

GeoELAN A4 Guide, v2.5, 2023-06-04

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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	
cam2eaf	[GoPro] Generate ELAN-file with geo-tier	geoelan cam2eaf -v VIDEO.MP4 -i INDIR/ -o OUTDIR/ --geo-tier	
cam2eaf	[VIRB] Generate ELAN-file with geo-tier	geoelan cam2eaf -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

Argument	Description	Applicable to	Possible values
<code>--cdata</code>	Extended information bubble in Google Earth	<code>eaf2geo</code>	

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