

Scenario	user Intention	System reaction	Current tool	desired	alternative
coming home	Download the images from Camera to Computer	System prompts for source Device System prompts for comment of each day System downloads the images and saves them in the Folderstructure	ImageFlow ImageFlow ImageFlow		
	Download the GPX-File to computer	System load the Gps-track from device System prompt for filename and location System saves the Gps-Track in GPX-format in Folder-Structure	myTracks myTracks myTracks		
	Erase Track in GPS-device	System prompts for deletion of the file in GPS-device System displays tracks in a list organized by File / Track	myTracks		
cleanup tracks	View Tracks – user selects the tracks to display. Multiple Tracks can be selected	System, displays all loaded tracks in a map. The selected tracks are highlighted in the map. System displays a list of trackpoints	myTracks myTracks		
	User wants to investigate the tracks – using altitude profile	System displays a timeline with the altitude, the selected track are highlighted in the altitude over time profile	myTracks		
	User wants to investigate the tracks – using distance profile	System displays a timeline with the altitude, the selected track are highlighted in the segment length over time profile.			gps track analyse (windows)
	User wants to investigate trackpoints – select in Map, Trackpointlist, profiles	System highlights the trackpoints in all views	myTracks		
	User wants to zoom the map * zoom to center	System zooms in and pans the map to the cursor position	myTracks myTracks		
	* zoom to track	System zooms such that the selected tracks are displayed as big as possible	myTracks		
	* zoom to selected trackpoints	System zooms such that all selected trackpoints are displayed as big as possible	myTracks		
	Investigate trackpoints – user selects one or more trackpoints in the list of trackpoints.	The selected Trackoints are highlighted in the map, the Trackpoint-List, and all other views	myTracks		
	User wants to clean the tracks – delete the selected part in a tracks	the highlighted Tracks are removed in all windows	myTracks		
	User wants to undo / redo	The last action is undone / redone			
User wants to save the corrected GPX-File	System gives a Save-as dialog. All currently opened tracks are saved in the selected file.	myTracks			
User wants to clear the track memory	All loaded tracks are deleted.	myTracks			
Geotag photos	User wants to load the photos which needs to be synchronized	System opens a list which displays all photos which were dragged to the tool or opened with the file open dialog. If a directory was selected, all photos in all subdirectories are loaded.	GpsPhotolinker	myTracks	
	* drag & drop from Lightroom	Dropped files are added to the list of photos	GpsPhotolinker	myTracks	
	* drag & drop from finder	Dropped files are added to the list of photos	GpsPhotolinker	myTracks	
	User wants to preview the photos	The list of photos can be shown as thumbnails	GpsPhotolinker	myTracks	
	User wants to check the gps information in the photos	The list of photos displays selectable columns	GpsPhotolinker	myTracks	
	User wants to prefly the geotagging process	System displays three panes, the previous, the interpolated and the next trackpoint. Each pane shows, the time, the time difference to the photo, the distance to the photo, the IPTC (location, city, province, country), the coordinates and a button (show in map), save to photo.	GpsPhotolinker		
	User wants to adjust synchronisation	System allows to adjust the time-zone. System allows to specify the UTC of a particular photo. Based on this and the exif date in the photo, the time difference between camera and UTC is computed.	GpsPhotolinker	myTracks myTracks	
	User wants to synchronize one photo by pointing to it on the map	System places a placemark on the map which can then be dragged by the user to the intended place. The coordinates, and the place data are shown in the preview pane. User can adjust the IPTC data.	Lightroom with GPS-Plugin	myTracks	coordinates are picked manually.
	User wants to finetune the data saved in the photo.	The coordinates, and the place data are shown in the preview pane. User can adjust the IPTC data.	Lightroom with GPS-Plugin	myTracks	
	User wants to save the gps-info in the photo	System provides a button to save the data to the photo. This button is in the preview pane. This action can also be performed on a list of selected photos.	Lightroom with GPS-Plugin	myTracks	
User wants to find a place in the map	User enters a query like in google maps in order to find the intended place.	google earth	myTracks		
User wants to save / recall a location (bookmarks)	System maintains a list of locations. Locations can be saved and also retrieved. Retrieving a location locates the placemark.	google maps	myTracks		
User wants to synchronize the photos with the track	System provides a button to synchronize the photos. The process can be tracked in the list of photos.	GpsPhotolinker	myTracks		

Postprocess User wants to update metadata in lightroom

System displays the list of photos and reads the geo metadata from the images - Lightroom with GPS-Plugin

User wants a kmz file for publishing

System creates a collection with geotagged photos.
System queries for the size of the exported photos
System queries for a gpx file with the track (e.g. the cleaned one)
System generates a kmz file from the photos and the gpx file.

Lightroom see <http://www.weichel.de> Lightrom