

# SATURN

## 2016 User Group Meetings

Epsom

Friday 4<sup>th</sup> November 2016

ATKINS

Dirck Van Vliet



UNIVERSITY OF LEEDS



# Programme

## Morning Session

11.00 - SATURN News

11.15 - Presentations

- SATURN – The first 40 years
- SatCoder – Making junction coding easier
- Visualising SATURN outputs with SatView
- Faster Assignments with SATGPU

12.45 - Lunch

## Afternoon Session

14.00 - Presentations

- ITO Motion: Advanced Visualisation for SATURN Users, *ITO World*.
- Area Tolling using SATURN, *TfL*

15.15 - Tea & Cakes

15.40 – Presentations

- Modelling Motorway Merges (Part 2), *CH2M Hill*

16:00 – User Requests

16.15 – Close

# Release Schedule

## Recent SATURN Releases

Continuation of 11.3.xx series

Current release v11.3.12U

- Bug fixes
- Adopted as a 'standard' release

Next incremental release 11.3.12W

- Floating Point Errors + further UFO revisions

Next major release 11.4.xx

- Updates to simulation
- improved convergence

Version	Date	Release
11.3.12U	November 2015	XEXES only
	August 2016	Full Installer
11.3.12V	April 2016 onwards	Hot fixes for specific users
11.3.12W	November 2016	Full Installer
11.4.xx	December 2016 (target)	Full Installer



# Recent Developments

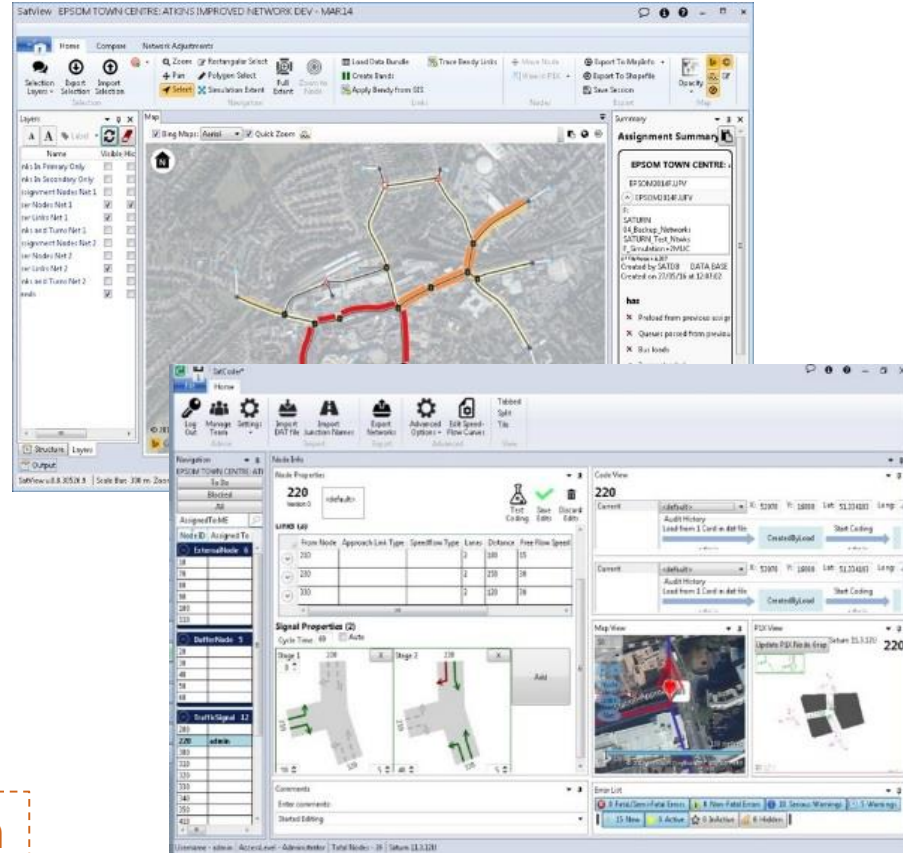
## SatView

- Latest Release v1.16 (Sep'16)
  - Improved bendy links tool

## SatCoder

- Latest Release v1.3 (Oct'16)
  - First full release

Provided under FY16/17 User Agreements



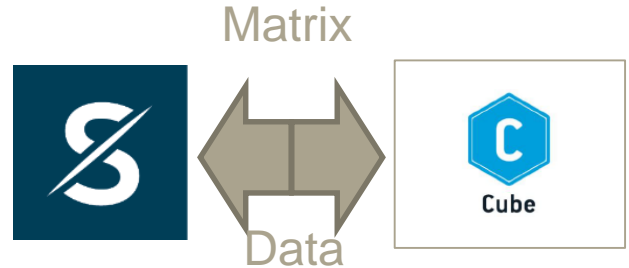
# Recent Developments (ii)

## SATOMX

- Developed in Spring'16 for TfL
- Open binary matrix format
- Smaller file sizes, faster read/write, stacked UC
- Part of SATURN v11.4

## SATGPU Beta

- Collaborative R&D Project using GPU technology
- Up to 5x faster than Multi-Core on standard PC desktop
- Further performance gains to come



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# SATURNnext Programme

## Early Access for Users

As a SATURN*next* member:

- early hands on experience of potential new features
- chance to influence development
- working more closely with SATURN development team
- potential resolution of in-house IT “problems” before Release

### Tasks undertaken in last 12 months

- Pre-release testing for SatView and SatCoder
- Trialling new Digital Licencing mechanism
- SATURN OMX testing

### Additional members sought

- Requires some inputs from you too!



# Administration

## New User Agreements

- Up-to-date licence
- Replaces all existing agreements
- Provides access to subscription software
- Reduce administration / increased flexibility

## Digital Licencing

- Required for SatView and SatCoder
- Controls access and activations at organisation level
  - # of users and activations set by Licence
  - Details provided to IT Department

# Training Courses

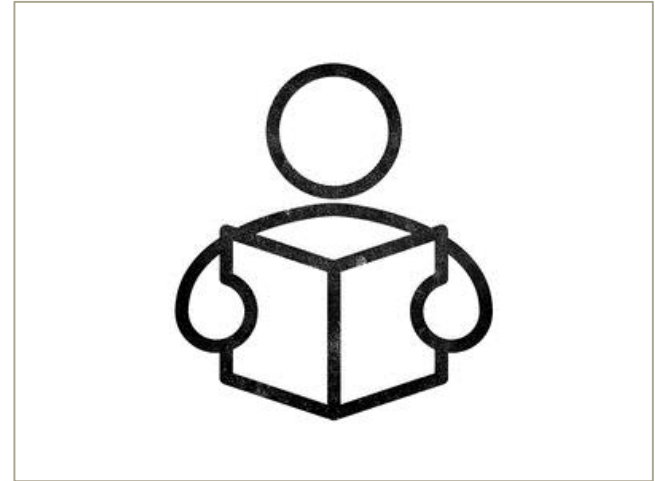
## Introduction to SATURN Course

3-day course for new and beginner users

Forthcoming dates:

- February 2017
- September 2017

(Both Epsom-based)



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More information on the [new SATURN Website](#)



# Administrative Details

## Housekeeping

E-mails:

- Support e-mail: [saturnsoftware@atkinsglobal.com](mailto:saturnsoftware@atkinsglobal.com)
- Next programme: [saturnnext@atkinsglobal.com](mailto:saturnnext@atkinsglobal.com)
- Mailing List: [saturnmail@atkinsglobal.com](mailto:saturnmail@atkinsglobal.com)

SATURN support telephone number **01372-756755**

FTP site available to exchange model files for support queries

## Key Dates

Christmas Break: Closing Wed 21<sup>st</sup> Dec, Re-opening Mon 4<sup>th</sup> Jan

November 2016: User Group Meetings *Leeds (2<sup>th</sup> Nov) & Epsom (4<sup>th</sup> Nov)*

v11.3.12W Release

December 2016: v11.4 Release (Target)

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