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	**The QGIS NetworkAPI - a Remote Control for QGIS** Barry Rowlingson, Lancaster University	**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		**QGIS: Processing tools** Simon Miles, The Loose Goat
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	**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			

Vertical labels: Getting technical (Biosphere Green, morning); Remote sensing (Biosphere Blue, morning); Spatial Data Discovery and Online Portals (Biosphere Green, afternoon); Case Studies (Biosphere Blue, afternoon).

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Day 2 Timetable: 20th September				

Time	Biosphere Green	Biosphere Blue	Workshops Salisbury Suite	Workshops Board Room
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:** **We all have to keep an open mind**			
17:00	**Close End Day 2**			