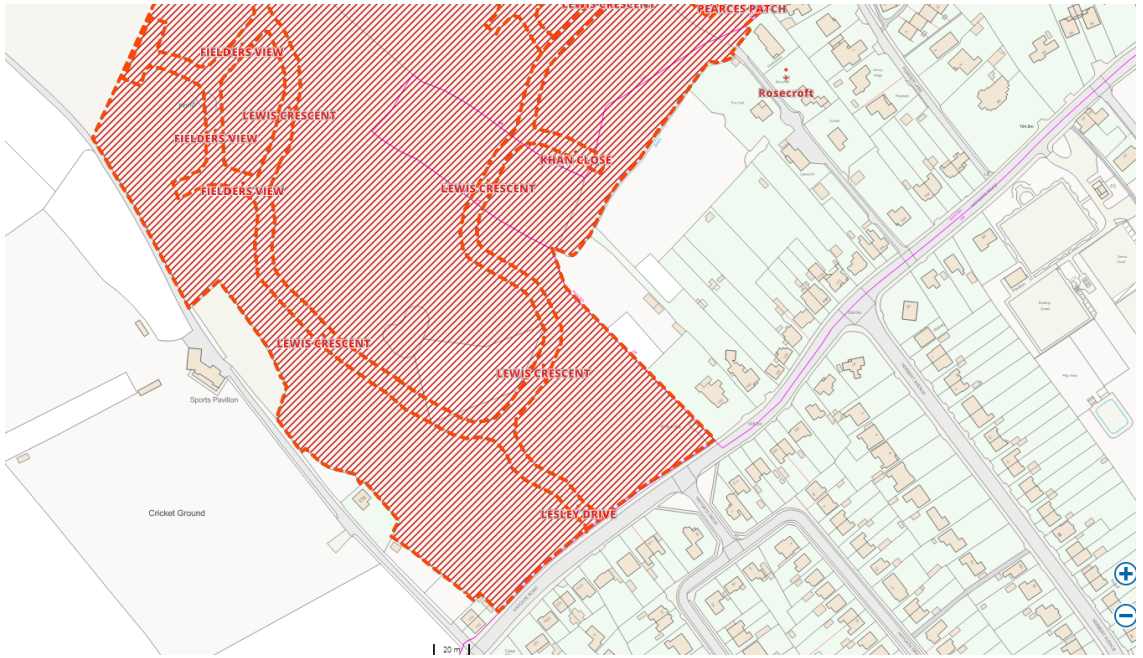
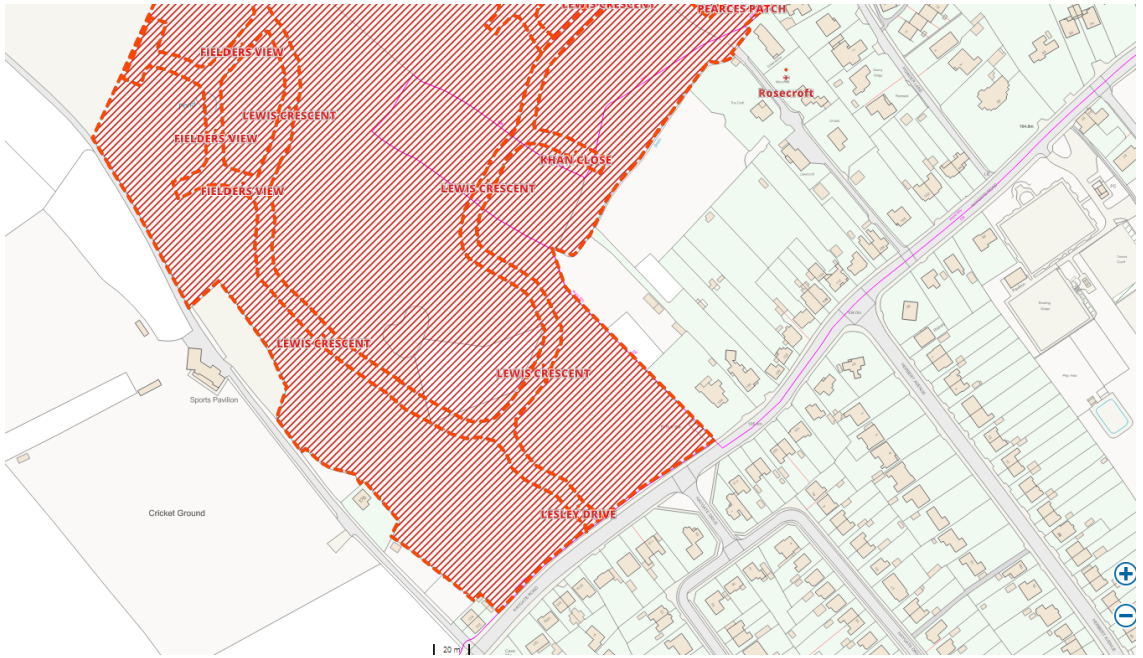
Redline Processes

- Old system was informal
- Relied on user knowledge for consistency
- Large duplication of effort



Redline Processes

- Streamlined process
- Faster, Simpler, Easier
- More consistent



CFRMIS Maps - Bivariate themes

- Accuracy vs readability
- At-a-glance data pre-analysis
- Part of a more complex data systems

CFRMIS Maps – Cluster Mapping

- Accuracy vs readability
- At-a-glance data pre-analysis
- Part of a more complex data systems

Conclusions

- Faster
- Simpler
- Easier

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