

TTT 8888 2222 _____ 8888 10 10 10 Automatic generalisation for production **Nicolas Regnauld**



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Outline

A few words on 1Generalise Automation: how far can we push it? Using 1Generalise for research



1Generalise: Building on expertise gained from 20+ years of close relationships with NMAs

20 year of experience	e in Generalisation			
 OO database Explicit topology Agent Generlisation algorithms 	 Expertise in building Scalability Resilience Rule-based process Web Service Web-based client For configuration 	Enterprise Systems New features		generalise
		 Built-in partitioning National load Change only updates Reusable components Predefined flowline Dual viewer 	r	



Rule based actions





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Built-in partitioning mechanism

Parallel processing for large jobs Change only updates



Large jobs (national load)



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Change only updates





Summary

- Dedicated application for generalisation
 National load change only update
- Production ready
 Scalable and resilient
- Can be integrated in any system
 Service Oriented Architecture
- Easy to configure and use
 Rule-based action editor
 Reusable components, predefined flowline



Automation: how far can we go?





Free access to 1Generalise for research?

- Server hosted at 1Spatial
- User configures 1Generalise using a web browser, adding their own rules
- User may run their Flowlines
 - Through the UI
 - Using web service calls
- ➢ Data?
 - Installed on a server at 1Spatial
 - Accessed remotely
- Support through a forum?
- What would you want to do with it?
 - Research on generalisation low level tools?
 - Research on using generalisation in more complex applications (thematic maps on demand?)



Tennyson House Cambridge Business Park Cambridge CB4 OWZ United Kingdom Tel. +44(0)1223 420414 1Spatial.com

Thank you

Contact: Nicolas Regnauld Product Manager Email: <u>nicolas.regnauld@1spatial.com</u>