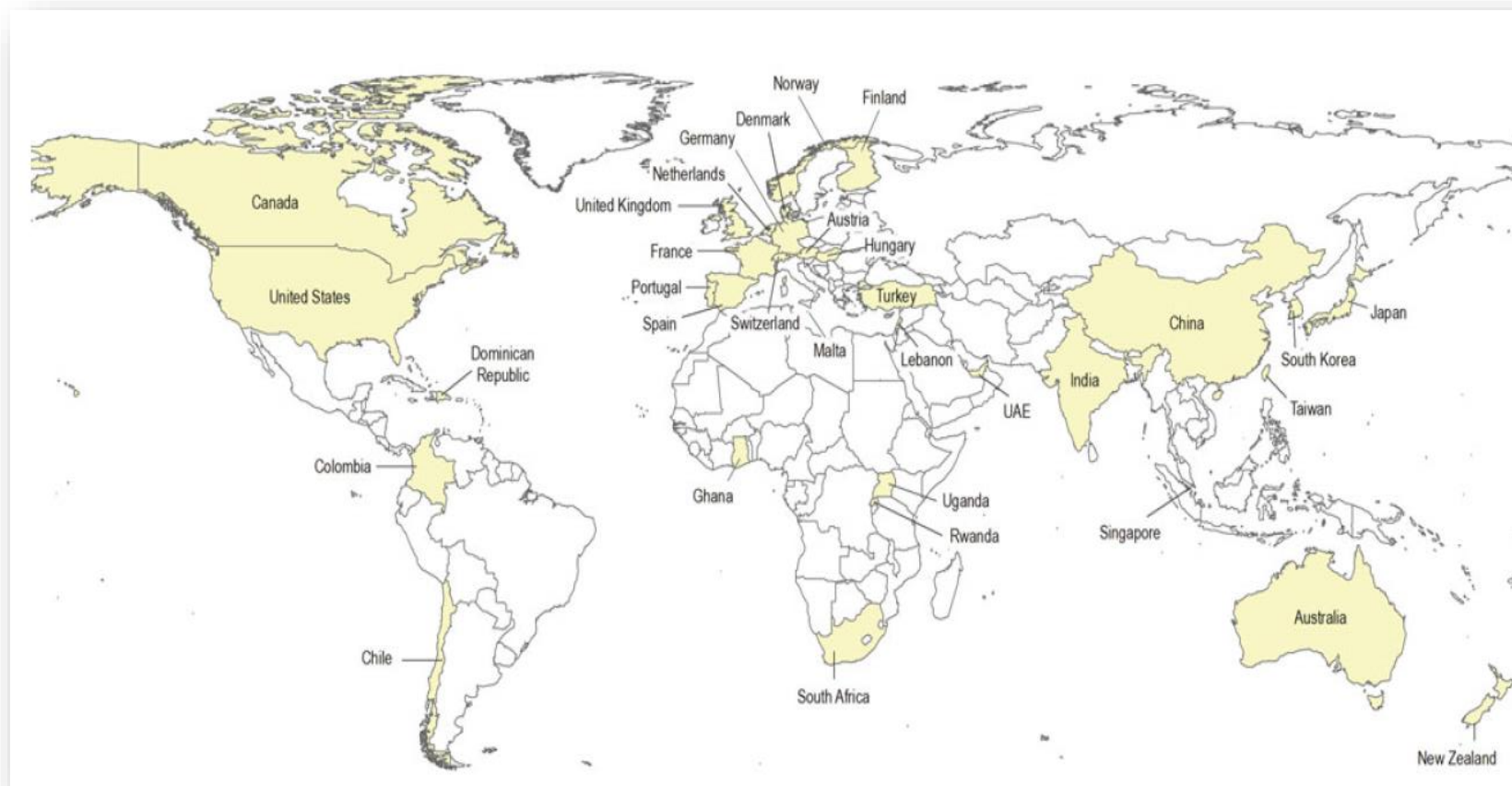


Space in Secondary Education

• Bridget Fleming (SAGTA)

South Africa is one of 27 countries where GIS is taught at secondary school level and one of eight where GIS forms part of the formal national secondary school curriculum (Milson, 2012)

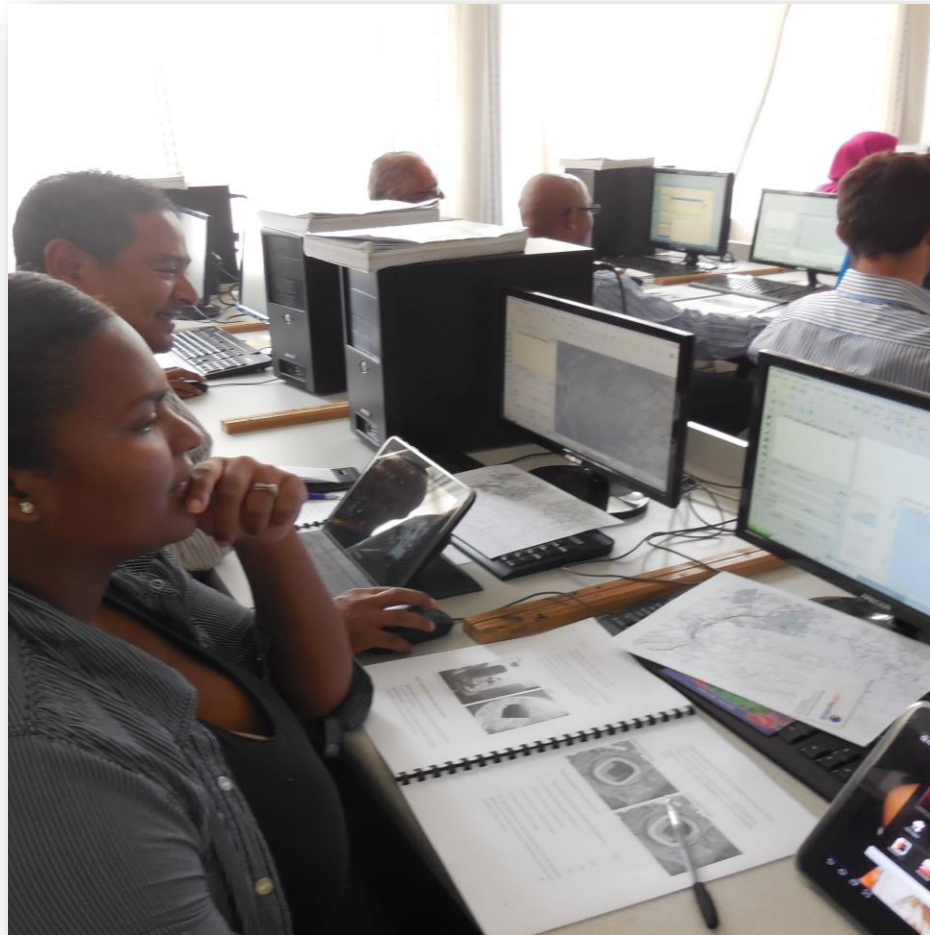


Remote Sensing in the Geography CAPS

Grade 10 (1 hour)	Reasons for the development of GIS
	How remote sensing works
	GIS concepts (spatial objects, lines, points, nodes and scale)
Grade 11 (4 hours)	Spatially referenced data
	Spatial and spectral resolution
	Different types of data: line, point, area and attribute
	Raster and vector data
	Application of GIS to climatology, meteorology and oceanography using satellite images
Grade 12 (6 hours)	Paper GIS
	Examining a selection of satellite images
	GIS concepts: remote sensing and resolution
	Spatial and attribute data; vector and raster data
	Data standardisation, data sharing and data security
	Data manipulation: data integration, buffering, querying and statistical analysis
	Application of GIS techniques to a range of topics covered in Grade 12
Paper GIS from maps, photographs and other records	
Paper GIS from maps, photographs and other records	

Teacher interventions

(Fleischmann, 2017; Degirmenci, 2018; Riihelä, 2015)



Pupils using QGIS software and OSM data





Southern African Geography Teachers' Association - SAGTA



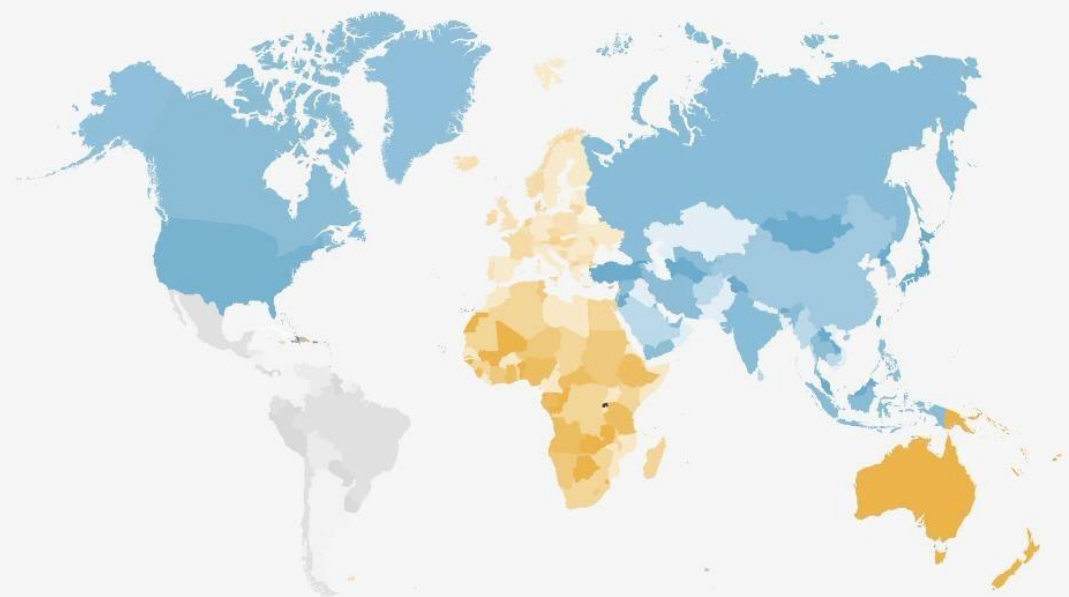
Posted by Bridget Fleming

Just now •

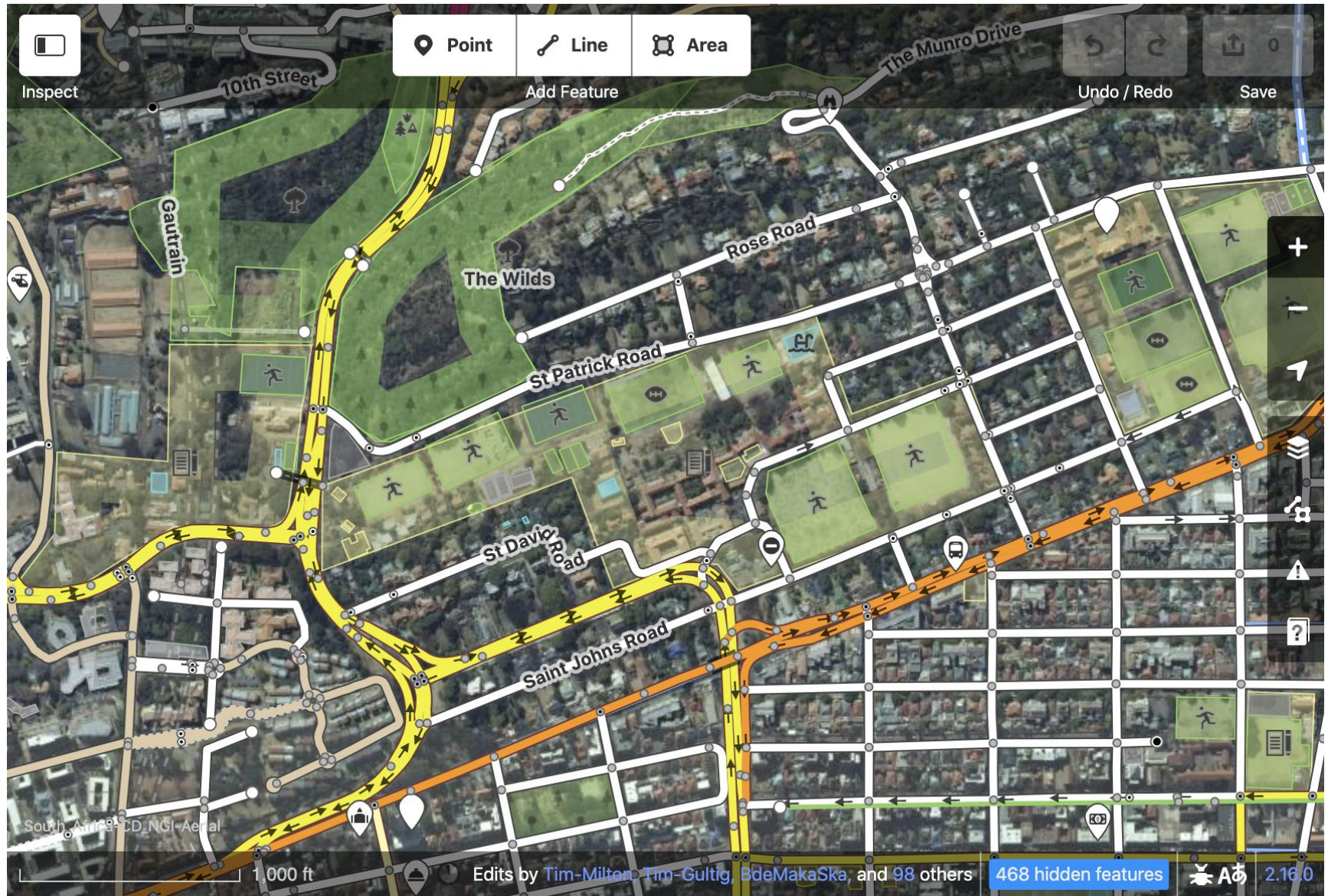
#GISDay SAGTA and GISSA "Map your School" competition. Use any GIS platform, ArcGIS, QGIS, GoogleEarth, Open... See more

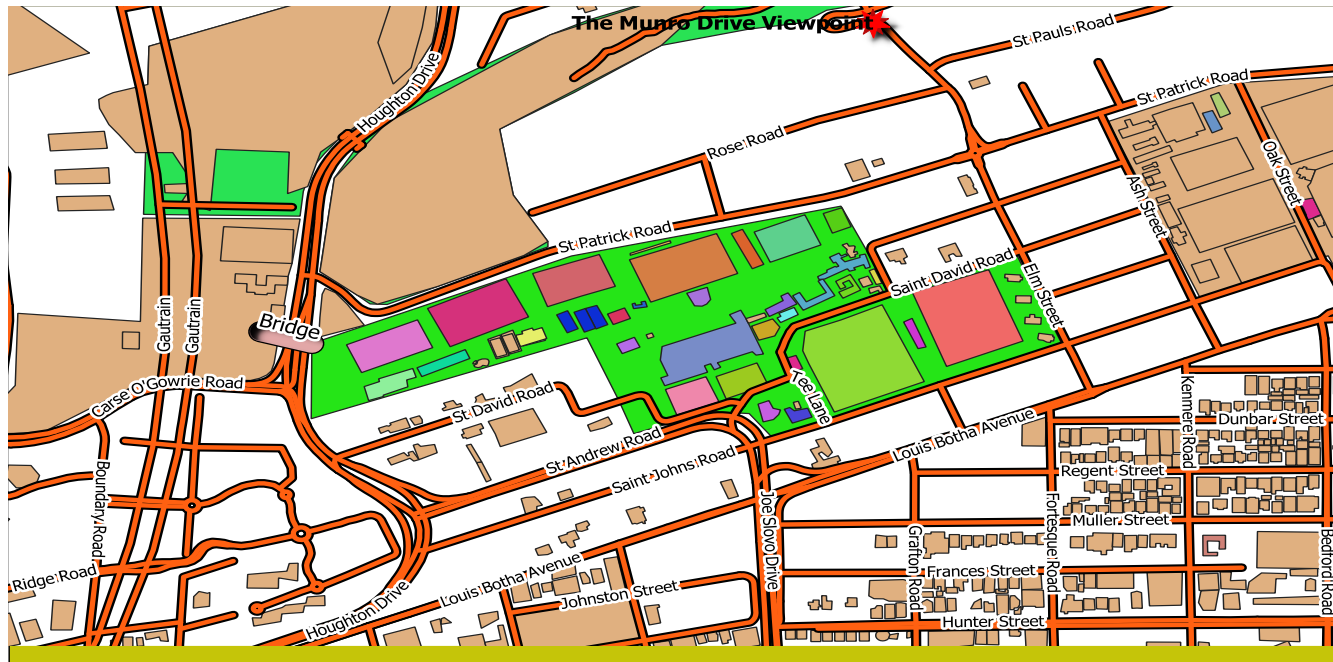


Happy International GIS Day 2019



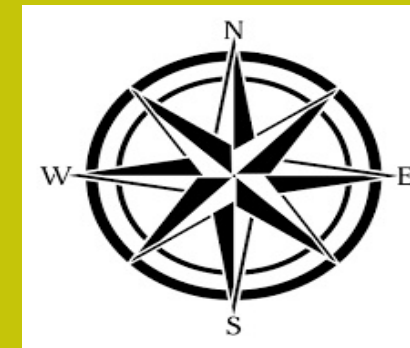
SPACE for NATIONAL DEVELOPMENT





Munro Drive Viewpoint	Burger East	Houghton View Heights	School House
Tutu Bridge	Burger West	Indoor Cricket Centre	School Townhouses
map (1) lines	C Rugby	Library	Spectator benches
map (1) multilinestrings	Clarke Quad	long walk pool	St John's College
map (1) multipolygons	D Rugby	Mitchell Field	St John's Preparatory
1st Team Basketball Court	David Quad	Music Dept	Swimming pool
6th Form	Dean Yates Centre	OJ	tennis court
AWV Centre	Gym	Prep Classrooms	The Wilds
Barrow Squash Complex	Gymnasium	Preprep buildings	Tuck Shop
Basketball court	Henry Benett Pavilion	Rice Field	
Big School	Hockey Astro Turf	rugby stands	
	School Building		

St John's College



St John's College

