GeoELAN A4 Guide, v1.0, 2021-01-22

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`geoelan --help` or `geoelan SUBCOMMAND --help`	General help or specific help for SUBCOMMAND, e.g. `geoelan eaf2geo --help`

Workflow	Example
1. Concatenate clips, extract audio, generate ELAN-file, locate FIT-file.	`geoelan cam2eaf --video VIRB0001-1.MP4 --indir INDIR/ --outdir OUTDIR/`
2. Annotate the generated ELAN-file. One tier for each event type.	
3. Geo-reference annotations on selected tier. Outputs KML-file.	`geoelan eaf2geo --eaf VIRB0001-1.eaf --fit FITFILE.fit --geoshape point-single`

Sub-command	Description	Example
`cam2eaf`	Generate an ELAN-file, and concatenated media files	`geoelan cam2eaf -v VIDEO.MP4 -i INDIR/ -o OUTDIR/ --geo-tier`
		Concatenate all clips for session starting with `VIDEO.MP4` in `INDIR`. Geo-tier in ELAN-file.
`eaf2geo`	Geo-reference annotations and generate KML-file	`geoelan eaf2geo -e ELANFILE.eaf -f FITFILE.fit --geoshape point-single`
		Generate KML-file, one point/annotation. No video specified so UUID is selected from list.
`match`	Locate and match VIRB clips and FIT-files	`geoelan match -i INDIR/ --csv`
		Match all VIRB clips in `INDIR/` with the corresponding FIT-file. Result saved as CSV-file.
`check`	Print an overview or the contents of a FIT-file	`geoelan check -f FITFILE.fit -g 160 --verbose`
		Print all `gps_metadata` in FITFILE.fit, followed by a summary and all logged UUIDs.
`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)	`cam2eaf`, `eaf2geo`, `check`	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`

`--geoshape` value	Description	Shape	Note
`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	