



**Conference Programme**

Day 1 Timetable: 19th September						
09:00	Registration					
09:30	Welcome					
09:50	Keynote 1			Workshops Room TBC	Workshops Room TBC	
10:20	Break			OpenLayers Workshop Matt Walker, Astun Technology	QField: Desktop to Field in under an hour Kirsten Reilly, thinkWhere	
	Room TBC		Room TBC			
10:50	Getting technical	The QGIS NetworkAPI - a Remote Control for QGIS Barry Rowlingson, Lancaster University	Remote sensing			Using R, open-source government data, and remotely-sensed oceanographic products to enhance epidemiological models for Atlantic salmon aquaculture in Scotland Annette Boerlage, SRUC
11:10		Open source spatial ETL with Python and Apache Airflow John Stevenson, British Geological Survey				Malaria Risk Maps using open source in the Peruvian Amazon Elisa Solano
11:30		Rapid and repeatable geospatial analysis with python and node using notebooks Mila Frerichs, Civic Vision				D-MOSS: An integrated dengue early warning system in Vietnam driven by Earth Observations Alison Hopkin, HR Wallingford
11:50		Mesh: beyond vector and raster Saber Razmjooei, Lutra Consulting				Drone imagery, from field survey to image analysis: what is the place of open source software? Juliette Maire, Scotland's Rural College
12:10		Composing and securing spatial data interfaces. When? Why? How? Serverless edition Dennis Bauszus, GEOLYTIX			Creating a Scottish Crop Map From Sentinel-1/2 Satellite Images Stephen Smith, Scottish Government, Agriculture Analysis Unit	
12:30	Lunch					
13:50	Spatial Data Discovery and Online Portals	Registers of Scotland: Land Registration using open source software Alastair Reid, Registers of Scotland	Case Studies	Planning survey and collecting data using QGIS, Input and Mergin Saber Razmjooei, Lutra Consulting	Analysis Ready Data processing at scale with Python and Luigi Antony Chrysochoou, SCISYS	
14:10		"Our Falkirk" mitigating the impacts of poverty using OSM Alison Moon, thinkWhere				Scottish Pig Health Network: making better use of data for health improvements Andrew Duncan, Inverness College UHI and SRUC Epidemiology Unit Inverness
14:30		GeoSeer: A search engine for OGC services Jonathan Moules, LightPear				Software Bilingualism: Running ESRI, QGIS and Keeping Everyone and Everything Happy Ant Scott, MapAction
14:50		Open-source viewers for putting historical maps online Chris Fleet, National Library of Scotland				Nyanza, Reveal Your Secrets (FOSS4G-Iy) Philip Taylor, Centre for Ecology & Hydrology
15:10		Break				Geoprocessing with Jupyter Notebooks Sam Franklin, SCISYS
15:40	Lightning Talks / Unconference					
16:30	Keynote 2					
17:00	End Day 1					

Day 2 Timetable: 20th September					
09:00	Registration				
09:30	Keynote 3				
10:00	Break			Workshops	Workshops
	Room TBC		Room TBC	Room TBC	Room TBC
10:30	Dataviz and Cartography	<b>Cartography with R and QGIS, which to choose?</b> Mike Spencer, SRUC	Cloud based services	<b>Using the other fun parts of Postgresql along with PostGIS</b> Steven Pousty, Crunchy Data	<b>The Magic of GDAL/OGR2OGR</b> Tim Martin, Ordnance Survey
10:50		<b>Visualising commuting in Ireland with QGIS</b> Heikki Vesanto, LexisNexis			
11:10		<b>Exploring transport routes and journey characteristics using R Shiny</b> Caterina Constantinescu, The Data Lab, University of Edinburgh			
11:30	Short Break				
11:40	Remote Sensing	<b>Cool EO: Awesome FOSS for remote sensing</b> Alastair Graham, Geoger Ltd	AI/Machine Learning		
12:00		<b>Finding flat roofs with FOSS tools and data</b> Emily Selwood, Satellite Applications Catapult			
12:20		<b>From Cloud to Cloud – GeoServer and Cloud Optimised GeoTiff</b> Pascal Coulon, SCISYS / Defra			
12:40	Lunch				
14:00	Applied/Planning	<b>Projecting future population data using open source tools and opendata</b> Dave Barter, Nautoguide Ltd.	Metadata/Management/Standards	<b>Serverless OGR/GDAL with AWS Fargate</b> Iain Hunter thinkWhere	<b>Geospatial Data Visualisations with d3</b> Mila Frerichs, Civic Vision
14:20		<b>Application of GIS in the field of Emergency Planning &amp; Resilience</b> Avais Ijaz, Falkirk Council			
14:40		<b>Procedural generation using Mapbox for land planning</b> Shaun Landy, TheCartoGroup			<b>Using the OGC Web Processing Service (WPS) to move business logic to the server</b> Ian Turton, Astun Technology
15:00		<b>Real World GIS</b> Christopher Duncan, Bell Ingram LLP			<b>Open MasterMap - improving access to OS data.</b> Michael Gordon, Ordnance Survey
15:20	Break				
15:50	Lightning Talks / Unconference				
16:30	Keynote 4				
17:00	Close End Day 2				



**GEOLYTIX**

