	MATLAB	Python

1. Import dependencies		`import topotoolbox as tt3`
		`import matplotlib.pyplot as plt`
		`import numpy as np`

2. Load and reproject data	`dem = readopentopo('extent', [3.0 30.0 ...`
	`  42.0 53.0], ...`
	`  'demtype', 'COP90');`
	
	`demr = project(dem, 3035, 'res', 90.0);`
	
	`demr.Z(demr.Z <= 0) = NaN;`
		`dem = tt3.load_opentopography(west=3.0,`
		`  east=30.0,`
		`  south=42.0,`
		`  north=53.0,`
		`  dem_type='COP90')`
		`demr = dem.reproject(CRS.from_epsg(3035),`
		`  resolution=90.0)`
		`demr.z[demr.z <= 0.0] = np.nan`

3. Compute flow directions	`fd = FLOWobj(demr);` `a = flowacc(fd);`	`fd = tt3.FlowObject(demr)` `a = fd.flow_accumulation()`

4. Identify stream network	`s = STREAMobj(fd, 'unit', 'km', ...`
	`  'minarea', 10.0);`
	`s2 = klargestconncomps(s, 2);`
		`s = tt3.StreamObject(fd, units='km2',`
		`  threshold=10)`
		`s2 = s.klargestconncomps(2)`

5. Compute χ	`c = chitransform(s2, a, 'mn', 0.45, 'a0', 1.0);`	`c = s2.chitransform(a, a0=1.0, mn=0.45)`

6. Plot	`imageschs(demr, [], 'colormap', [1.0 1.0. 1.0]);`
	
	`hold on`
	`plotc(s2, c);`
	`hold off`
		`fig, ax = plt.subplots(1, 1)`
		`demr.plot_hs(ax=ax,`
		`  cmap=ListedColormap([0.9, 0.9, 0.9])`
		
		`s2.plotc(c)`