Introduction to SIDRA API WORKSHOP

Rahmi Akçelik

Presentation at the SIDRA API Workshop
Melbourne, November 2018

Updated: 2 May 2019

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SIDRA API WORKSHOP Program

1.30 pm	Welcome and opening Introduction to SIDRA API WORKSHOP Rahmi Akçelik, SIDRA SOLUTIONS
1.45 pm	An introduction to using API for SIDRA INTERSECTION 8 and VOLUMES Utility Mark Besley, SIDRA SOLUTIONS
2.00 pm	Presentations of practical SIDRA API examples ○ SIDRA BATCH Python sample program using SIDRA API Harry Cai, SIDRA SOLUTIONS ○ Aimsun – SIDRA Interface Mohammad Saifuzzaman, Aimsun – A Siemens Company ○ Tracks – SIDRA Link Grant Smith, Transportation and Traffic Systems Ltd
3.00 pm	Afternoon Tea
3.20 pm	Presentations of practical SIDRA API examples ○ Using SIDRA API for EMME and DYNAMEQ Paul van den Bos, Freelance Transport Modeller ○ GTASIDRA - A Process Integrator Luca Rosati and Rebecca Strachan, GTA Consultants
3.50 pm	Discussion on user needs and API development
4.20 pm	Workshop evaluation and closing
4.30 pm	End of SIDRA API Workshop

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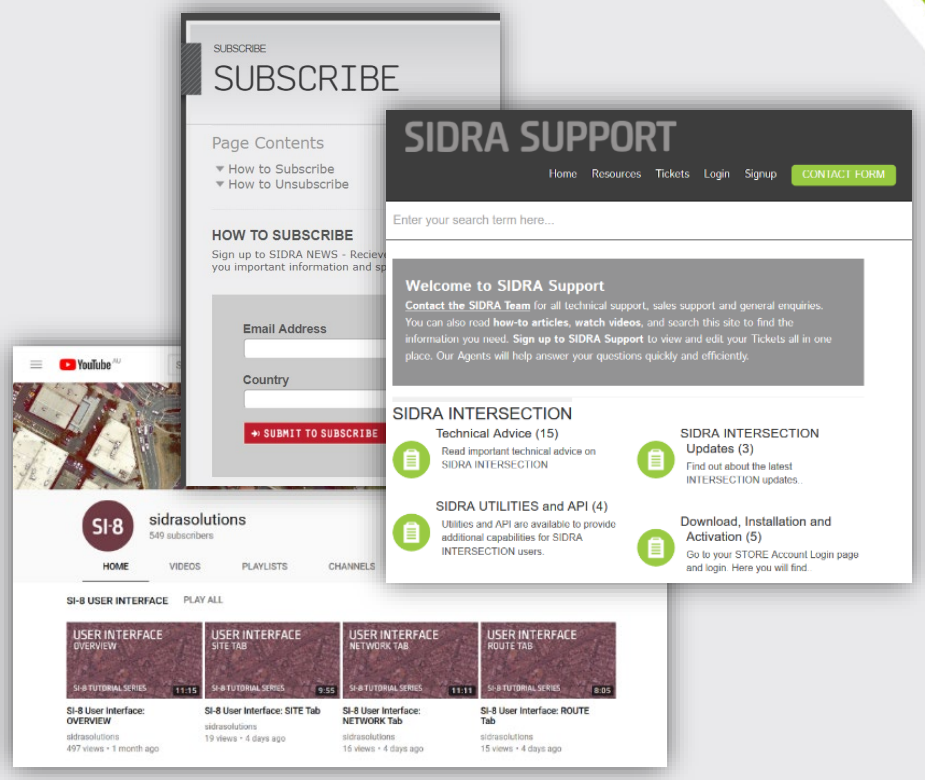
Delegates attending

- VicRoads: 5
- RMS NSW: 2
- QLD TMR: 1
- 16 consultancies: 20
- SIDRA SOLUTIONS: 12

- Traffic Modeller / SIDRA User
- Transport Planner / Strategic Transport Model User
- IT Support / Software Engineer

SIDRA SOLUTIONS Website

- **Subscribe** to SIDRA NEWS
- **SUPPORT system**
  (Technical and Sales)
- **YouTube** Channel for latest
  TUTORIAL and SUPPORT videos
  on all our software:
  www.youtube.com/sidrasolutions
- **Training & Events**
  More than **350** training workshops with over **6400** delegates attending during 2000 - 2019



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Documentation: Articles Page and Research Gate

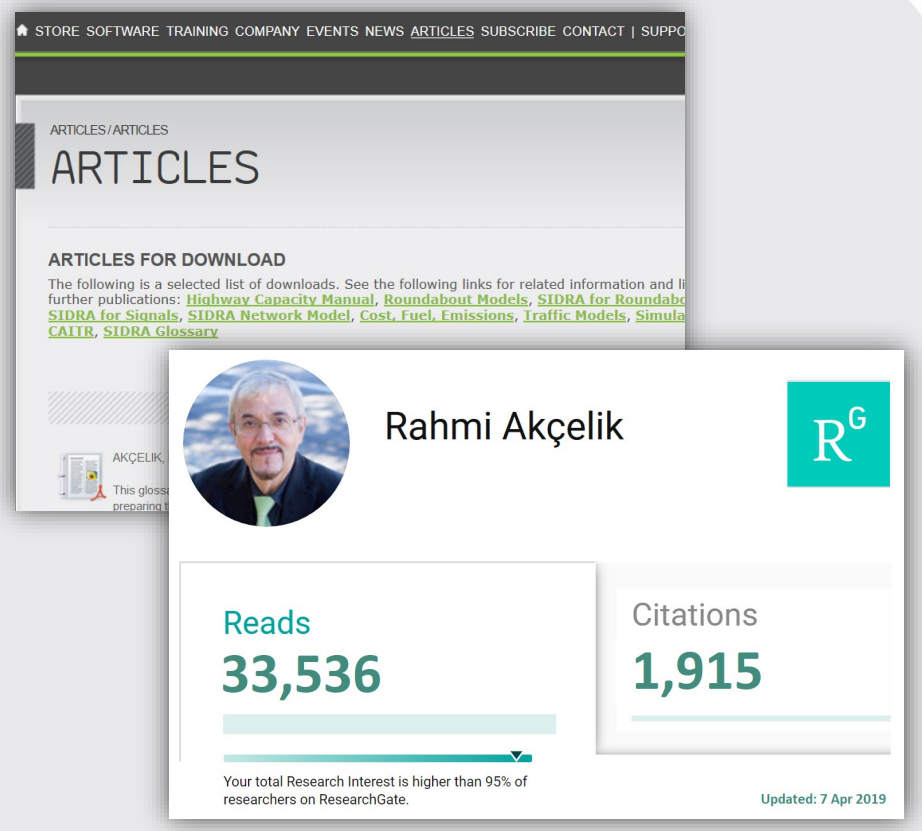
Articles:

- sidrasolutions.com
  ARTICLES page
- RESEARCH GATE

Software Training:

sidrasolutions.com/Training/Directory

- SIDRA MODEL Fundamentals



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SIDRA INTERSECTION: Strong Research Base

Empirical and theoretical methods combined ...

20 years at Australian Road Research Board
20 years at Akcelik & Associates (1999 – 2019)

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SIDRA INTERSECTION network model background

First released in 1984

Continuous development
in response to user feedback

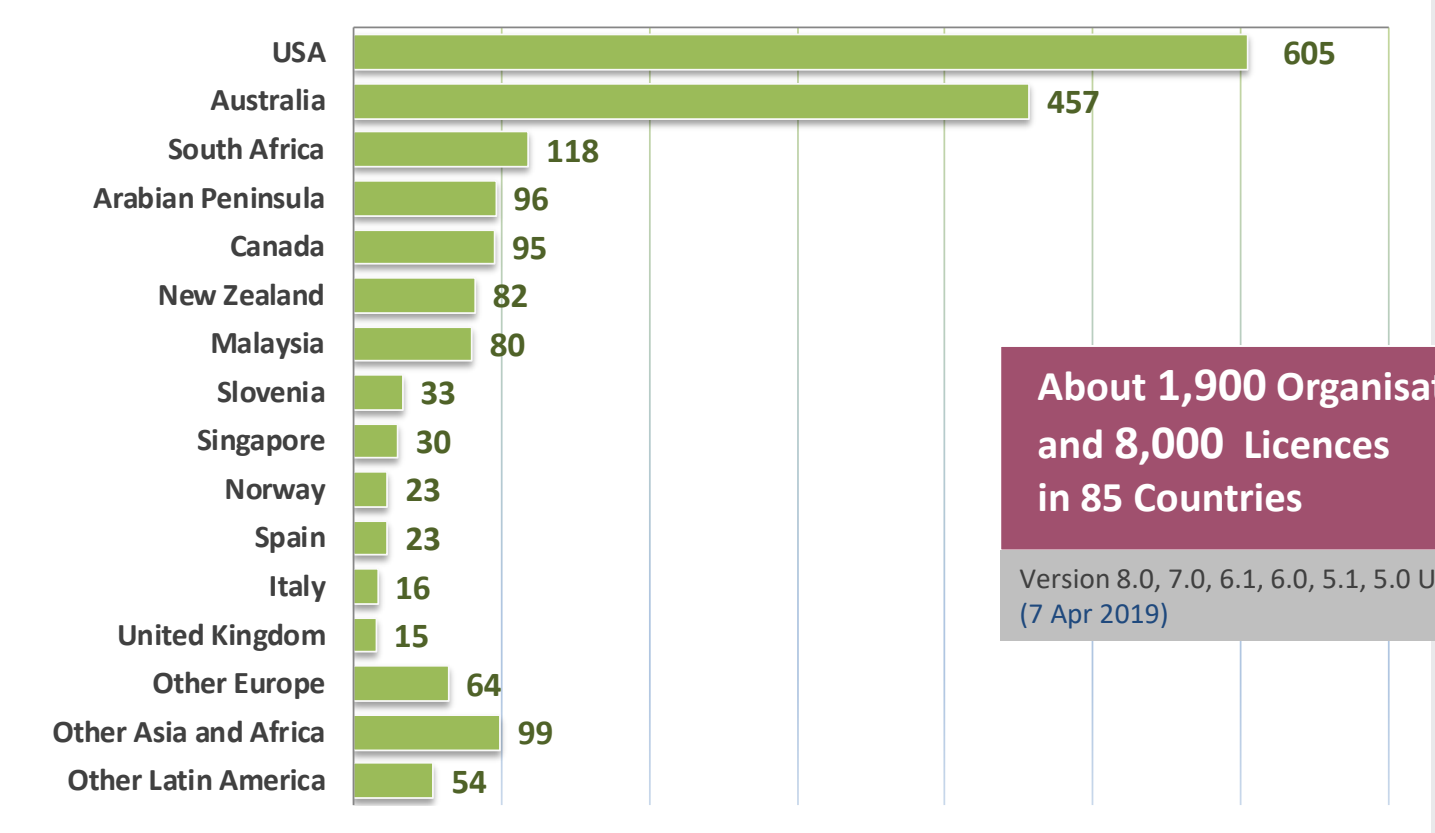
SIDRA INTERSECTION 8

Versions 6.0 | 6.1 | 7.0 | 8.0
released during April 2013 - 2018

Biggest changes in the 35-year history of the software

- Network Model
- Network Timings
- Routes
- Movement Classes
- Workflow Efficiency

SIDRA INTERSECTION Users



About 1,900 Organisations and 8,000 Licences in 85 Countries

Version 8.0, 7.0, 6.1, 6.0, 5.1, 5.0 Users Only
(7 Apr 2019)

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SIDRA INTERSECTION API, UTILITIES and LINKS

Links with other software:

- **TORUS**
- **AIMSUN**
- **TRACKS**

SIDRA SOLUTIONS Support website:

- **VOLUMES Excel utility**
- **API sample programs (C#, C++ and Python)**

https://support.sidrasolutions.com/support/solutions

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END OF PRESENTATION

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