GeoELAN A4 Guide, v2.1, 2023-01-03

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`geoelan --help`	**General help**
`geoelan COMMAND --help`	Help for specific COMMAND, e.g. `geoelan eaf2geo --help`

	Workflow	Example
1.	Concatenate media files, generate ELAN-file	`geoelan virb2eaf --video VIRB0001-1.MP4 --indir DIR_TO_SEARCH/ --outdir OUTDIR/`
2.	Annotate the generated ELAN-file. One tier for each event type.	
3.	Geo-reference annotations on selected tier. Outputs KML/GeoJSON.	`geoelan eaf2geo --eaf VIRB0001-1.eaf --fit FITFILE.fit --geoshape point-single`

Command	Description	Example
`gopro2eaf`	[GoPro] Generate ELAN-file with geo-tier	`geoelan gopro2eaf -v VIDEO.MP4 -i INDIR/ -o OUTDIR/ --geo-tier`
`virb2eaf`	[VIRB] Generate ELAN-file with geo-tier	`geoelan virb2eaf -v VIDEO.MP4 -i INDIR/ -o OUTDIR/ --geo-tier`
`eaf2geo`	Geo-reference annotations and generate KML-file	`geoelan eaf2geo -e ELANFILE.eaf -f FITFILE.fit --geoshape point-single`
`locate`	Locate and match MP4 and/or FIT-files	`geoelan locate -i INDIR/ --csv`
`inspect`	Print the contents of a FIT/GPMF-file	`geoelan inspect -f FITFILE.fit --verbose` `geoelan inspect -g GOPRO_VIDEO.mp4 --verbose`
`manual`	View or save manual as PDF	`geoelan manual --pdf`

Argument	Description	Applicable to	Possible values
`--downsample`	Point output divisor (e.g. `10`: 7200 points → 720 points)	`gopro2eaf`, `virb2eaf`, `eaf2geo`	1 (default) to max number of logged points
`--geoshape`	Point/s or line/s in output KML	`eaf2geo`	See table below
`--cdata`	Extended information bubble in Google Earth	`eaf2geo`	

`geoshape` value	Description	Shape	Note
`point-all`	Points intersecting with an annotation will gain a description	Points	
`point-multi`	Points intersecting with an annotation will be exported	Points	
`point-single`	Each annotation will be averaged to a *single point*	Points	Ignores `--downsample`
`line-all`	Points intersecting with an annotation will gain a description	Line, continuous	
`line-multi`	Each annotation will be exported as a line	Line, broken-up	
`circle-2d`	Each annotation will generate a circle (c.f. `point-single`)	Circle	Ignores `--downsample`
`circle-3d`	Each annotation will generate a cylinder (c.f. `point-single`)	Circle	Ignores `--downsample`