



**Conference Programme**

Day 1 Timetable: 19th September							
09:00	Registration						
09:30	Welcome						
09:50	Shona Nicol Scotland geospatial strategy: protecting Scotland's future		Workshops Room Salisbury Suite	Workshops Room Board Room			
10:20	Break		OpenLayers Workshop Matt Walker, Astun Technology	QField: Desktop to Field in under an hour Kirsten Reilly, thinkWhere			
	Biosphere Green				Biosphere Blue		
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					D-MOSS: An integrated dengue early warning system in Vietnam driven by Earth Observations Alison Hopkin, HR Wallingford
11:30		Rapid and repeatable geospatial analysis with python and node using notebooks Mila Frerichs, Civic Vision					Drone imagery, from field survey to image analysis: what is the place of open source software? Juliette Maire, Scotland's Rural College
11:50		Web Assembly for Geospatial James Milner, SitePen					Creating a Scottish Crop Map From Sentinel-1/2 Satellite Images Stephen Smith, Scottish Government, Agriculture Analysis Unit
12:10		Composing and securing spatial data interfaces. When? Why? How? Serverless edition Dennis Bauszus, GEOLYTIX					Mesh: beyond vector and raster Saber Razmjooei, Lutra Consulting
12:30	Lunch		OSGeo:UK AGM 1pm Turret Room				
13:50	Spatial Data Discovery and Online Portals	Registers of Scotland: Land Registration using open source software Alastair Reid, Registers of Scotland	BioCoRe – an R tool for targeting ecological restoration Andrew Rattey, Forest Research	Analysis Ready Data processing at scale with Python and Luigi Antony Chrysochoou, SCISYS	Planning survey and collecting data using QGIS, Input and Mergin Saber Razmjooei, Lutra Consulting		
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-ly) Philip Taylor, Centre for Ecology & Hydrology	
15:10	Break		Geoprocessing with Jupyter Notebooks Sam Franklin, SCISYS				
15:40	Lightning Talks / Unconference						
16:30	Denise McKenzie Location: Trends, Ethics & Diversity						
17:00	End Day 1						

Day 2 Timetable: 20th September						
09:00						
09:30	Alasdair Rae From map projections to geogifs to mapping Brexit: my journey through open source GIS					
10:00	Break			Workshops	Workshops	
	Biosphere Green		Biosphere Blue	Salisbury Suite	Board Room	
10:30	Dataviz and Cartography	Cartography with R and QGIS, which to choose? Mike Spencer, SRUC	Cloud based services	QGIS in the Cloud - Desktop GIS in a Web Browser Daniel Ormsby, Astun	Using the other fun parts of Postgresql along with PostGIS Steven Pousty, Crunchy Data	The Magic of GDAL/OGR2OGR Tim Martin, Ordnance Survey
10:50		Visualising commuting in Ireland with QGIS Heikki Vesanto, LexisNexis		Geography As A Service Serverless Architectures for Geospatial Applications Tomas Holderness, AddressCloud		
11:10		Exploring transport routes and journey characteristics using R Shiny Caterina Constantinescu, The Data Lab, University of Edinburgh		Serverless Zoomstack on AWS Mark Varley, Addresscloud		
11:30	Short Break					
11:40	Remote Sensing	Cool EO: Awesome FOSS for remote sensing Alastair Graham, Geoger Ltd	AI/Machine Learning	GeoAI: A Field Guide to AI in geospatial workflows Dominic Stubbins, Esri UK		
12:00		Finding flat roofs with FOSS tools and data Emily Selwood, Satellite Applications Catapult		Using computer vision and entry-level machine learning to automate the extraction of building footprints from scanned historic maps Marguerite le Riche, Registers of Scotland		
12:20		From Cloud to Cloud – GeoServer and Cloud Optimised GeoTiff Pascal Coulon, SCISYS / Defra		GWRFC: An R implementation of Geographically Weighted Regression and Random Forest for the analysis of deforestation determinants Fabián Santos, Universidad Indoamérica		
12:40	Lunch					
14:00	Applied/Planning	Projecting future population data using open source tools and opendata Dave Barter, Nautoguide Ltd.	Metadata/Management/Standards	Don't let metadata get you down Jo Cook, Astun Technology	Serverless OGR/GDAL with AWS Fargate Iain Hunter thinkWhere	Geospatial Data Visualisations with d3 Mila Frerichs, Civic Vision
14:20		Application of GIS in the field of Emergency Planning & Resilience Avais Ijaz, Falkirk Council		OpenStreetMap Notes, visualisations and improvements Chris Fleming		
14:40		Procedural generation using Mapbox for land planning Shaun Landy, TheCartoGroup		Using the OGC Web Processing Service (WPS) to move business logic to the server Ian Turton, Astun Technology		
15:00		Liam Mason, Marine Scotland		Open MasterMap - improving access to OS data. Michael Gordon, Ordnance Survey		Contributing to QGIS Documentation Nick Bearman, Geospatial Training Solutions & UCL
15:20	Break					
15:50	Lightning Talks / Unconference					
16:30	Neil Chue Hong					
17:00	Close End Day 2					



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