




FOSS4GUK

EDINBURGH 2 0 1 9



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	
10:20	Break		Workshops Room Board Room	
	Break		OpenLayers Workshop Matt Walker, Astun Technology	
	Break		QField: Desktop to Field in under an hour Kirsten Reilly, thinkWhere	
	Break		QGIS: Processing tools Simon Miles, The Loose Goat	
10:50	Getting technical	Biosphere Green The QGIS NetworkAPI - a Remote Control for QGIS Barry Rowlingson, Lancaster University	Remote sensing	Biosphere Blue 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	Case Studies	BioCoRe – an R tool for targeting ecological restoration Andrew Rattey, Forest Research
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	
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	
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	
15:20	Break			Serverless OGR/GDAL with AWS Fargate Iain Hunter thinkWhere	
15:50	Lightning Talks / Unconference				
16:30	Neil Chue Hong: We all have to keep an open mind				
17:00	Close End Day 2				



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