Tuesday May 9

8.30-17.00	Registration VIP room Ground floor	Forum, room 31,34
9.30-17.00	**Workshops**	Forum
10.30-11.00	Coffee break	Forum, bridge 5th floor
12.30-13.30	Lunch	Orion, The Spot
13.30-17.00	**Workshops**	Forum
15.00-15.30	Tea break	Forum, bridge 5th floor
18.00-20.00	**Ice breaker reception Hotel de Wereld**	Hotel De Wereld
	Welcome to Wageningen! Mayor G.J.M. van Rumund	
20.00	ESRI welcome reception <u>workshop</u> participants	*Café Loburg*

Wednesday May 10

8.30-17.00	Registration VIP room Ground floor	Forum, room 31,34
9.00-9.30	**Opening AGILE conference 2017** *Arnold Bregt, Ron van Lammeren*	Forum C0222
9.30-10.30	**Keynote Prof. Dr. Arthur Mol**	Forum C0222
	moderators: Arnold Bregt Ron van Lammeren	
	Societal Geo-Innovation: **Geo-information and Food Security**	
	An overview of the current food security issues. The role of geo-information in monitoring and predicting yields and the support of agricultural practices in different regions. Outlook on the role of geo-information given environmental issues.	
10.30-11.00	Coffee break	Forum, 2nd Floor
11.00-12.30	**Parallel sessions**	Forum
12.30-13.30	Lunch	Orion, The Spot
13.30-14.30	20 Years AGILE	Forum C0222
14.30-15.30	**Best Short papers**	Forum C0222
	Moderators: Marinos Kavouras, Robert Weibel	
	Supporting Dynamic Labeling in Web Map Applications (Thomas Brinkhoff)	
	Energy-based Routing and Cruising Range Estimation for Electric Bicycles (Simon Haumann, Dominik Bucher and David Jonietz)	
15.30-16.00	Tea break	Forum, 2nd Floor
16.00-17.30	**Parallel sessions**	Forum
18.30	**Social events**	Campus
	Art & Archtecture walk. Start in fornt of Orion	Orion
	Ferry to ferry Cycling tour: start in front of Forum	Forum
	5Km Georun: start in front of De Bongerd Sports Center	De Bongerd

Thursday May 11

5.30	**Early Bird excursion**	Hotel de Wageningse Berg
8.30-17.00	Registration VIP room Ground floor	Forum, room 31,34
9.00-10.00	**Keynote Prof. Dr. Daniel Sui**	Forum C0222
	Moderator: Claudius van de Vijver	
	Societal Geo-Innovation: **Geo-information and Public Health Quality**	
	An overview of the current public health quality issues. The role of geo-information in monitoring and predicting diseases /epidemics and the support of health quality in different regions. Outlook by the new roles of geo-information sciences	
10.00-10.30	Coffee break	Forum, 2nd Floor
10.30-12.30	**Parallel sessions**	Forum
12.30-13.30	Lunch	Orion, The Spot
13.30-14.00	**Pitch & Booth Business partners**	Forum, C0222
	Moderator: Wies Vullings	
14.00-15.00	**AGILE Annual meeting**	Forum C0222
	Moderator: Marek Baranowski	
15.00-16.00	**Poster sessiosn (& tea)**	Forum, Ground Floor
	Moderator: Jandirk Bulens	
16.00-17.30	**Parallel sessions**	Forum
18.30	**Gala Dinner, course-to-course walking diner**	Start City Hall, Wageningen

Friday May 12

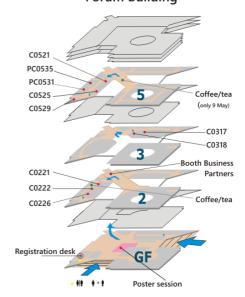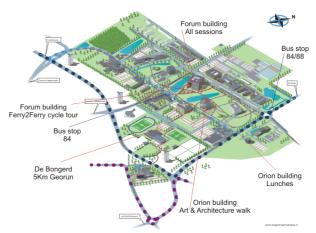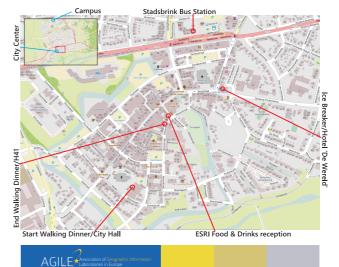|		
8.30-14.00	Registration VIP room Ground floor	Forum, room 31,34
9.00-10.00	**Keynote Prof. Dr. Marketta Kyttä**	Forum C0222
	Moderators: Ron van Lammeren, Arnold Bregt	
	Societal Geo-Innovation: **Geo-information and Participatory Planning**	
	An overview of the current participatory planning issues. The role of geo-information in supporting such planning practices in different regions. Outlook on geo-information demands from participatory planning given the Next generation of Digital Natives (who are raised with the latest location based services as VR, AR and social media on smartphones).	
10.00-10.30	Coffee break	Forum, 2nd Floor
10.30-12.00	**Best Full Papers**	Forum C0222
	Moderators: Martin Raubal, Michael Gould	
	3D Building Maps for Everyone—Mapping Buildings Using VGI (Laura Knoth, Bernhard Vockner and Manfred Mittlboeck)	
	Follow the signs - countering disengagement from the real world during city exploration (Markus Konkol, Christian Kray and Morin Ostkamp)	
	Beyond Pairs: Generalizing the Geo-dipole for Quantifying Spatial Patterns in Geographic Fields (Rui Zhu, Phaedon Kyriakidis and Krzysztof Janowicz)	
12.00-13.00	**Closing session, Awards, Announcing AGILE 2018**	Forum C0222
	Moderators: Arnold Bregt, Ron van Lammeren	
13.00-14.00	Lunch	Orion, The Spot

AGILE 2017 — Wageningen 9-12 May, The Netherlands — Societal Geo-Innovation

Forum Building

Programme AGILE 2017 Full & Short Paper presentations

Wednesday Parallel Sessions -Track 1 – May 10	Wednesday Parallel Sessions -Track 2 – May 10	Thursday Parallel Sessions -Track 3 - May 11	Thursday Parallel Sessions -Track 4 - May 11
Room C0221: 11.00-12.30	**Room C0221 16.00-17.30**	**Room C0221 10.30-12.30**	**Room C0221 16.00-17.30**
Track 11: Spatial-Temporal Perception *Moderators: Robert Weibel, Arend Ligtenberg*	*Track 21: Spatial-Temporal Perception* *Moderators: Tiina Sarjakoski, Margarita Kokla*	*Track 31: Spatial-Temporal Analysis* *Moderators: Toshihiro Osaragi, Joao Moura Pires*	*Track 41: Spatial-Temporal Analysis* *Moderators: Arend Ligtenberg, Wolfgang Reinhardt*
Reference Resolution for Pedestrian Wayfinding Systems (Jana Götze and Johan Boye)	Perspectives in externalizations of mental spatial representations (Heinrich Löwen, Angela Schwering, Jakub Krukar and Stephan Winter)	Modelling actors' influence on land use change: a dynamic systems approach (Dmitry Kovalevsky, Richard Hewitt)	On Measures for Groups of Trajectories (Lionov Wiratma, Marc van Kreveld and Maarten Löffler)
Residential choices as a driving force to vertical segregation in Whitechapel (Shlomit Flint)	Personal dimensions of landmarks (Eva Nuhn, Sabine Timpf)	Multi-Domain Master Spatial Data Management for Open SII in Indonesian Smart Cities (Agung Indrajit, Bastiaan van Loenen and Peter van Oosterom)	The Effect of Regional Variation and Resolution on Geosocial Thematic Signatures for Points of Interest (Grant McKenzie and Krzysztof Janowicz)
Towards landmark-based instructions for pedestrian navigation systems using OpenStreetMap (Anita Graser)	Investigating representations of places with unclear spatial extent in sketch maps (Vanessa Joy Anacta, Mohammed Imaduddin Humayun, Angela Schwering and Jakub Krukar)	Convolutional Neural Networks for the Extraction of Built-Up Areas from Sentinel-2 Images (Khelifa Djerriri, Reda Adjouj and Dalila Attaf)	Distance Measure Based on Spatiotemporal Coexistence of Residents and Its Application to Urban Analysis (Toshihiro Osaragi and Ayaka Murakami)
		Smart city trends and ambitions (lisanne de wijs, Patrick Witte, Daniel de Klerk and Stan Geertman)	
Room C0226	Room C0226	Room C0226	Room C0226
Track 12: Spatial-Temporal Analysis *Moderators: Thomas Brinkhof, Bastiaan van Loenen*	*Track 22: Spatial-Temporal Analysis* *Moderators: Sven Casteleijn, Wolfgang Reinhardt*	*Track 32: Spatial-Temporal Analysis* *Moderators: Robert Weibel, Tapani Sarjakoski*	*Track 42: Spatial-Temporal Analysis* *Moderators: Christopher Schlieder, Lex Comber*
When Granules are not enough in a Theory of Granularities (Ricardo Almeida Silva, João Moura Pires and Maribel Yasmina Santos)	A graph-based strategy for matching points-of-interests from different VGI sources (Tessio Novack, Robin Peters and Alexander Zipf)	Towards automatic large-scale 3D building reconstruction: Primitive decomposition and assembly (Hai Huang and Helmut Mayer)	Locating the position of a scenario projection in solution space (Judith Verstegen, Floor van der Hilst and Derek Karssenberg)
Using a generic spatial access method for caching and efficient retrieval of vario-scale data in a server-client architecture (Adrie Rovers, Martijn Meijers and Peter van Oosterom)	A homogeneity test for spatial point patterns (M. Virtudes Alba-Fernández and Francisco J. Ariza-López)	Geographically Weighted Structural Equation Models: understanding the spatial variation of latent variables and drivers of environmental restoration effectiveness (Lex Comber, Ting Li, Yihe Lü, Bojie Fu and Paul Harris)	Massively Parallel Simulations of Agent-based Spatial Interaction: A Many-core Computing Approach with Spatial Big Data (Zhaoya Gong, Wenwu Tang and Jean-Claude Thill)
Development of a new and open approach to dissolve polygons storing count data based on areal threshold (Marcello Schiavina and Sergio Freire)	Micro Diagrams: A Multi-Scale Approach for Mapping Large Categorised Point Datasets (Mathias Gröbe and Dirk Burghardt)	Bridging the gap between function and cover in spatially explicit land-use models: The LUISA approach (Chris Jacobs-Crisioni, Vasco Diogo and Claudia Baranzelli)	Using Machine Learning Gradient Boosting to model commercial activities (Ricardo Barranco)
		3D Reconstruction of a Landslide by Application of UAV & Structure from Motion (Sharad Kumar Gupta and Dericks Shukla)	
Room C0521	Room C0521	Room C0521	Room C0521
Track 13: Spatial-Temporal Perception *Moderators: Javier Nogueras, Marek Baranowski*	*Track 23: Spatial-Temporal Analysis* *Moderators: Carlos Granell, Joao Moura Pires*	*Track 33: Spatial-Temporal Perception* *Moderators: Ali Mansourian, Edward Verbree*	*Track 43: Spatial-Temporal Perception* *Moderators: Joaquin Huerta, Fred Toppen*
Towards evaluating the mobile crowdsourcing of geographic information about human settlements (Benjamin Herfort, Marcel Reinmuth, João Porto de Albuquerque and Alexander Zipf)	A Semantic Modeling of Moving Object Data to Detect the Object's Remarkable Behaviors (Mojdeh Soltan Mohammadi, Isabelle Mougenot, Thérèse Libourel and Christophe Fagot)	Personal Activity Centres and Geosocial Data Analysis: Combining big data with small data (Colin Robertson, Rob Feick, Martin Sykora, Ketan Shankardass and Krystelle Shaughnessy)	A Big Geo Data Query Framework to Correlate Open data with Social Network Geotagged Posts (Gloria Bordogna, Steven Capelli and Giuseppe Psaila)
One tool to spatialize all: sense of place, social capital and civic engagement (Albert Acedo, Germán Martín Mendoza Silva, Marco Painho and Sven Casteleyn)	Using SPARQL to describe GIS methods in terms of the questions they answer (Simon Scheider and Rob Lemmens)	Mining user-generated geographic content: An interactive, crowdsourced approach to validation and supervision (Frank Ostermann, Gustavo Adolfo García Chapeton, Menno-Jan Kraak and Raul Zurita-Milla)	Using geovisual reasoning to improve home location inference from cyclists' GPS traces: towards understanding the demographic representativeness of mobile sports tracking application data (Cecilia Bergman and Juha Oksanen)
Spatio-temporal Road Coverage of Probe Vehicles: a Case Study on Crowd-sensing of Parking Availability with Taxis (Fabian Bock, Yuri Attanasio and Sergio Di Martino)	Assessing accuracy and geographical transferability of machine learning algorithms for environmental modelling (Fabio Veronesi, Athina Korfiati, René Buffat and Martin Raubal)	What you mark is where it was. A user-centric approach for post-hoc georeferencing of urban terrestrial photos (Holger Fritze, Auriol Degbelo and Steffen Loos)	Exploring indoor movement patterns through eduroam connected wireless devices (Simon Griffioen, Martijn Vermeer, Balázs Dukai, Stefan van der Spek and Edward Verbree)
		FeaturEyeTrack: A Vector Tile-Based Eye Tracking Framework for Interactive Maps (Fabian Göbel, Peter Kiefer and Martin Raubal)	
Room C0525	Room C0525	Room C0525	Room C0525
Track 14: Spatial-Temporal Analysis *Moderators: Lex Comber, Ali Mansourian*	*Track 24: Spatial-Temporal Analysis* *Moderators: Didier Josselin, Petter Pilesjö*	*Track 34: Spatial-Temporal Analysis* *Moderators: Petter Pilesjö, Didier Josselin*	*Track 44: Spatial-Temporal Analysis* *Moderators: Frank Osterman Marco Painho*
Property Damage and Evacuation Risk in Tokyo Metropolitan Area at a Large Earthquake (Maki Kishimoto, Toshiriro Osaragi, Takuya Oki and Noriaki Hirokawa)	Integrity Assessment of a Worldwide Maritime Tracking System for a Geospatial Risk Analysis at Sea (Clément Iphar, Aldo Napoli and Cyril Ray)	Opportunities and requirements for implementing an irrigation monitoring and management platform in Costa Rica (Sytze de Bruin, José Francisco Aguilar Pereira, Rafael Arce Mesén and Eduardo Soto Quirós)	How do volunteer mappers use crowdsourced Mapillary street level images to enrich OpenStreetMap? (Levente Juhász and Hartwig Hochmair)
Geo-Visual Analytics for Pest Population Dynamics (Gustavo Adolfo García Chapeton and Frank Ostermann)	Cropland mapping from Sentinel-2 time series data using object-based image analysis (Ovidiu Csillik and Mariana Belgiu)	GIS model for potential soil erosion with the optimization of RUSLE equation. Case of study: olive oil PDO in Aragón and Andalucía Regions (Alejandro Barriuso-Mediavilla, Ernesto Salas-Tovar, Isabel del Bosque and Javier Sanz-Cañada)	Social media as a rainfall indicator (Yu Feng and Monika Sester)
A Geosimulation for the Future Spatial Distribution of the Global Population (Carsten Keßler and Peter J. Marcotullio)	The quality of thesauri used in geographic metadata (Dayany Díaz-Corona, Javier Lacasta and Javier Nogueras-Iso)	An application framework for exploring sustainability limits: The Brazil case (Pinelopi Kapetanaki and Peter Verweij)	Open source tools for locomotion and apprehension of space by visually impaired persons: some propositions to build a prototype based on Arduino, speech recognition and OpenStreetMap (Said Boularouk, Didier Josselin, Eitan Altman)
		High resolution satellite images for environmental monitoring of oil production in Western Amazon: the case of Yasuní National Park (Francesco Ferrarese, Salvatore Eugenio Pappalardo, Daniele Codato and Massimo De Marchi)	
Room C0222	Room C0222	Room C0222	Room C0222
Track 15: Spatial-Temporal Perception *Moderators: Rob Feick, Christopher Schlieder*	*Track 25: Spatial-Temporal Perception* *Moderators: Tapani Sarjakoski, Cidalia Fonte*	*Track 35: Spatial-Temporal Analysis* *Moderators: Cidalia Fonte, Rob Lemmens*	*Track 45: Spatial-Temporal Analysis* *Moderators: Sytze de Bruin, Hardy Pundt*
Dynamic Transfer Patterns for Fast Multi-modal Route Planning (Thomas Liebig, Sebastian Peter, Maciej Grzenda and Konstanty Junosza-Szaniawski)	Mining rainfall spatio-temporal patterns in Twitter: a temporal approach (Sidgley Andrade, Camilo Restrepo-Estrada, Alexandre Delbem, João Albuquerque and Eduardo Mendiondo)	A participatory spatial multi-criteria approach for flood vulnerability assessment (Mariana Madruga de Brito and Mariele Evers)	Point Cloud Based Visibility Analysis: first experimental results (Guanting Zhang, Peter van Oosterom and Edward Verbree)
Computing the least complex path for vehicle drivers based on classified intersections (Robert S. Sladewski, Andreas Keler and Andreas Divanis)	Identifying probable pathways of language diffusion in South America (Peter Ranacher, Curdin Derungs and Rik van Gijn)	Towards Smart Sketch Maps for Community-driven Land Tenure Recording Activities (Malumbo Chipofya, Sahib Jan, Carl Schultz and Angela Schwering)	Towards an Analytical Framework for Enriching Movement Trajectories with Spatio-Temporal Context Data (David Jonietz and Dominik Bucher)
Preliminary Assessment of the Global Urban Footprint and the Global Human Settlement Layer for the city of Milan (Marco Minghini, Monia Elisa Molinari, Linda See, Cidália Costa Fonte and Maria Antonia Brovelli)	MyDynamicForest: citizen data on spatial patterns and motives of recreational use in Helsinki's Central Park (Silviya Korpilo, Tarmo Virtanen and Susanna Lehvävirta)	Gender differences in multidimensional accessibility to healthcare in contexts of deprivation (Pablo Cabrera-Barona)	Research impact of Food Security and Climate Change on a worldwide scale, using publication frequency maps (Georgios Anastasiou and Sander Janssen)
		Keeping up with the citizens – collecting earthquake observations in New Zealand (Soren Haubrock, Caroline Little, Sara McBride and Natalie Balfour)	