



National Spatial Data Infrastructure Research Program

Development of open source processing technology for
Application of spatial information SW

GeoCMS User Manual



GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

1.1. Business overview

Internationally, the importance of utilizing spatial information is increasing, but the spatial information infrastructure including open source software based on domestic is weak, and the level of practical application of related technology is still low, so it relies on foreign software.

Accordingly, we developed an open source based system for generating and managing new and user-space-based new media space information contents on the web and mobile, gained import substitution effect of foreign-based software, improved technology self-reliance, The goal is to do.

1.2. Business background and necessity

In recent years, services such as Instagram, Vine, and YouTube have emerged as a result of increasing demand for services for various new media space information collected through mobile terminals and for linking with external systems. However, this is a simple media management / service technology, Technology for combined service with information service is very limited.

To solve this problem, it is necessary to provide services for efficient management and service of new media space information that is diversified according to the development of mobile and computing technologies such as Google Glass and panoramic space image. In the case of developing / distributing system in open source form, It is possible to manage users' participation in new media space information in private..

1.3. Business Goals

The ultimate goal is to implement and provide open source spatial information content management system (GeoCMS), which will be utilized by public and private operators and put into practical use.

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- 1) New media space information contents authoring and publishing technology development
- 2) New media space information analysis and service engine technology development
- 3) User-Participated Web / Mobile based Geospatial Content Management System (GeoCMS) technology development
- 4) Development of technology for linking and utilizing public and commercial space information systems

1.4. Benefit

1.4.1. Technical expectation effect

- Overcome the dependency of specific foreign SWs and reduce SW acquisition and maintenance costs
- Enhance technology self-reliance with development of open source software for spatial information led by domestic technology, and successfully commercialize R & D results
- Quickly develop and validate high-level SWs to quickly implement products

1.4.2. Economic / Industrial Expected Effects

- Cost substitution and cheap introduction / utilization cost of public information system in the public sector
- Strengthen domestic SW industry ecosystem based on open source SW technology for spatial information

To foster the spatial information software industry, to nurture specialized personnel for spatial information software development and to create jobs

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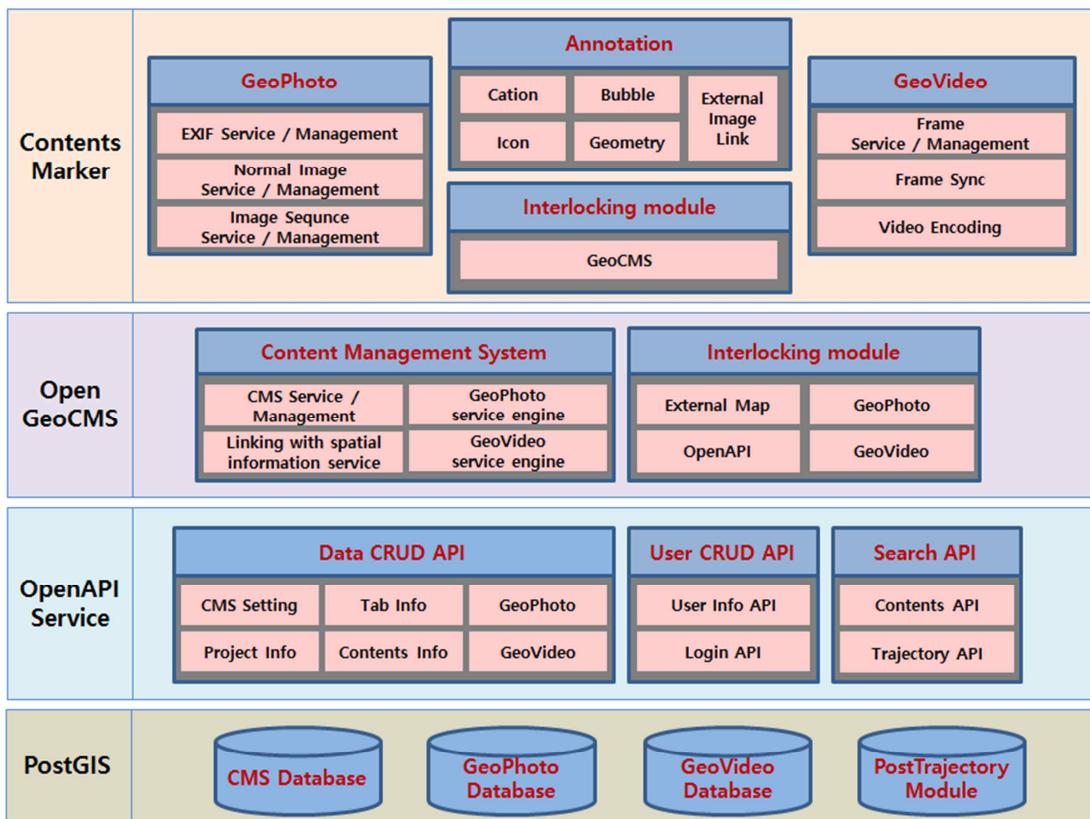
2. Development Contents

2.1. GeoCMS Operating Environment

Software Information		
operating system	server	Apache Tomcat 6.0
	Client	Chrome 44+
Uniqueness (Product activation requirements)	External map engines (such as GoogleMaps) and Open APIs (such as Google Geocoding) should be available. DB :PostgreSQL 9.6	
Hardware Information		
Other environment	2.4GHz, 4G RAM, Winows 7	

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2.2. System structure

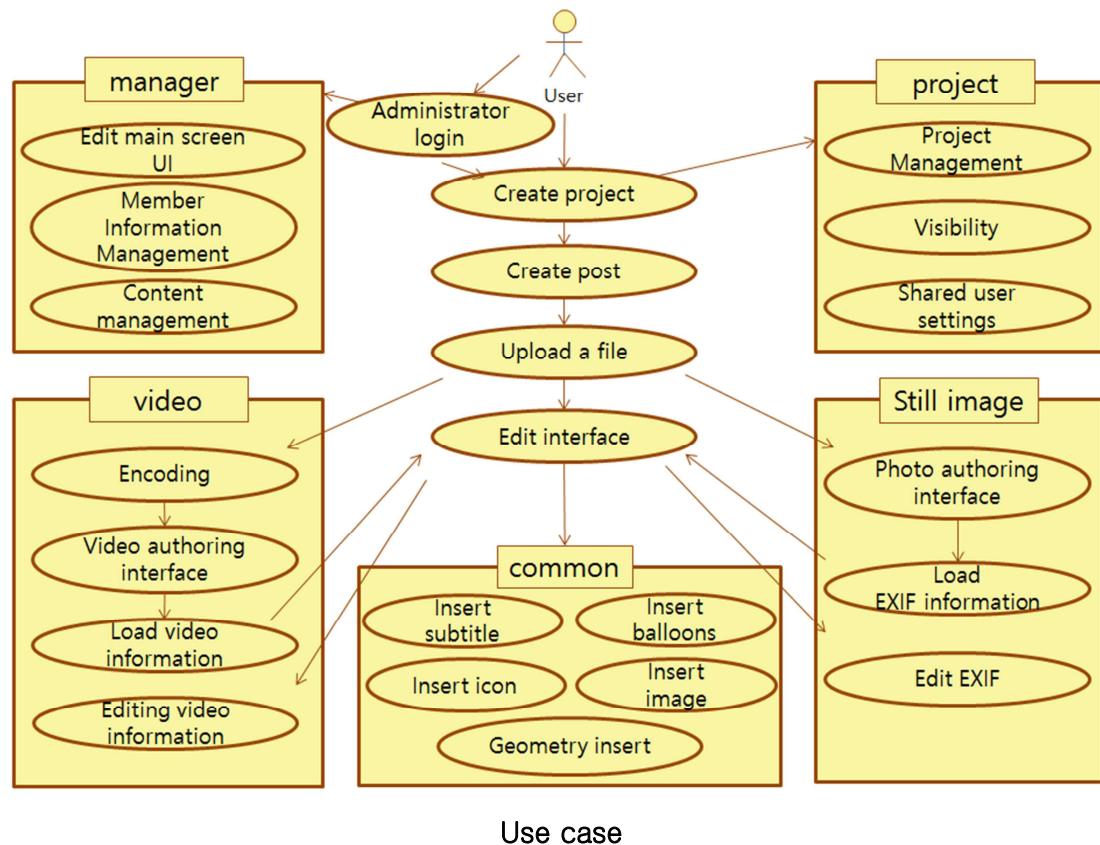


System structure diagram

The GeoCMS platform is divided into authoring function, interworking function, and web service function.

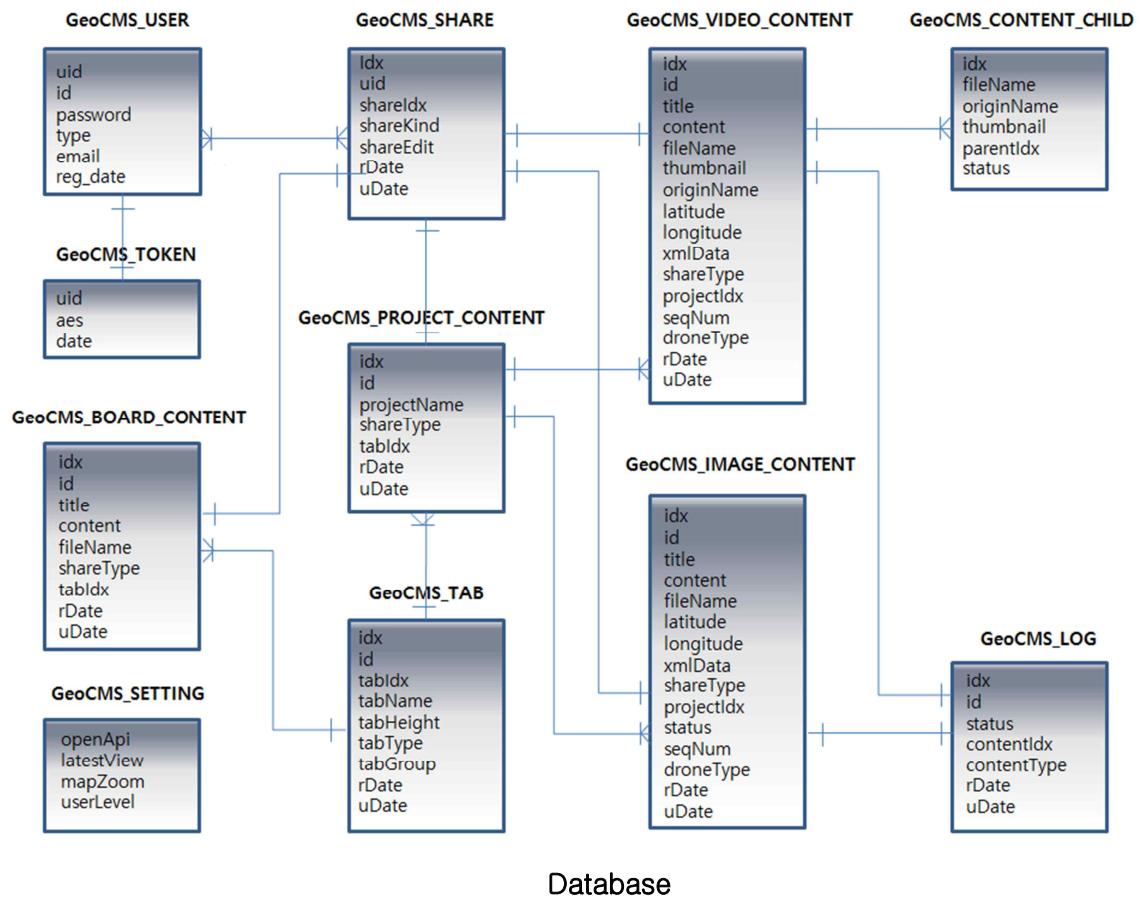
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2.3. Use case



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2.4. Database



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2.5. XML Schema

- When the photo and video content information is stored in XML and shared, it is composed of the following schema

```

<?xml version="1.0" encoding="UTF-8"?>
<GeoCMS>
  - <obj>
    <id>g</id>
    <top>300</top>
    <left>235</left>
    <xstr>235_391</xstr>
    <ystr>294_420</ystr>
    <linecolor>#ff0</linecolor>
    <backgroundcolor>#FF0000</backgroundcolor>
    <type>rect</type>
  </obj>
  - <obj>
    <id>b</id>
    <top>250</top>
    <left>232</left>
    <href>false</href>
    <underline>false</underline>
    <italic>false</italic>
    <bold>true</bold>
    <fontsize>H1</fontsize>
    <fontcolor>#ffffff</fontcolor>
    <backgroundcolor>#0000ff</backgroundcolor>
    <text>방지턱 입니다.</text>
  </obj>
  - <obj>
    <id>i</id>
    <top>268</top>
    <left>390</left>
    <width>79px</width>
    <height>68px</height>
    <src>/GeoPhoto/images/geoImg/icon/black/d130.png</src>
  </obj>
</GeoCMS>
```

XML Schema

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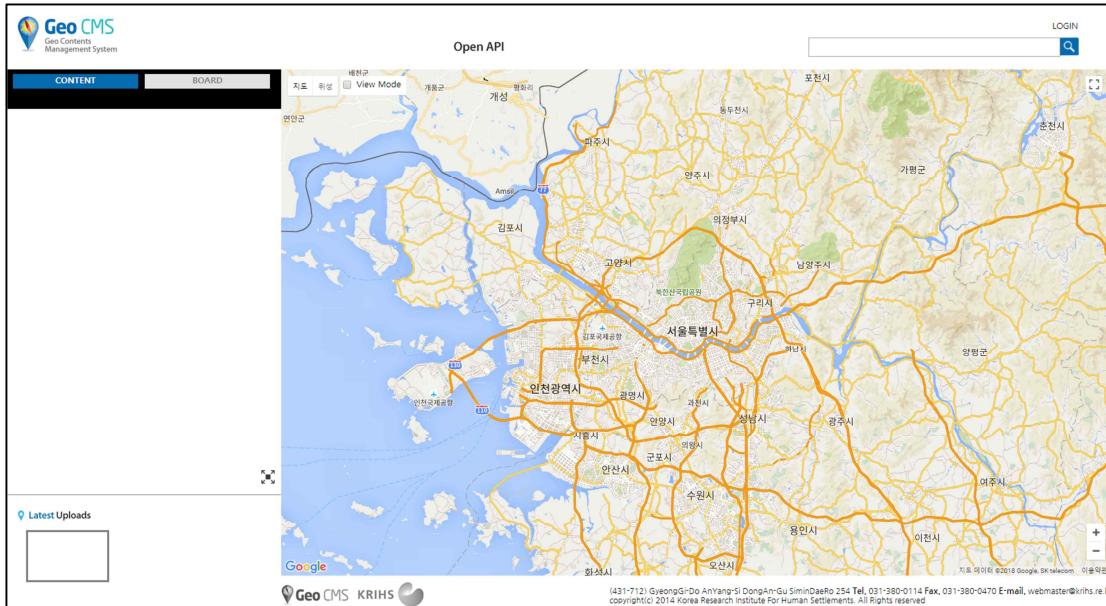
Type	Tag Name	Description
All	GeoCMS	Top-level Tag name
All	obj	Authored Annotation Information Tag
All	id	Annotation ID Tag
All	top	Top Position coordinate value
All	left	Left position coordinate value
Icon	width	Width value of icon
Icon	height	Height value of icon
Icon	src	Src (externally accessible URL) path of the icon
Caption, Bubble	href	External reference link URL path
Caption, Bubble	underline	Underline Attribute value of Text
Caption, Bubble	italic	Italic Attribute value of Text
Caption, Bubble	bold	Bold Attribute value of Text
Caption, Bubble	fontsize	Text size attribute value of Text
Caption, Bubble	fontcolor	Color attribute value of Text
All	backgroundcolor	Annotation background color value
Caption, Bubble	text	User string value
Geometry	xstr	Geometry X Point value
Geometry	ystr	Geometry Y Point value
Geometry	linecolor	Line color attribute value of the geometry
Geometry	type	Type property value of geometry (point, circle, rect)

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3. Using GeoCMS

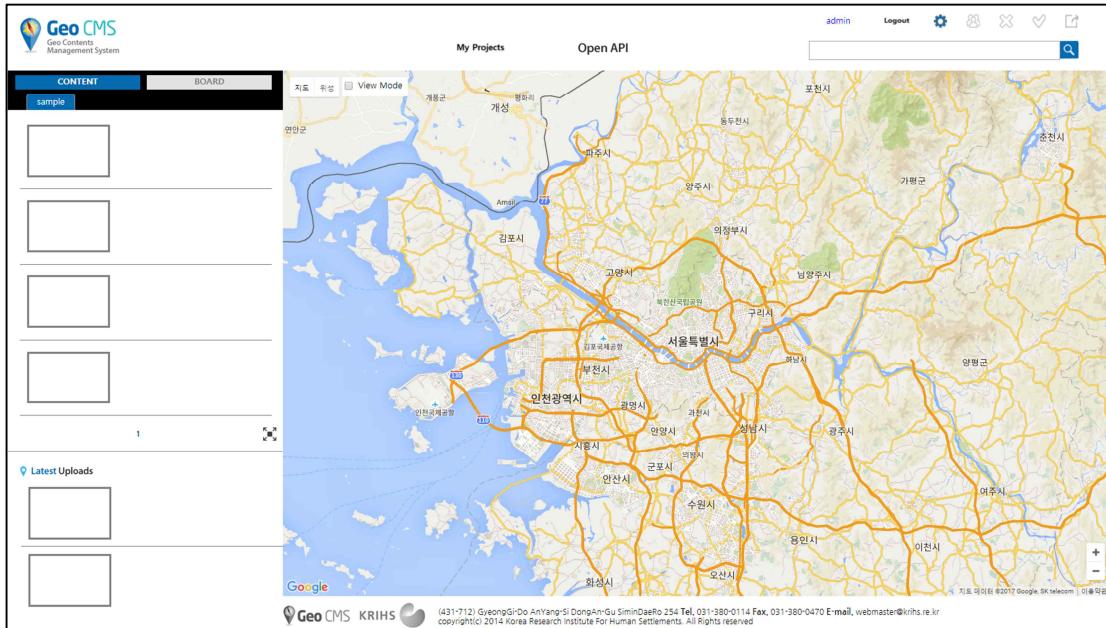
3.1. GeoCMS Manager

- Main screen appears when accessing main page.



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- Log in as an administrator.



– Manager icon

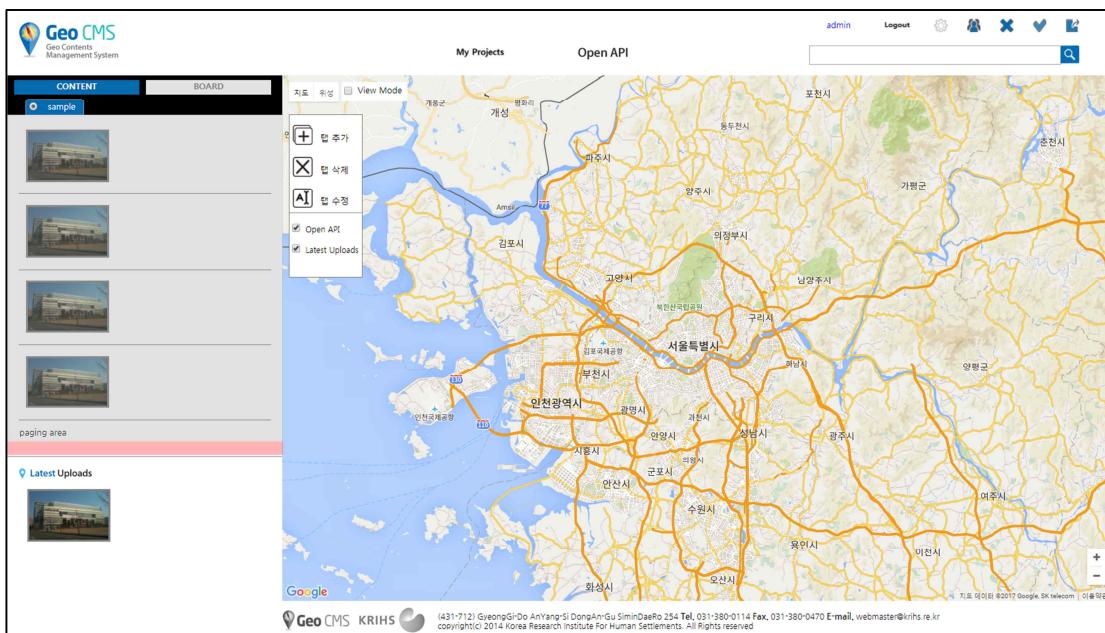


1. Settings: The administrator can set the Membership and Category tab and the main screen UI.
2. Member Management: Manage the membership of the member.
3. Cancel: Initializes the item that the administrator is editing.
4. Save: Saves the changes made by the administrator.
5. Exit: The administrator clears the item that was being modified and exits the edit mode.

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3.1.1. Admin edit mode screen

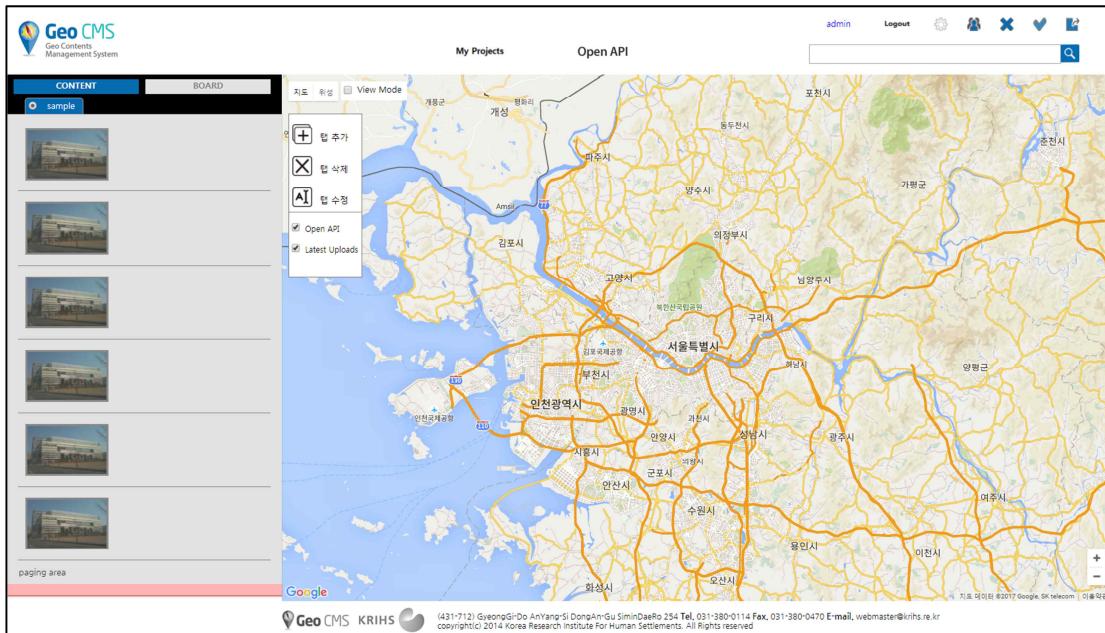
- After pressing the setting button, the administrator edit mode screen
 - Add tab: add category tab
 - Delete tab: Delete selected category tabs
 - Edit tab: Edit selected category tabs
 - Open API: When unchecked, OpenAPI does not appear in top menu when saving.
 - Latest Uploads: When unchecked, the Latest Uploads section on the bottom left does not appear.



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3.1.2. Modify the content UI

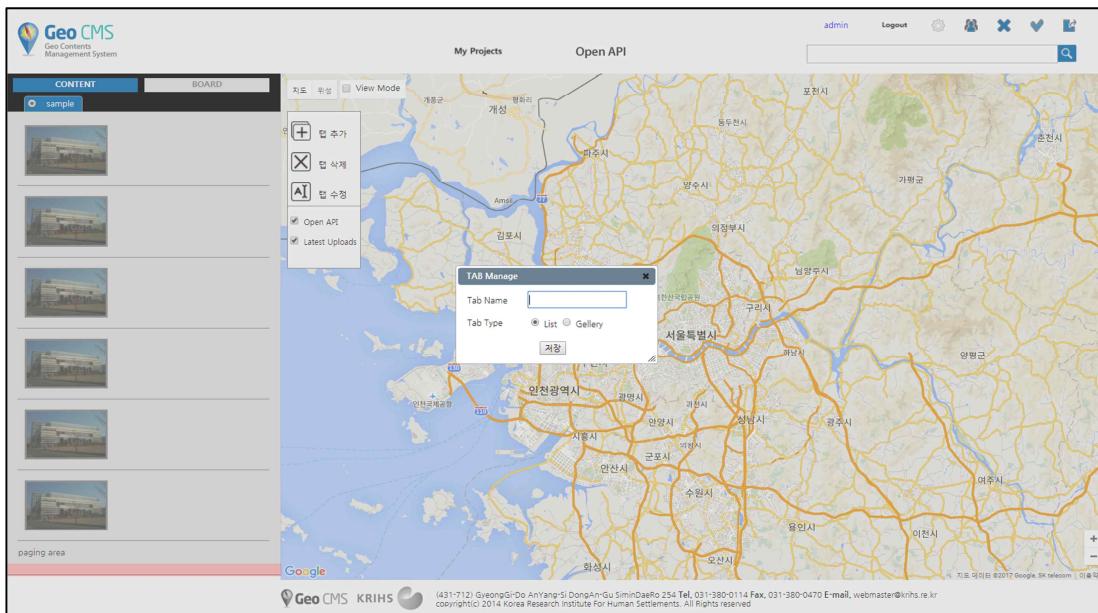
- You can adjust the number of contents in the list by adjusting the red line in the list on the left with the mouse.



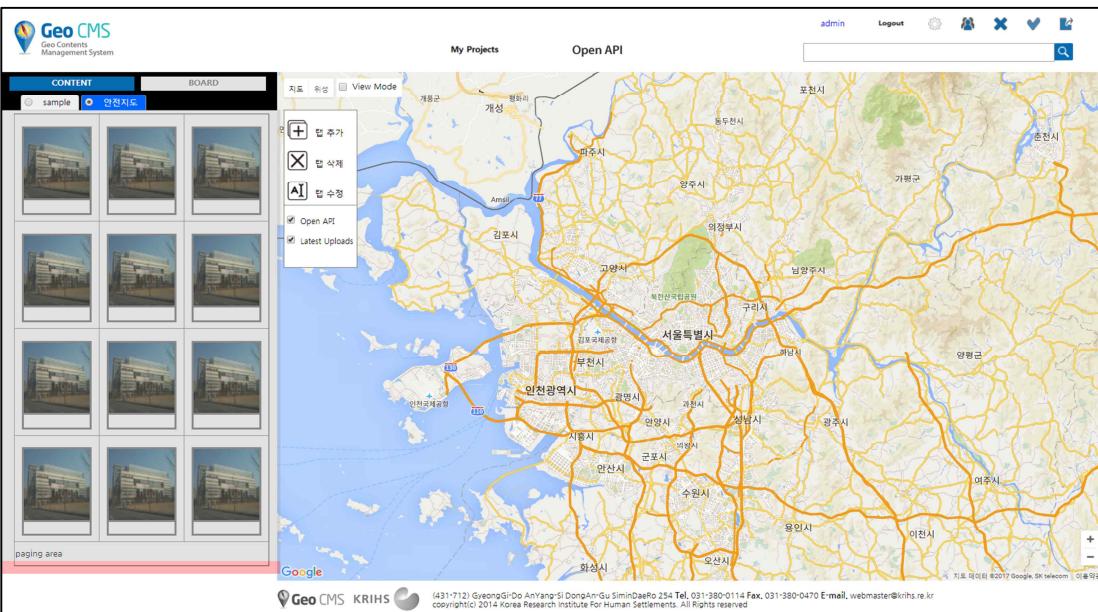
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3.1.3. Add Tab

- Adding tabs
 - Click 'Add Tab' button and save the tab name and type after setting.



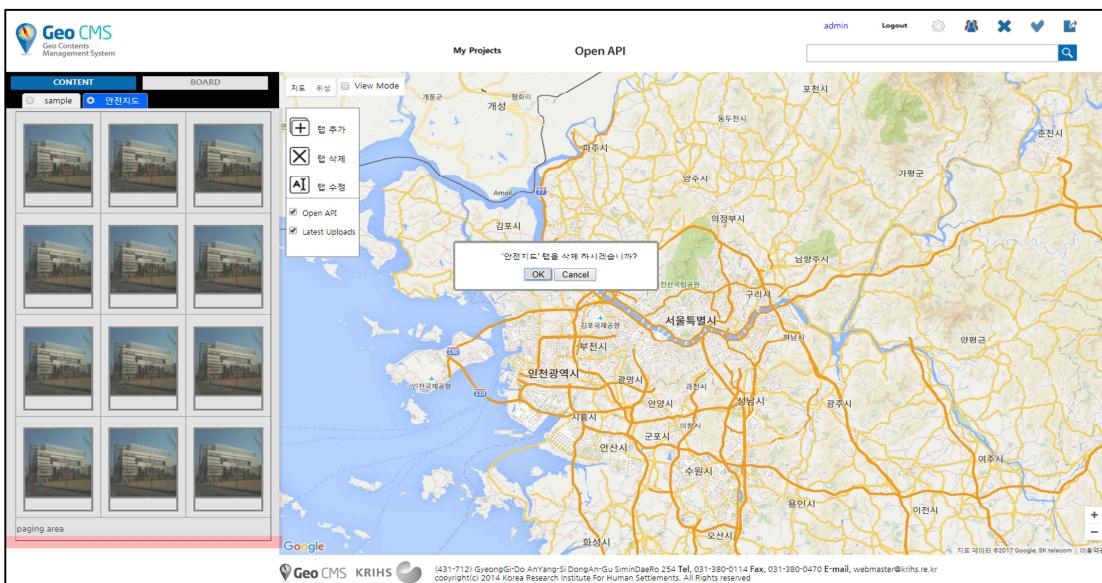
- Completed tab addition



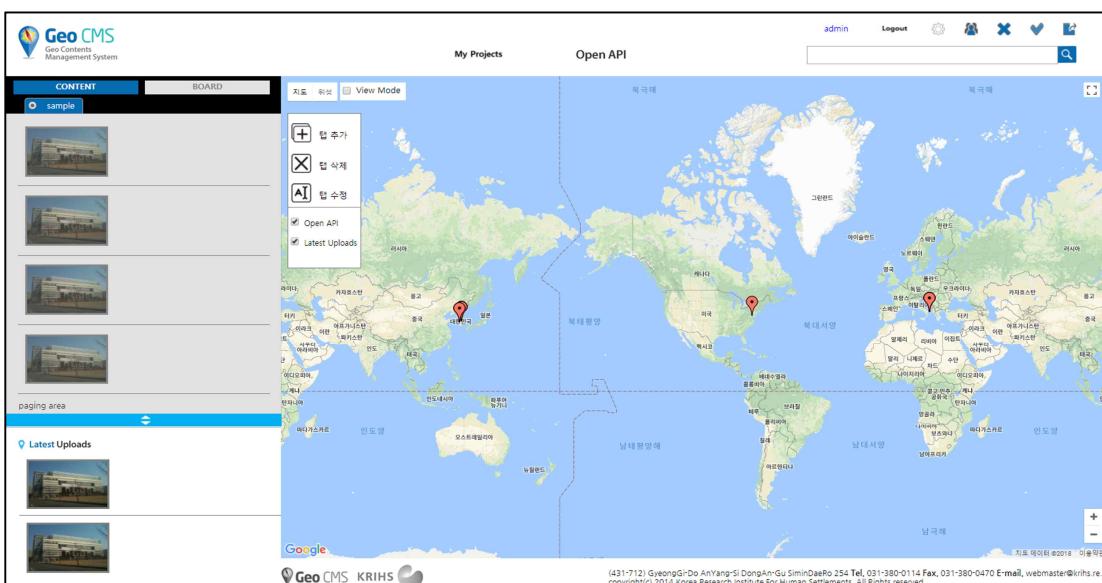
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3.1.4. Delete tab

- Deleting tabs
 - Select the tab radio button to be deleted, then click the 'Delete tab' button and select OK.



- Tab deletion complete

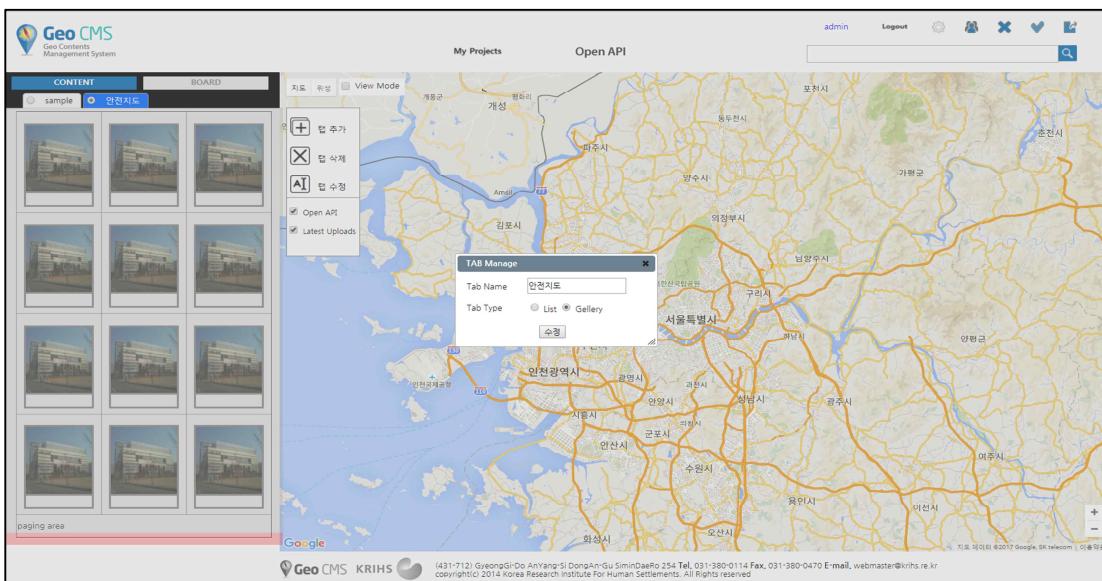


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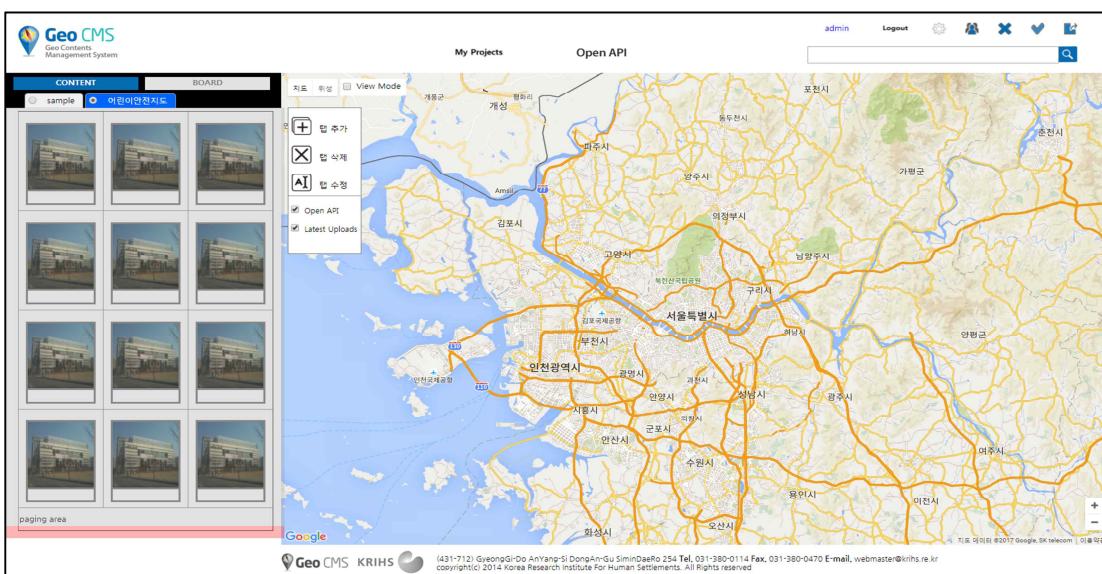
3.1.5. Edit tab

- Modifying the tab

- After selecting the tab radio button to edit, click 'Edit tab' button and save the tab name and type to change.



- Completed tab editing



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3.1.6. User Management

- Manage users
 - Changing the user's authority (TYPE) and saving will change the authority of the user.

ID	EMAIL	REG_DATE	TYPE
parkgk88	parkgk88@gmail.com	2017-08-08	MODIFY ▾
kimgk88	kimgk88@gmail.com	2017-08-08	MODIFY ▾
turbo	turbo@gmail.com	2017-08-08	MODIFY ▾
admin	undefined	2017-08-07	ADMIN ▾

Change Type : --select-- ▾

10개씩 ▾ < 1 > save cancel

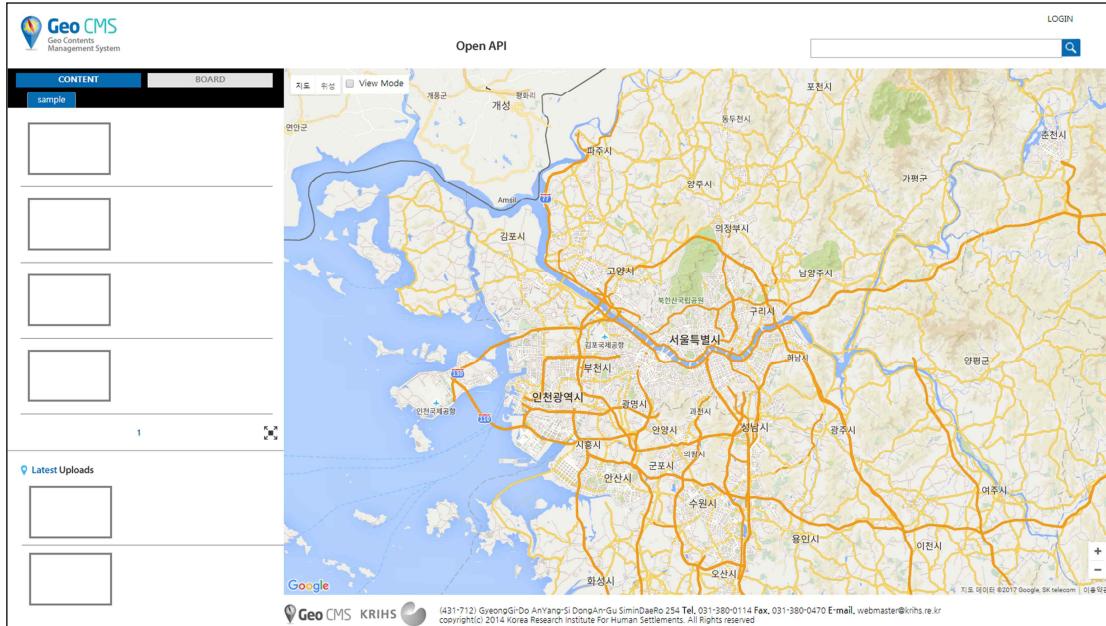
- Initial screen after changing UI

The dashboard features a top navigation bar with 'admin' and 'Logout' buttons, and a sidebar on the left with 'CONTENT' and 'BOARD' tabs, and a 'sample' link. The central area displays a detailed map of the Seoul metropolitan region, including Seoul, Gyeonggi-do, and parts of Incheon. The map shows roads, rivers, and administrative divisions like districts and counties. A legend at the bottom left indicates 'My Projects'.

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3.2. GeoCMS users

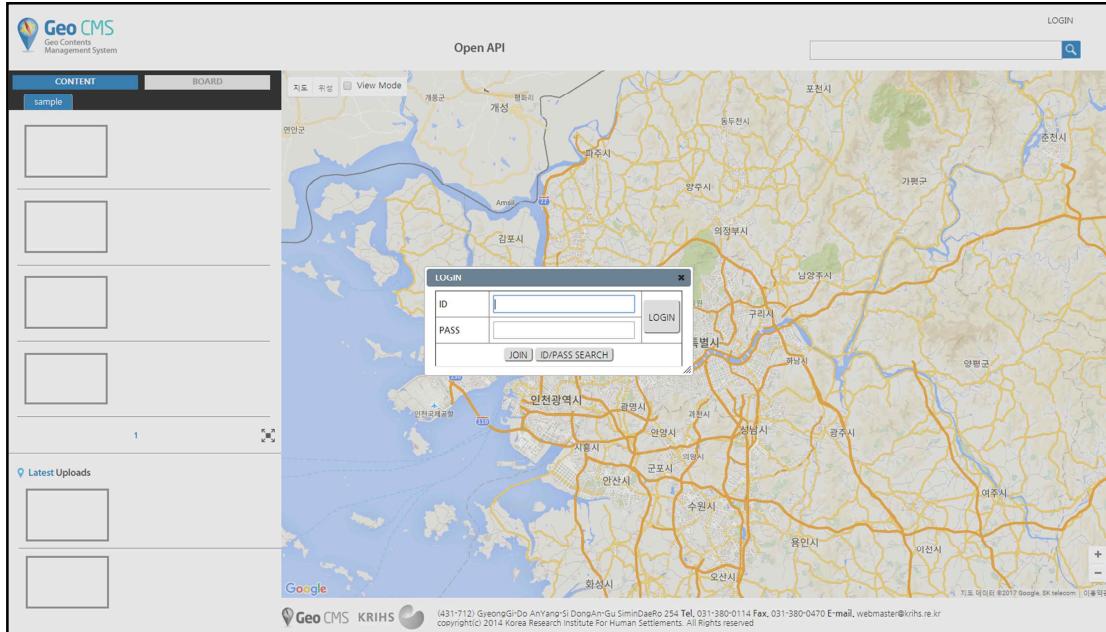
- When connecting to the main page, the initial screen appears.



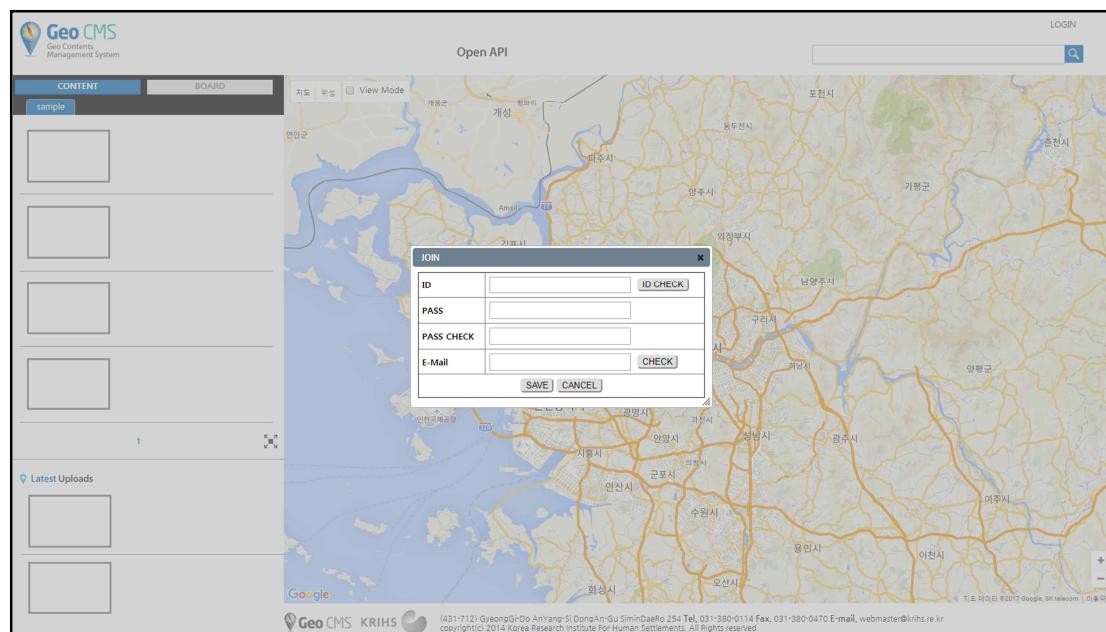
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3.2.1. Sign Up

- To register, click the 'LOGIN' button on the top right.

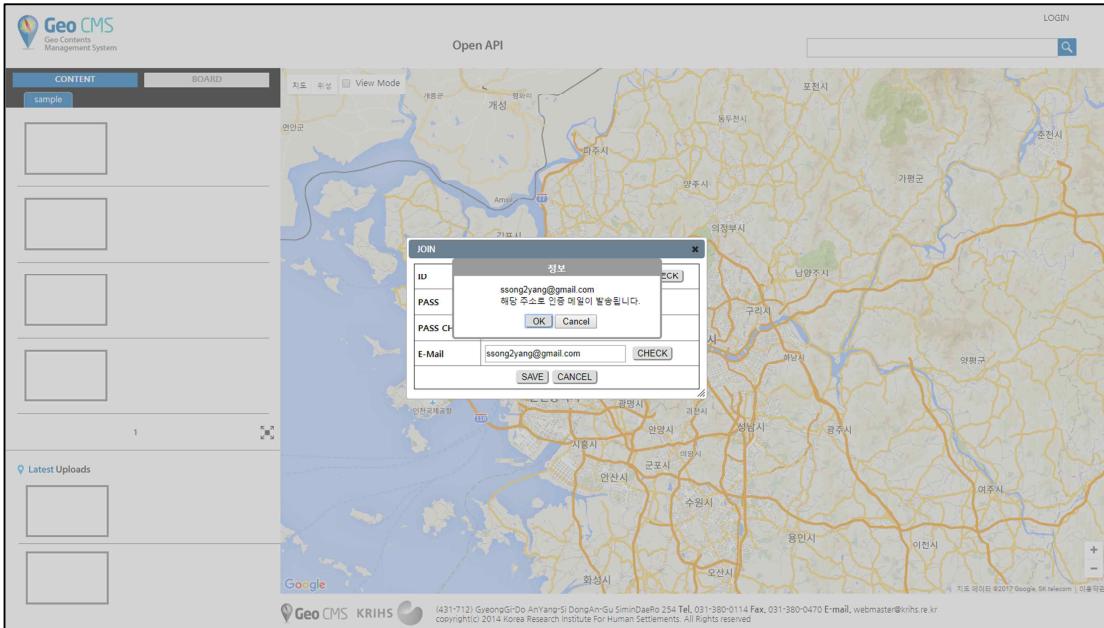


- Click the 'JOIN' button to register.



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- After creating ID, click 'ID CHECK' button (check same ID), and after creating PASS and E-Mail, click 'CHECK' button to receive authentication number.



- In the authentication e-mail, enter the authentication number at the bottom of the e-mail, click 'CONFIRM' button, and save.



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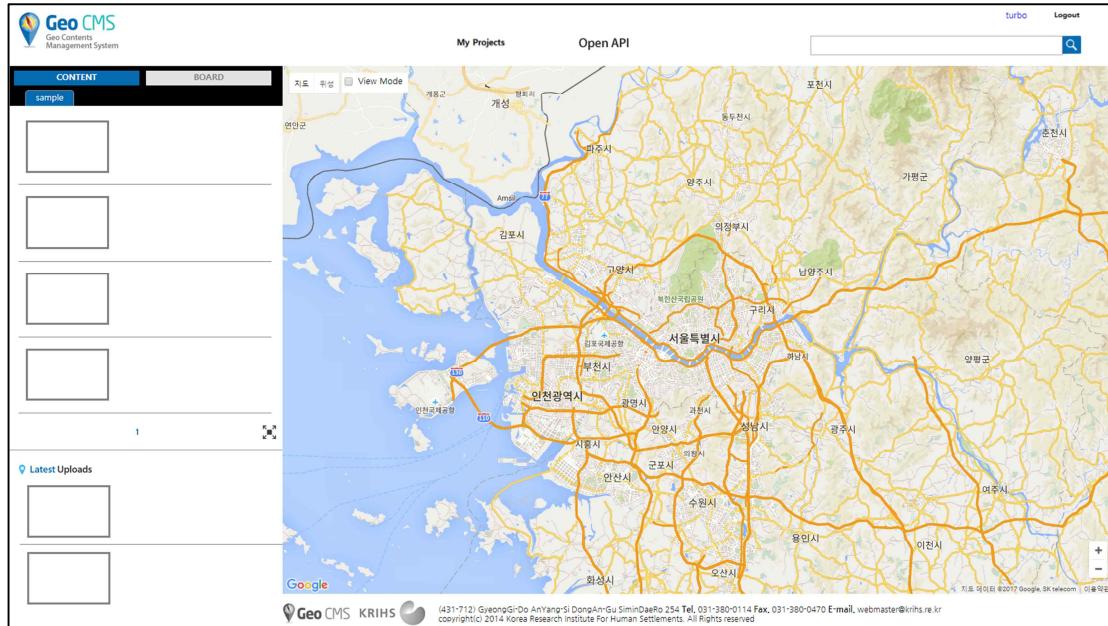
3.2.2. Find ID / Password

- Find your ID password
 - Click the 'ID / PASS SEARCH' button on the login screen.

- If you press 'search ID' button on the left side, 'ID search' button on the left will send the ID to the entered email. If you press 'search PASS' button after inputting ID and email on the right side, It sends it.

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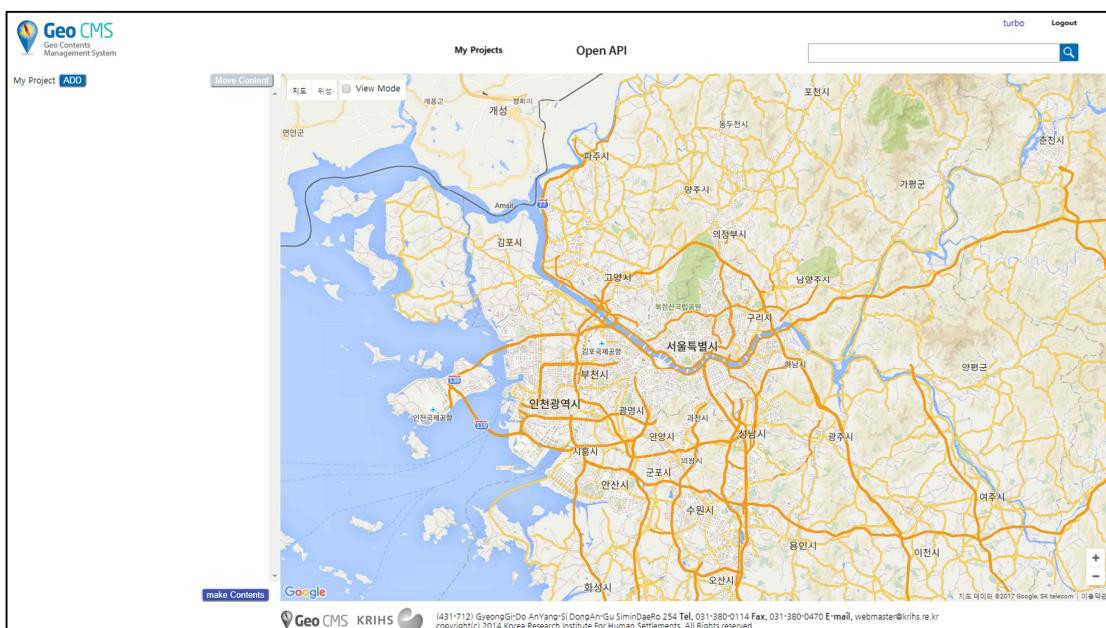
- The first screen after log-in (all public contents and contents that are revealed to oneself are shown)



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3.2.3. Create project

- Click the My Project menu.
 - Your project list appears and coordinates registered on the right map are drawn.
 - Lists shared by other users are also displayed.



- Registering a new project
 - After clicking 'ADD' button, after setting tab name, project name, and disclosure settings, a new project will be created.

Make Project

Tab Name	sample
Project Name	안전지대
<input checked="" type="radio"/> 비공개 <input type="radio"/> 전체공개 <input type="radio"/> 특정인 공개	
<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

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- When a specific person is selected, a window will be displayed to select whether the user is to be released and whether he / she has permission to edit.

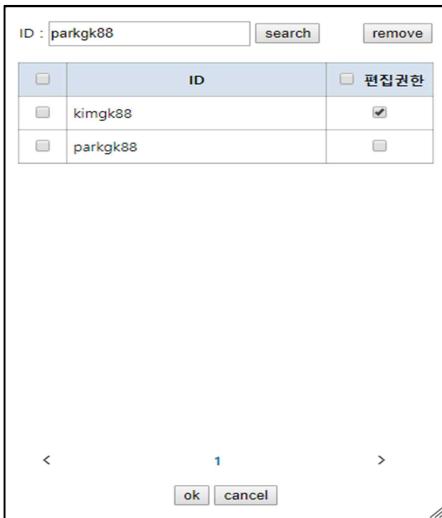


- Add it after searching for the user to be published.

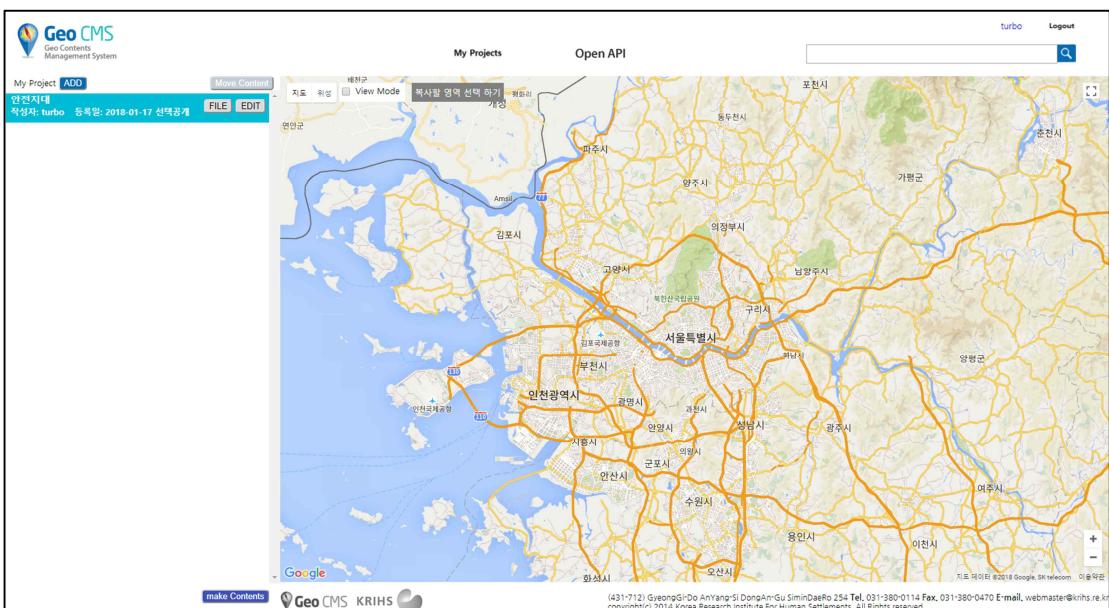


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- After granting the right of editing to a specific user, it is saved. (The shared user can view the contents of the project created by the user, and the sharing user with editing authority can modify the authored object in the corresponding content.)



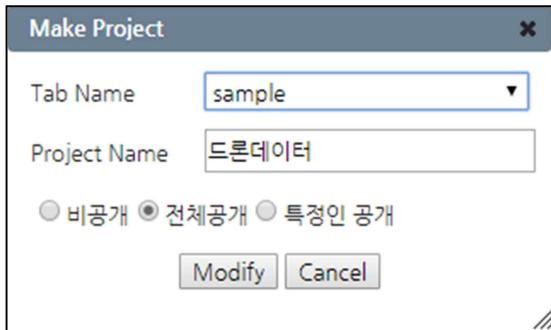
- Project creation completed
 - After creating the project, it appears as a list on the left screen and you can upload contents.



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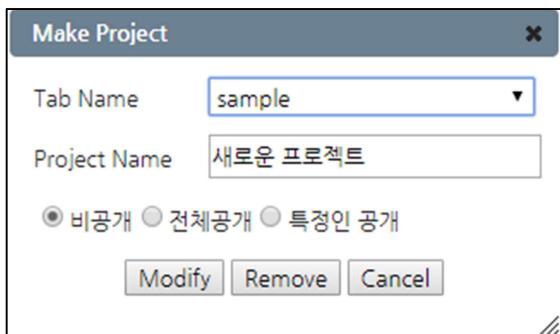
3.2.4. Modify project

- You can modify the tab name, project name and visibility setting when you click 'EDIT' button of project.



3.2.5. Delete project

- When you click 'EDIT' button of the project, if there is no image and video data belonging to the project, 'Remove' button is displayed.

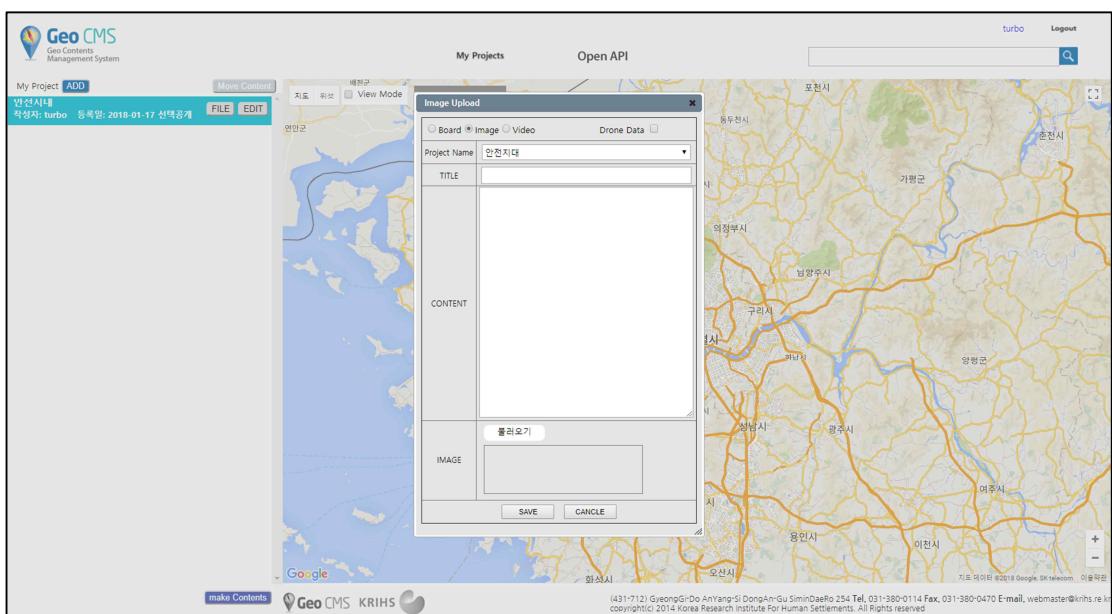


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3.2.6. Upload image

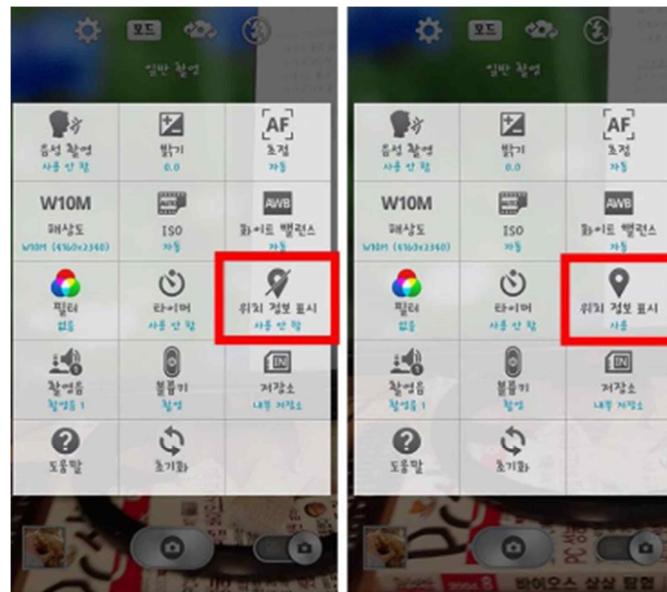
- Uploading images

- Click the 'make Contents' button to create the content and upload the photos.
(When drone data is checked, it is stored as drone data type, and radius is drawn in circular shape instead of fan shape of normal picture.)
- If there is no EXIF information in the photo, the location will not be saved. You can upload location information to .jpgw, .gifw, .pngw, .bmpw, .jgw, .gfw, .pgw, Do. (Matches the file name. See Uploading Coordinate File in 3.2.16.)



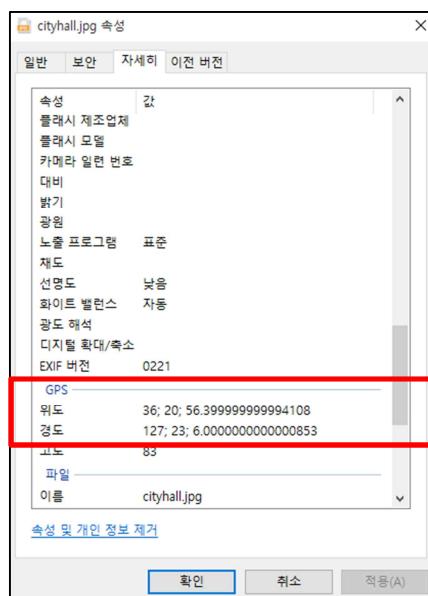
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- The location information is displayed only if the photo contains gps information. Before you take a picture, you need to set the location information in the settings of your smartphone to enable the location information. And when you use the camera app, you can also use the GPS function of the camera app.



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- When you view the information of the photo taken after setting the location information display, it contains gps information together with EXIF information.
- Exif (EXchangable Image File format) is an image file format used in digital cameras. This data is used in JPEG, TIFF 6.0, RIFF, and WAV file formats and adds metadata that includes information about the photo. Exif is not supported for JPEG 2000, PNG or GIF files.
- Exif metadata provides information such as camera manufacturer, camera model, rotation direction, date and time, color space, focal length, flash, ISO speed, aperture, shutter speed, gps.



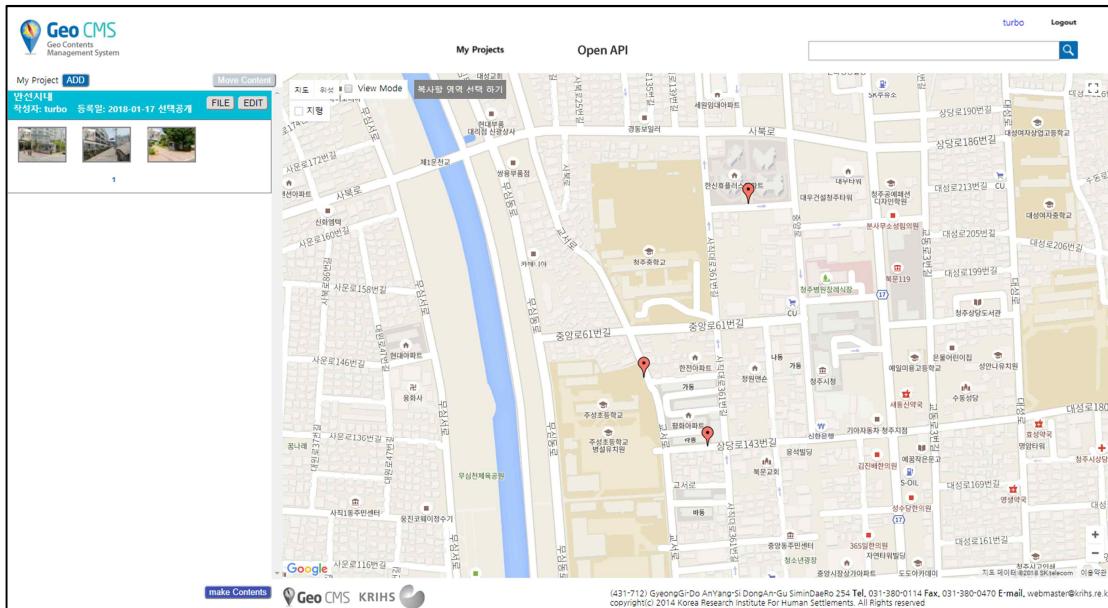
- pgw file example

The fifth line has longitude coordinates, and the sixth line has latitude coordinates.

```
0.00000033990993301096
0
0
-0.00000026949458523586
17.86015502501203400243
40.43544545377322663171
```

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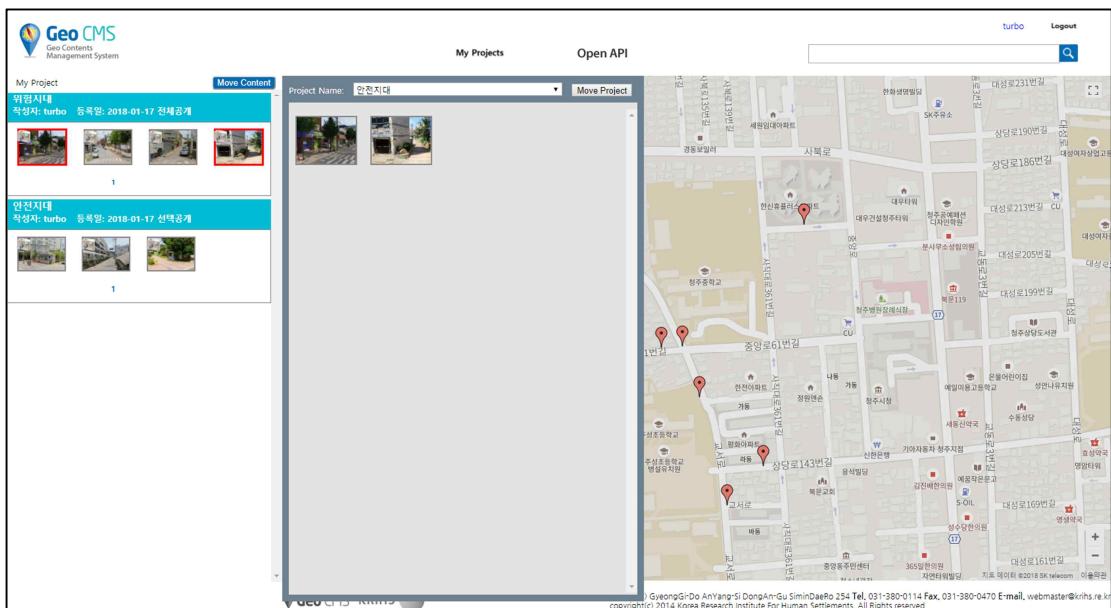
- After uploading a photo, a list of photos will appear in the project list on the left, and the location of the photos in the active project will be displayed on the map on the right.



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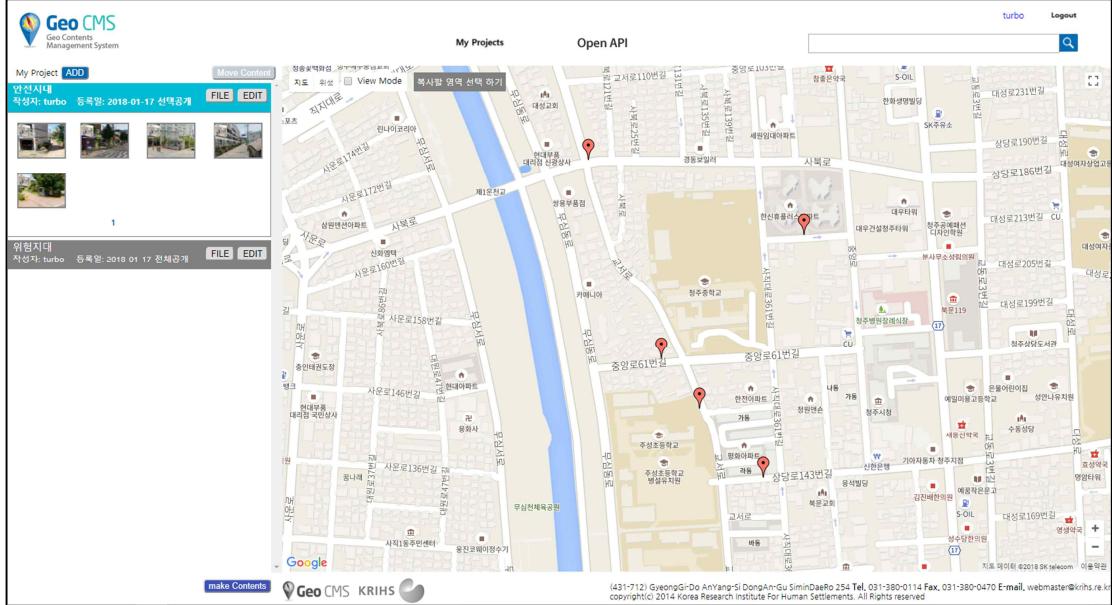
3.2.7. Move content within a project

- After adding a project, you can move the contents in the project to another project.
 - After clicking the 'move content' button, the content viewer window to move to the right is displayed. A red frame is displayed on the content to be moved when the content is clicked, and the corresponding content is displayed on the viewer.



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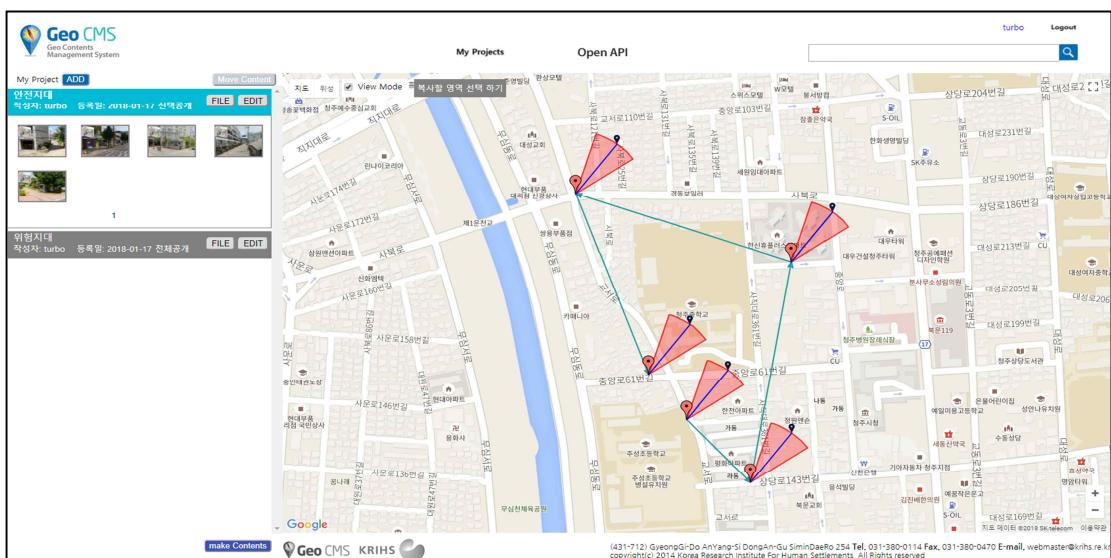
- Select the project to move in the viewer window and click 'move Project' button to move the contents to the project.



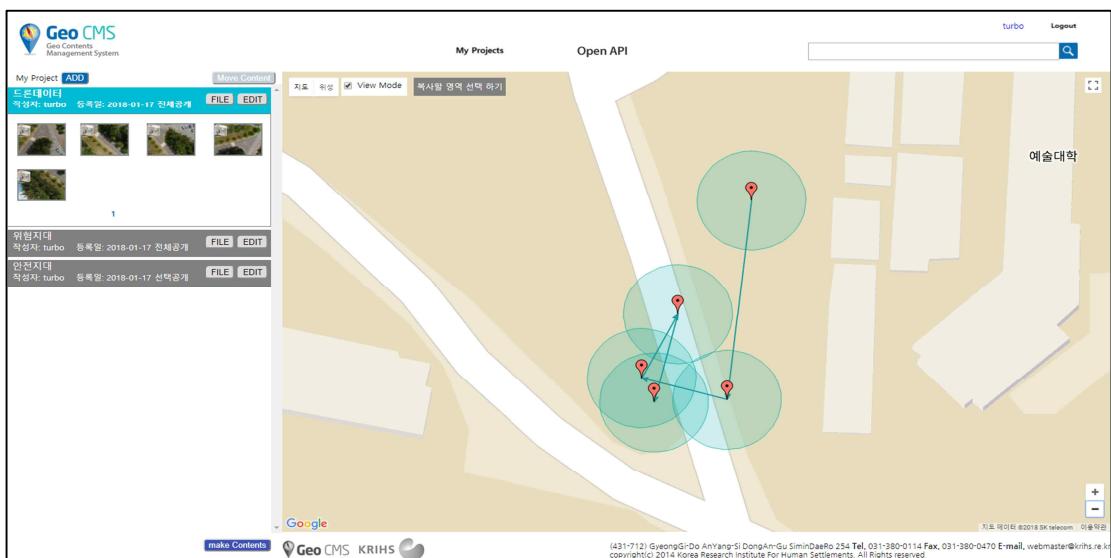
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3.2.8. View Mode

- When you check the view mode on the right map, the route is drawn in the order of seqNum of the corresponding project on the map, and the radius is displayed together.
- General data



- Drone data



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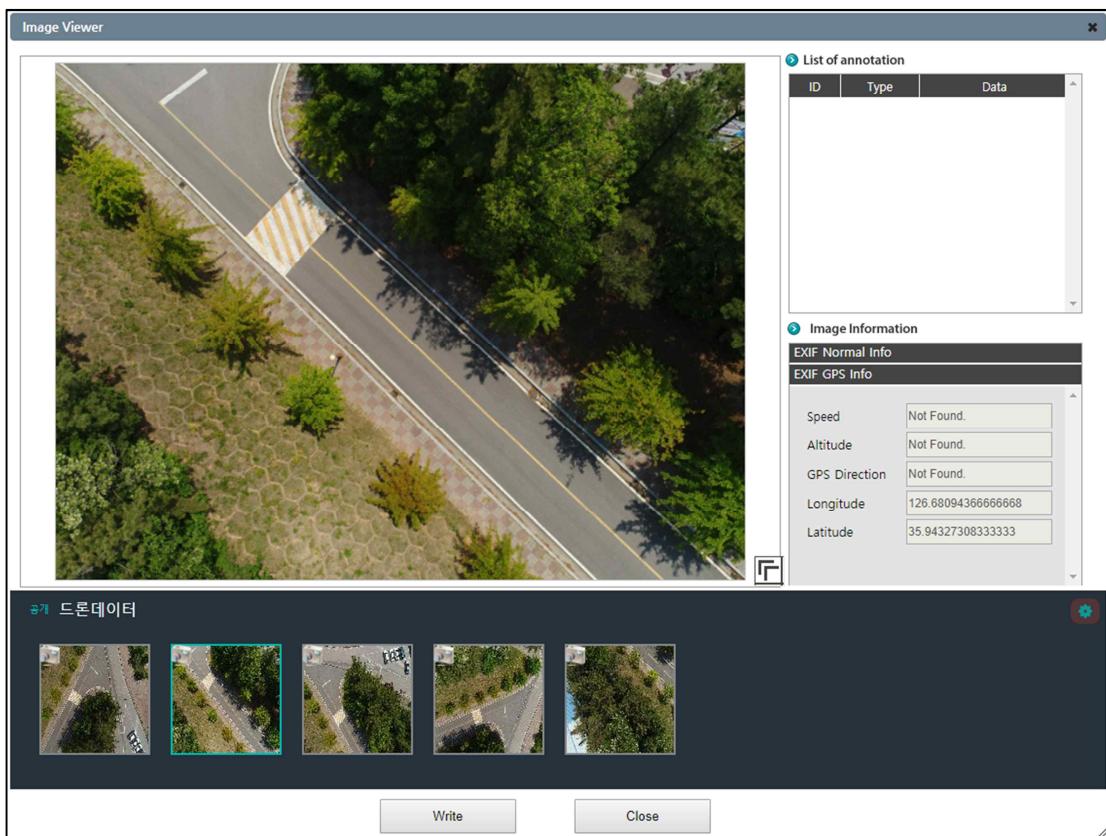
3.2.9. Image viewer

- When you click on the picture on the right side, the position of the picture is displayed on the right side with a yellow marker.



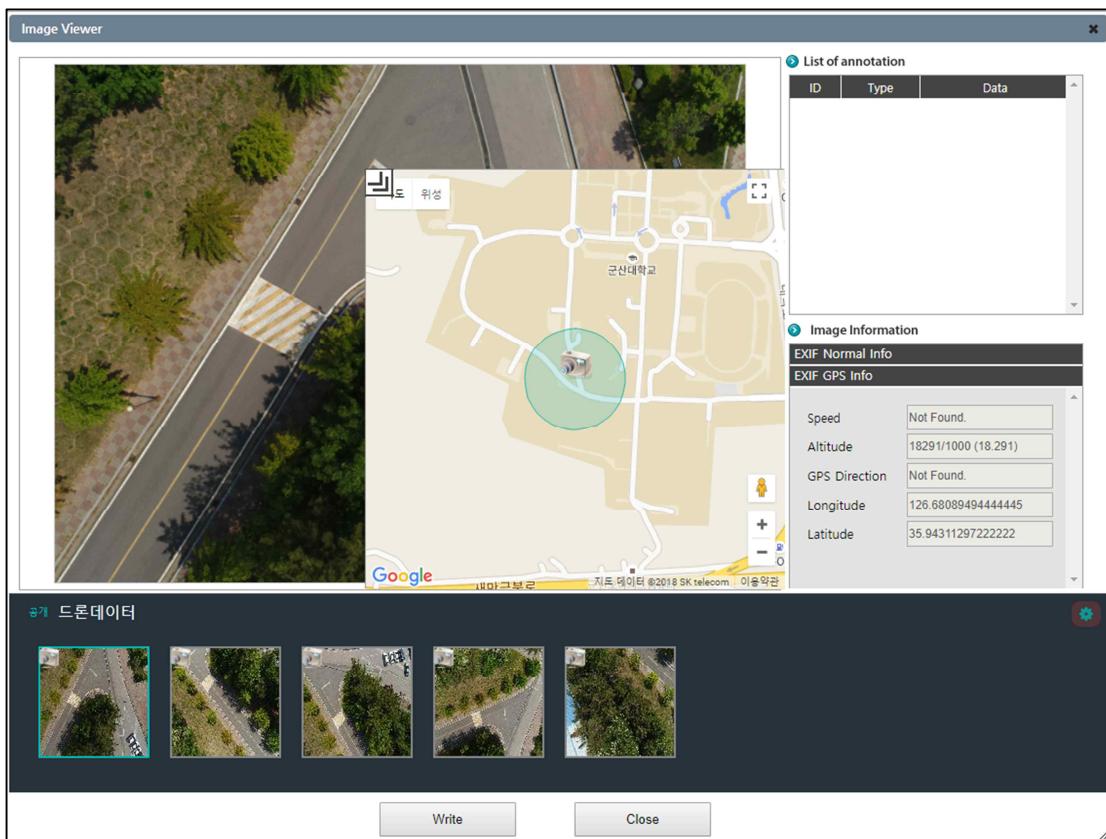
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- When clicking the Marker, the Image Viewer window will appear.
 - The selected image is set as the main image and the corresponding image in the bottom image and video list is displayed as a green frame.



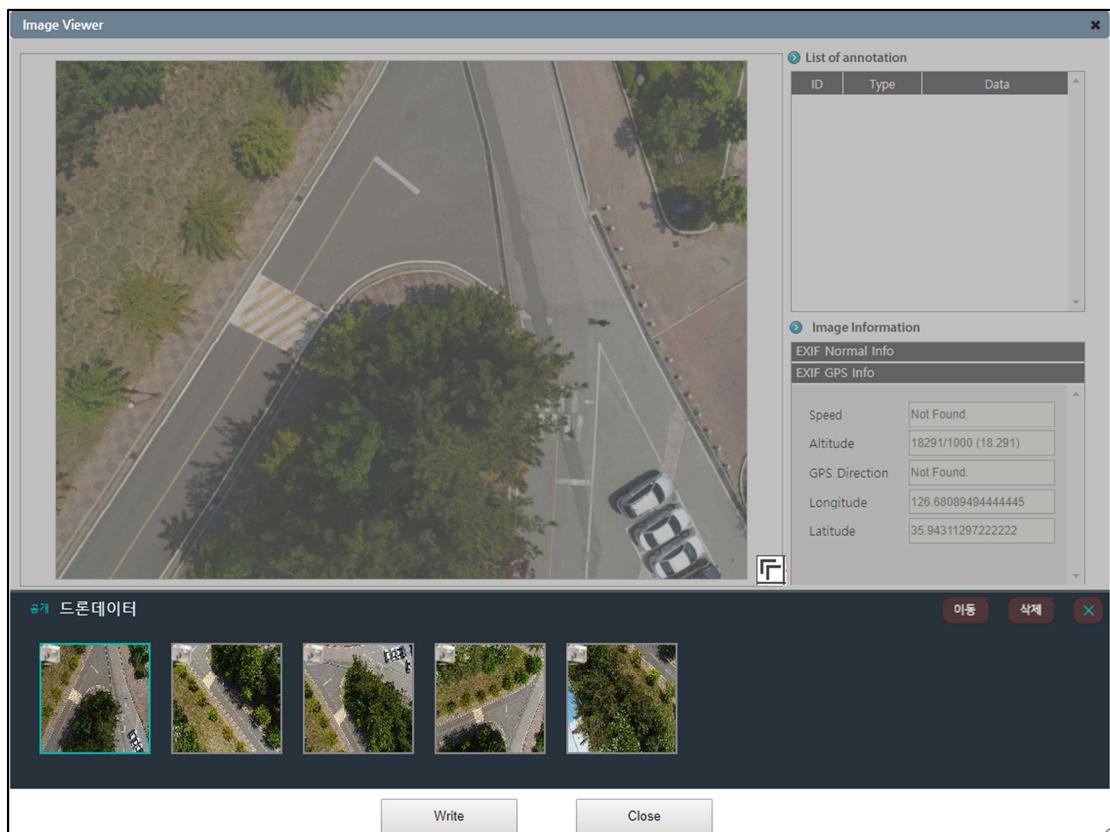
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- In the Image Viewer window, the list of annotation, EXIF information (Image Information) and Map information and radius of the corresponding photo, and the image and video list of the project are displayed together.
 - You can see the map by using the arrow buttons at the bottom right of the main image.



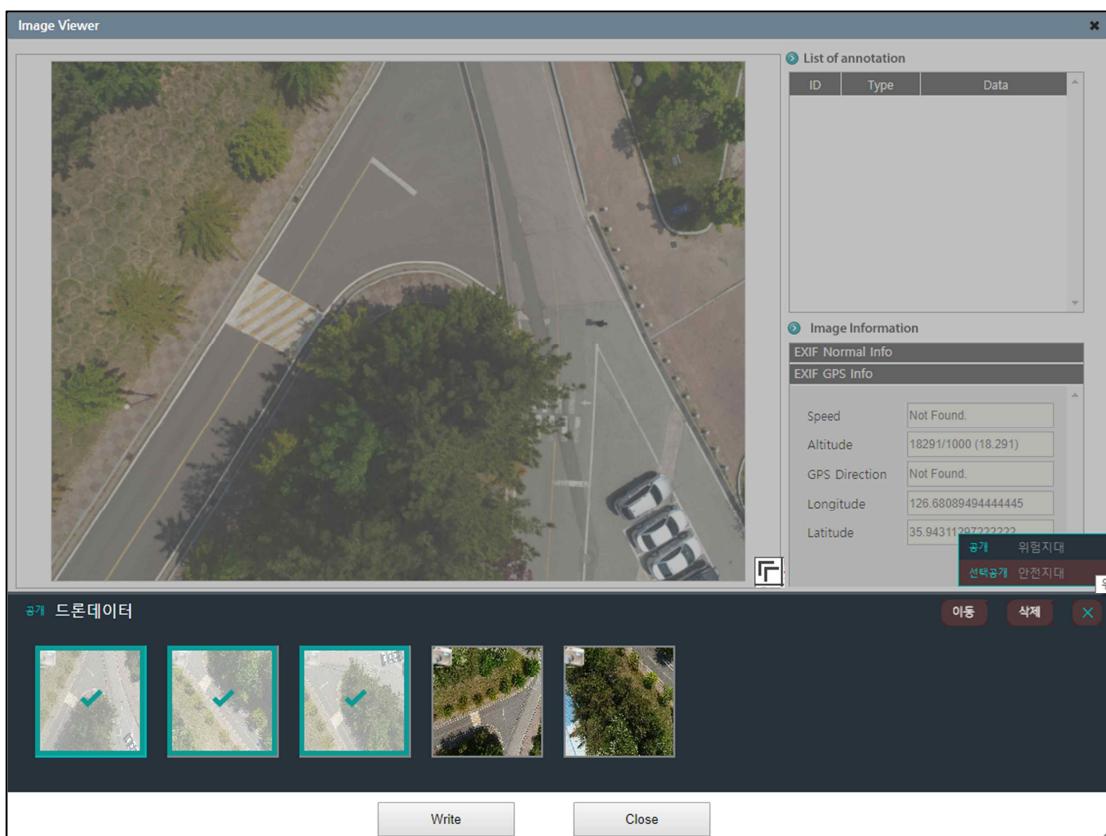
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- When clicking the setup button on the bottom right, you can select multiple images and movies and move or delete them to another project.
 -  (Settings button) Click screen



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- If you click 'Go' button after selecting images and videos, a list of projects that can be moved will appear, and the selected images and movies will be moved to the corresponding project. (When moving the main image, the main image is changed to the first data of the remaining project list. If there is no data in the project, the notification window is opened and the window is closed.)



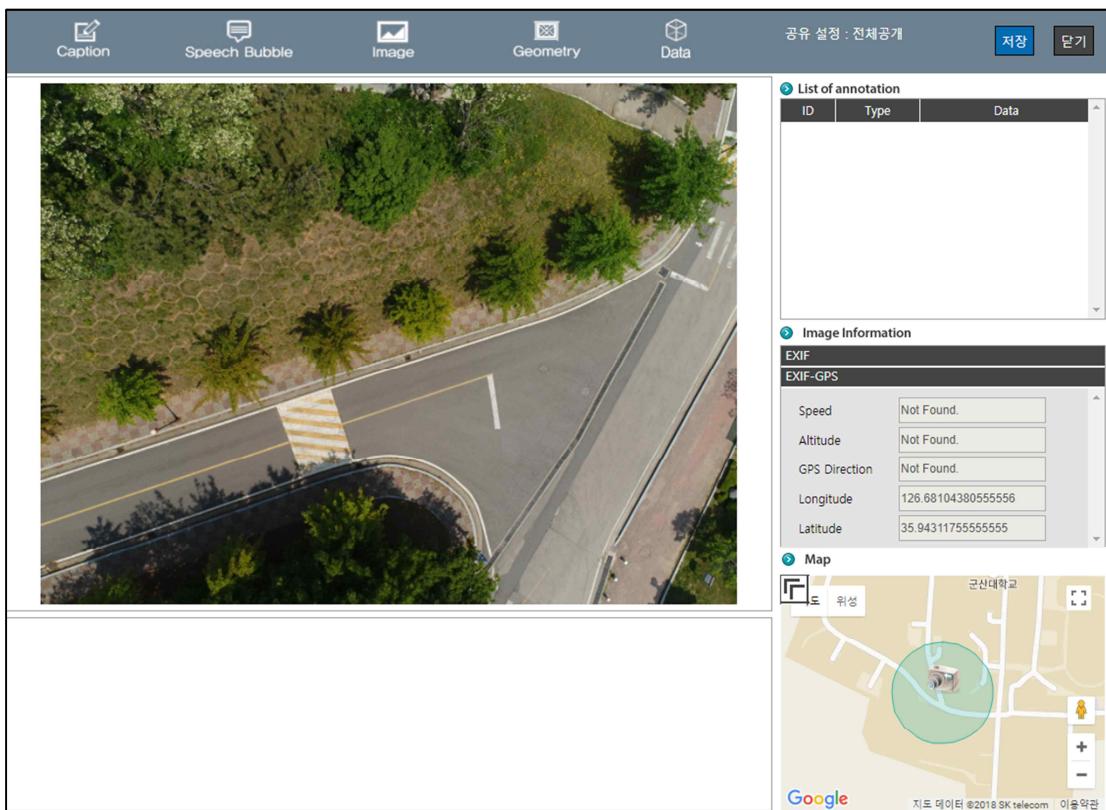
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3.2.10. Image editor

- Click the 'Write' button at the bottom to display a window where you can edit the object in the picture.

Zone settings and captioning, speech bubbles, and authoring information represented by icons

- Top menu: Caption / speech bubble / icon / area setting / data information
- Expressions in captions and speech bubbles
- Expression of authoring information using icon
- Free area representation using area setting options
- Check the list of objects added to the List of annotation on the right side



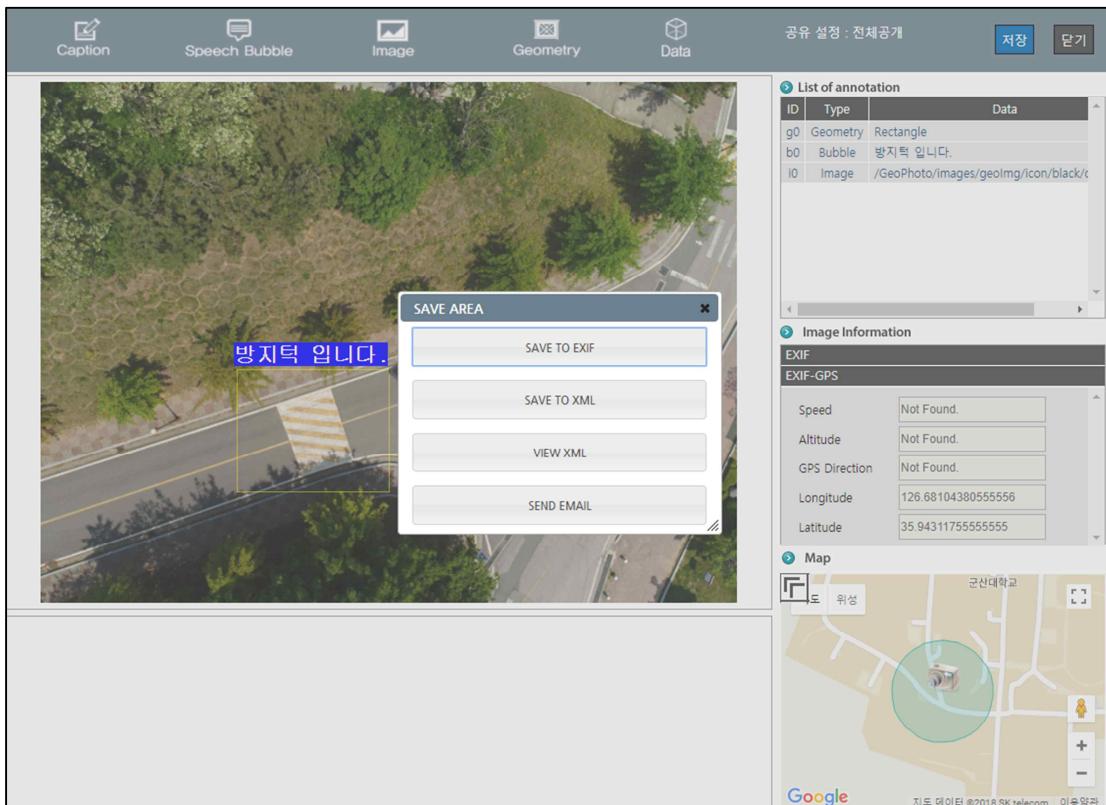
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- Apply various icons to change additional presentation and data and sharing settings



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- Select the save method after authoring
 - Save to EXIF
 - Save to XML
 - Content sharing via e-mail



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- Check XML file

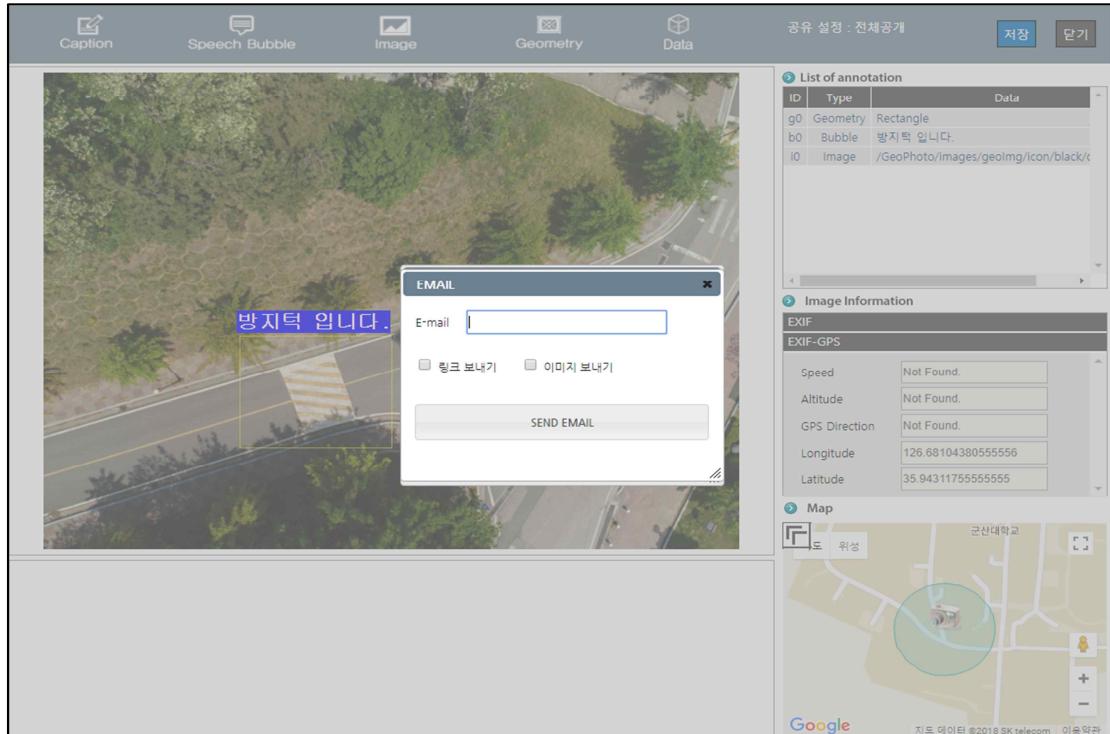
```

<?xml version="1.0" encoding="utf-8"?>
<GeoCMS>
<obj>
<id>g</id>
<top>300</top>
<left>235</left>
<xstr>235_391</xstr>
<ystr>294_420</ystr>
<linecolor>#ff0</linecolor>
<backgroundcolor>#FF0000</backgroundcolor>
<type>rect</type>
</obj>
<obj>
<id>b</id>
<top>250</top>
<left>232</left>
<href>false</href>
<underline>false</underline>
<italic>false</italic>
<bold>true</bold>
<fontsize>H1</fontsize>
<fontcolor>#ffffff</fontcolor>
<backgroundcolor>#0000ff</backgroundcolor>
<text>방지턱 입니다.</text>
</obj>
<obj>
<id>i</id>
<top>268</top>
<left>390</left>
<width>79px</width>
<height>68px</height>
<src>/GeoPhoto/images/geolmg/icon/black/d130.png</src>
</obj>
<obj>

```

GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

- Click the 'SEND EMAIL' button to enter the email to be shared, then select Send Link and Send Image to share the link and image.



- You can go to the link and check the image through the received e-mail.
 - Click the link button to display the corresponding image viewer.

geocmsmaster@gmail.com

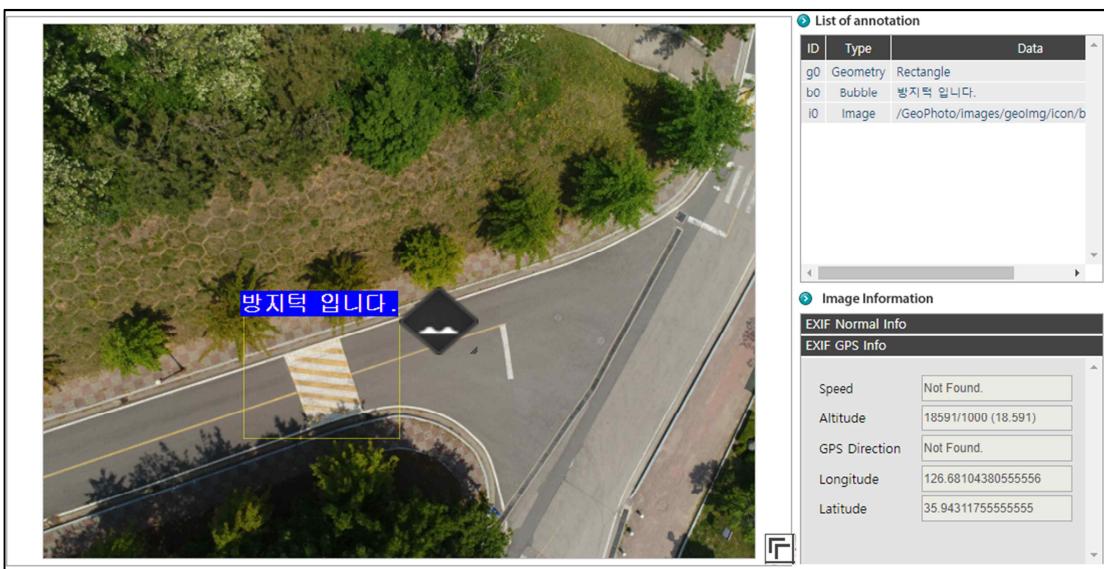
나에게 ▾

요청하신 url 주소는 [링크로 가기](#)



GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

- Confirmation of authoring items through Image Viewer
 - When I check the image viewer by link, the bottom image and video list are not shown.

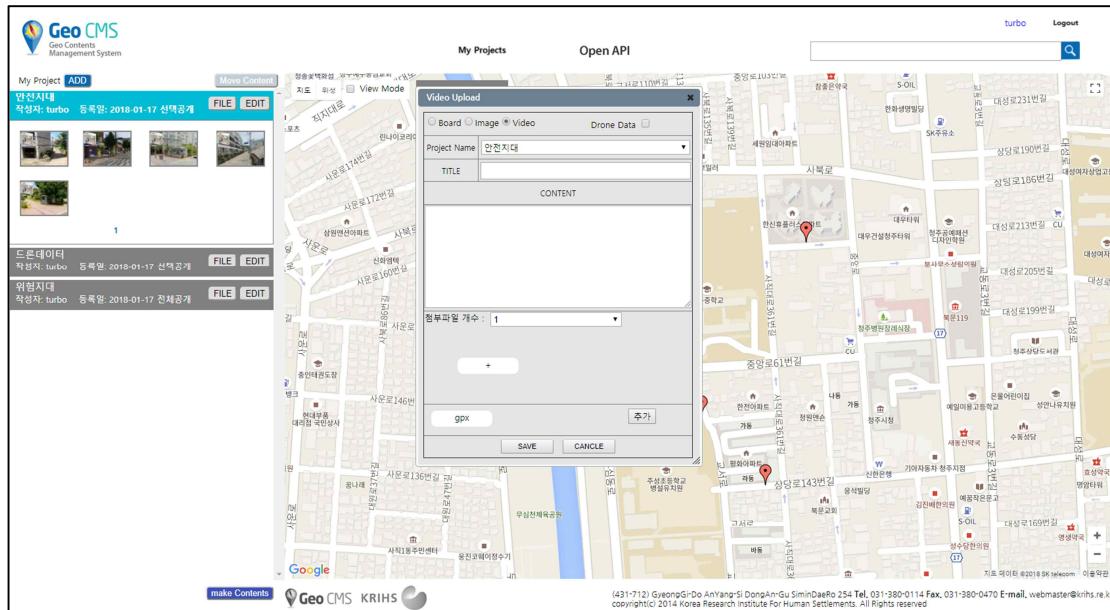


GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

3.2.11. Upload video

- Uploading videos

- Click the 'make Contents' button to create the content and then select the video to upload the video.
- When uploading the video, upload the video file and the gpx file containing the location information.
- Up to 4 video files can be registered, and the gpx file containing the location information can be added and registered using the add button. The corresponding gpx is merged and stored in the order of the files.
- If you do not upload the gpx file, the location will not be saved. You can upload the location information to the gpx file where the location information is recorded later. (Matches the file name. See Uploading Coordinate File in 3.2.16.)



GeoCMS Manual	Project classification	Land Spatial Information Research Project
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- The GPX eXchange format (GPX) file
VP, MapSource, OziExplorer, MapSend Lite, GTM and other GPS mapping software. It contains GPS data information such as waypoints, tracks, and routes.

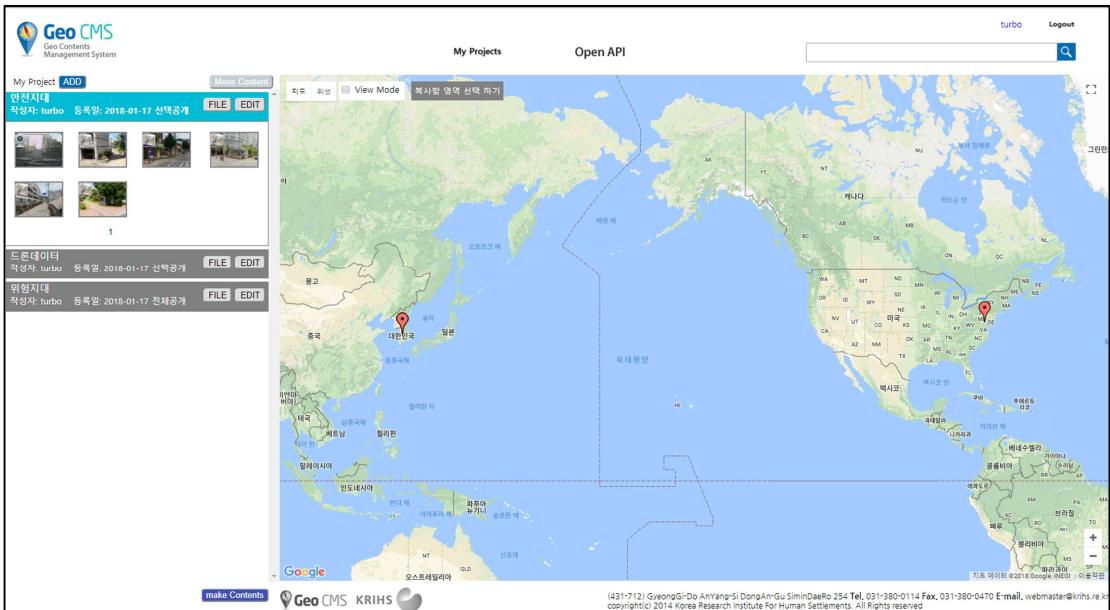
```

<?xml version="1.0" encoding="UTF-8"?>
<gpx xmlns="http://www.topografix.com/GPX/1/1" creator="GPS "
<metadata>
<link href="http://www.gpstm.com">
<text>Geo Studio Technology Ltd</text>
</link>
<time>2010-03-07T03:17:44Z</time>
</metadata>
<trk>
<name>25-video_20100305_112506 on GPSies.com</name>
<trkseg>
<trkpt lat="36.349095424" lon="127.38477134698378"></trkpt>
<trkpt lat="36.349095424" lon="127.38456749909865"></trkpt>
<trkpt lat="36.349095424" lon="127.3843421935414"></trkpt>
<trkpt lat="36.349095424" lon="127.38417053216445"></trkpt>
<trkpt lat="36.349095424" lon="127.38398814195143"></trkpt>
<trkpt lat="36.349095424" lon="127.38379502290236"></trkpt>
<trkpt lat="36.349095424" lon="127.38352680200087"></trkpt>
<trkpt lat="36.349095424" lon="127.38330149644362"></trkpt>
<trkpt lat="36.349173195" lon="127.38320493691909"></trkpt>
<trkpt lat="36.349268249" lon="127.38319420808303"></trkpt>
<trkpt lat="36.349389225" lon="127.383162021574"></trkpt>
<trkpt lat="36.349458355" lon="127.383162021574"></trkpt>
<trkpt lat="36.349579331" lon="127.383151292738"></trkpt>
<trkpt lat="36.349683025" lon="127.383151292738"></trkpt>
</trkseg>
</trk>
</gpx>

```

GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

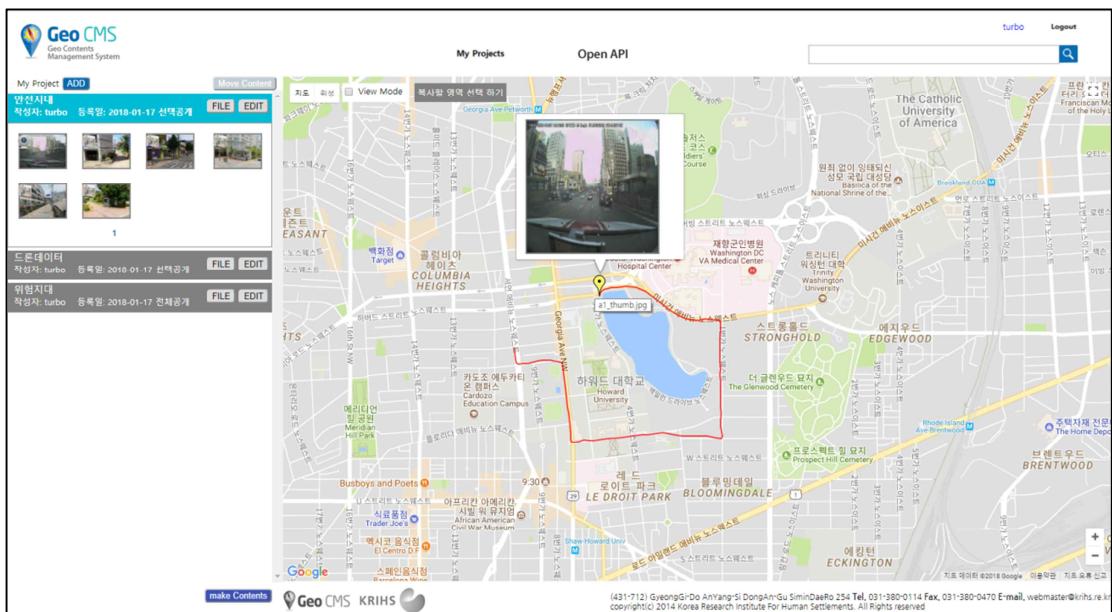
- After uploading the video, the thumbnail image of the corresponding video is displayed in the left list in the project and the location information corresponding to the first position of the gpx file is displayed on the right map.



GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

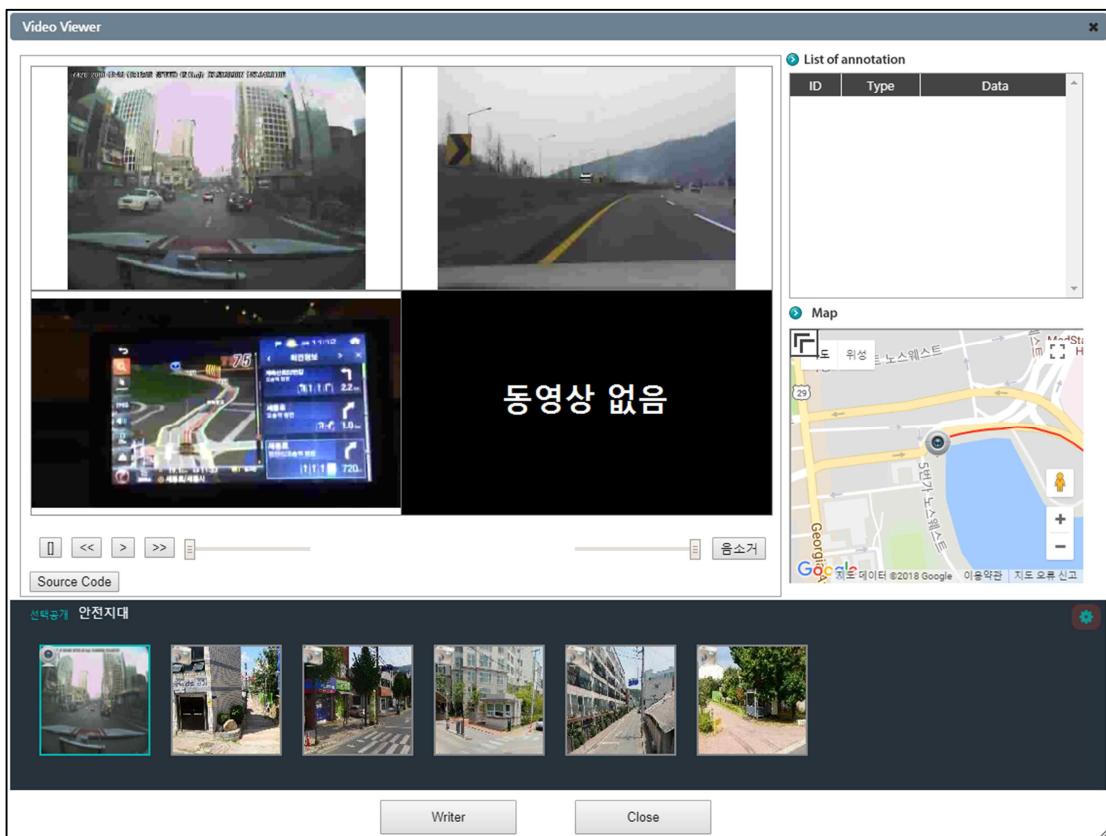
3.2.12. Video Viewer

- Click the image of the video on the left side and it will be displayed as a yellow marker at the start position. The path corresponding to the gpx file will be displayed as a red line, and the corresponding thumbnail and thumbnail name will be displayed when the mouse over.



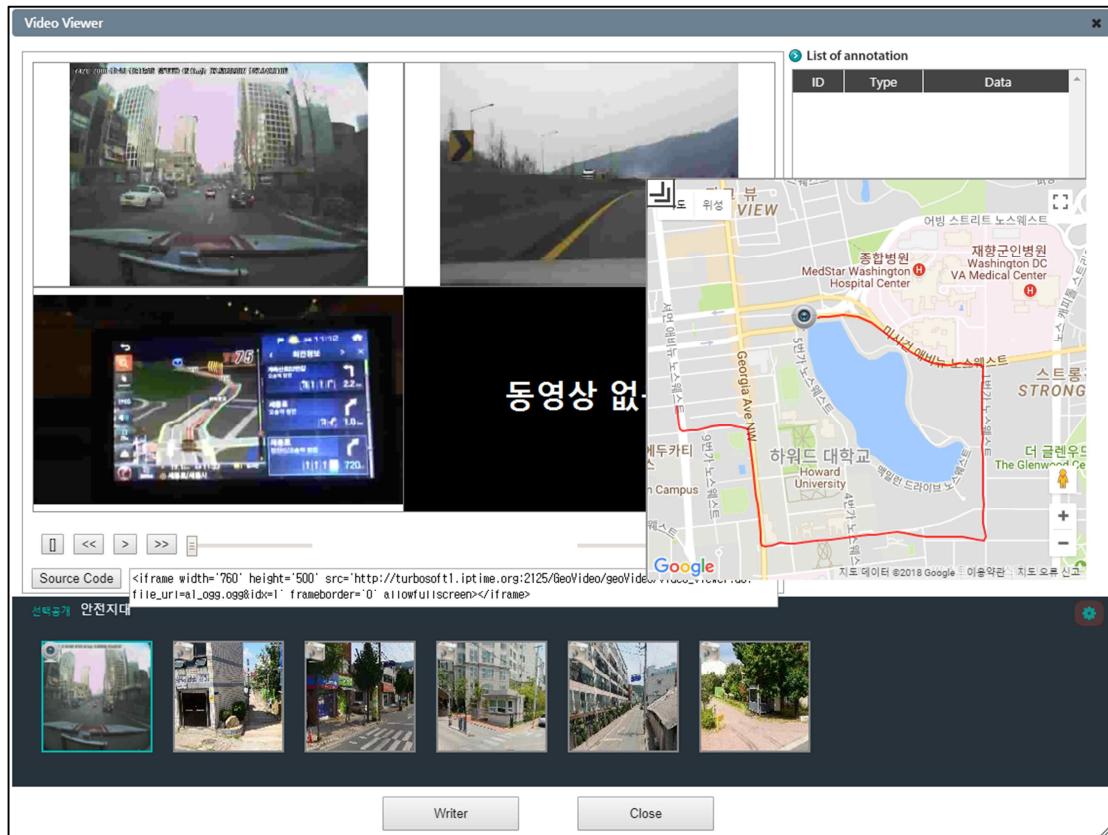
GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

- When clicking the marker, a window showing the video is displayed.
 - The selected video is set as the main video, and the thumbnail image of the corresponding video among the bottom image and the video list is displayed as a green frame.



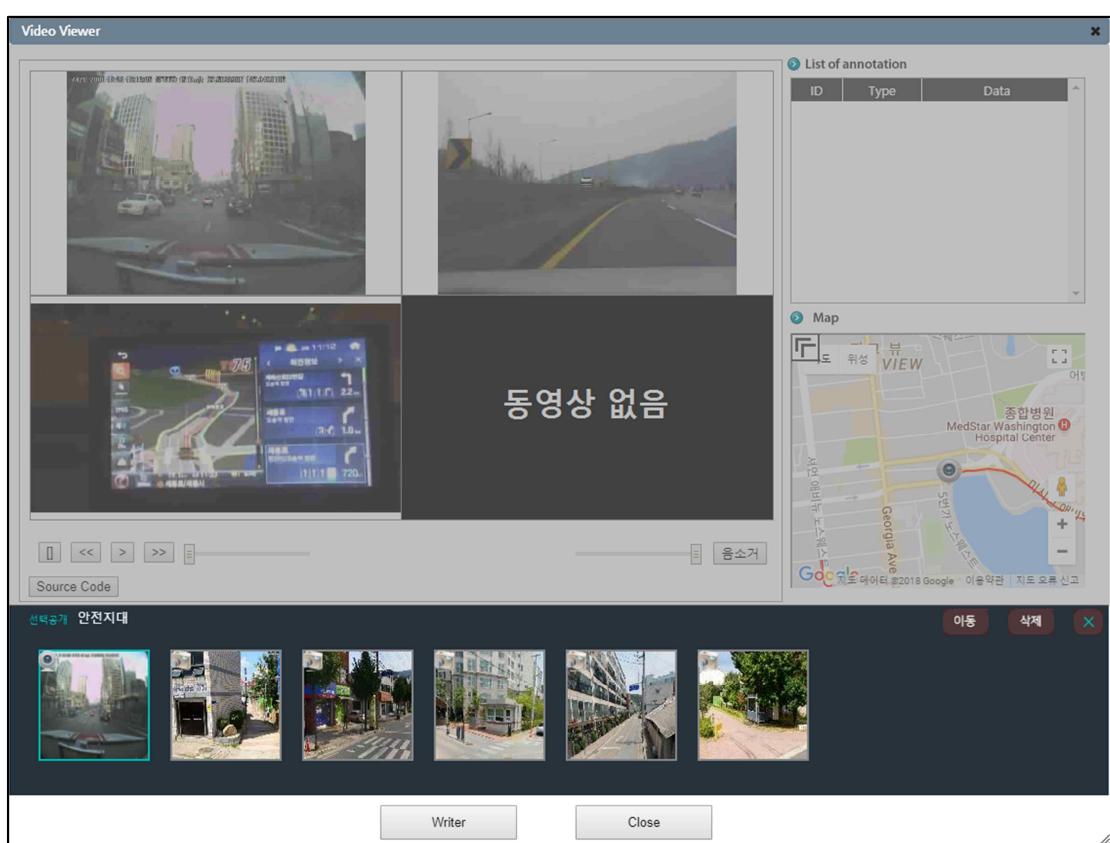
GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

- In the video viewer window, click the 'Source Code' button at the bottom of the video and the source code for attaching the video will be displayed. On the right is a list of the annotation and a map showing the movement route. At the bottom, a list of images and videos of the project is displayed.
 - Click the Play button to move the marker on the right while playing the video. (It is divided by the maximum movie length and moves every 1 second.)
 - You can change the size of the map by using the arrow buttons on the right map.



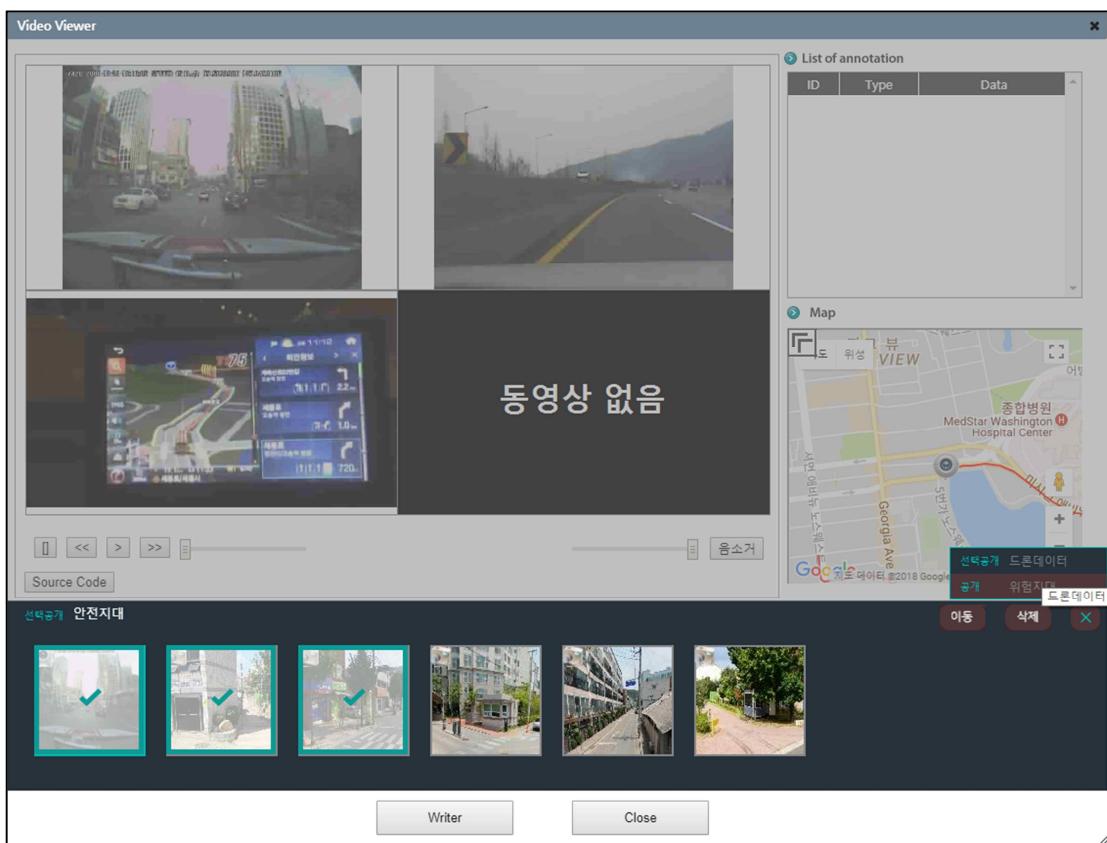
GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

- When clicking the setting button on the lower right side, you can move and delete images and movies to other projects like image viewer.
-  (Settings button) Click screen



GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

- If you click 'Go' button after selecting images and videos, a list of projects that can be moved will appear, and the selected images and movies will be moved to the corresponding project. (When moving the main image, the main image is changed to the first data of the remaining project list. If there is no data in the project, the notification window is opened and the window is closed.)



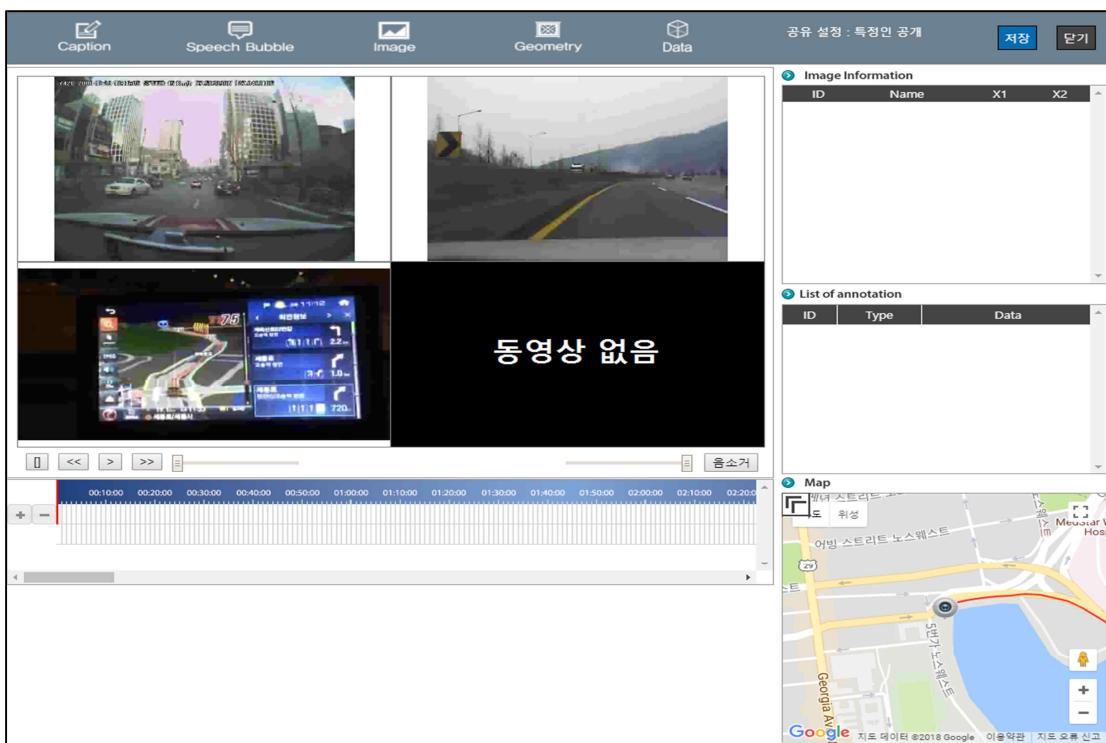
GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

3.2.13. Video authoring

- Click the 'Write' button at the bottom to display a window where you can edit the object in the picture.

Zone settings and captioning, speech bubbles, and authoring information represented by icons

- Top menu: Caption / speech bubble / icon / area setting / data information
- Expressions in captions and speech bubbles
- Expression of authoring information using icon
- Free area representation using area setting options
- Check the list of objects added to the List of annotation on the right side
- The frame area at the bottom of the video (information of the objects to be displayed in the corresponding frame of the moving picture)



GeoCMS Manual	Project classification	Land Spatial Information Research Project
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- Apply various icons to change additional presentation and data and sharing settings



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- Select the save method after authoring
 - Save to EXIF
 - Save to XML



GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

- Check XML file

```

<?xml version="1.0" encoding="utf-8"?>
<GeoCMS>
<obj>
<id>b</id>
<top>-12</top>
<left>10</left>
<href>false</href>
<underline>false</underline>
<italic>false</italic>
<bold>true</bold>
<fontsize>H1</fontsize>
<fontcolor>#ffffff</fontcolor>
<backgroundcolor>#0000ff</backgroundcolor>
<text>거리 화면</text>
<frameline>0</frameline>
<framestart>0</framestart>
<frameend>140</frameend>
</obj>
<obj>
<id>b</id>
<top>-11</top>
<left>392</left>
<href>false</href>
<underline>false</underline>
<italic>false</italic>
<bold>true</bold>
<fontsize>H1</fontsize>
<fontcolor>#ffffff</fontcolor>
<backgroundcolor>#0000ff</backgroundcolor>
<text>고속도로 화면</text>
<frameline>50</frameline>
<framestart>0</framestart>
<frameend>140</frameend>
</obj>
<obj>

```

GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

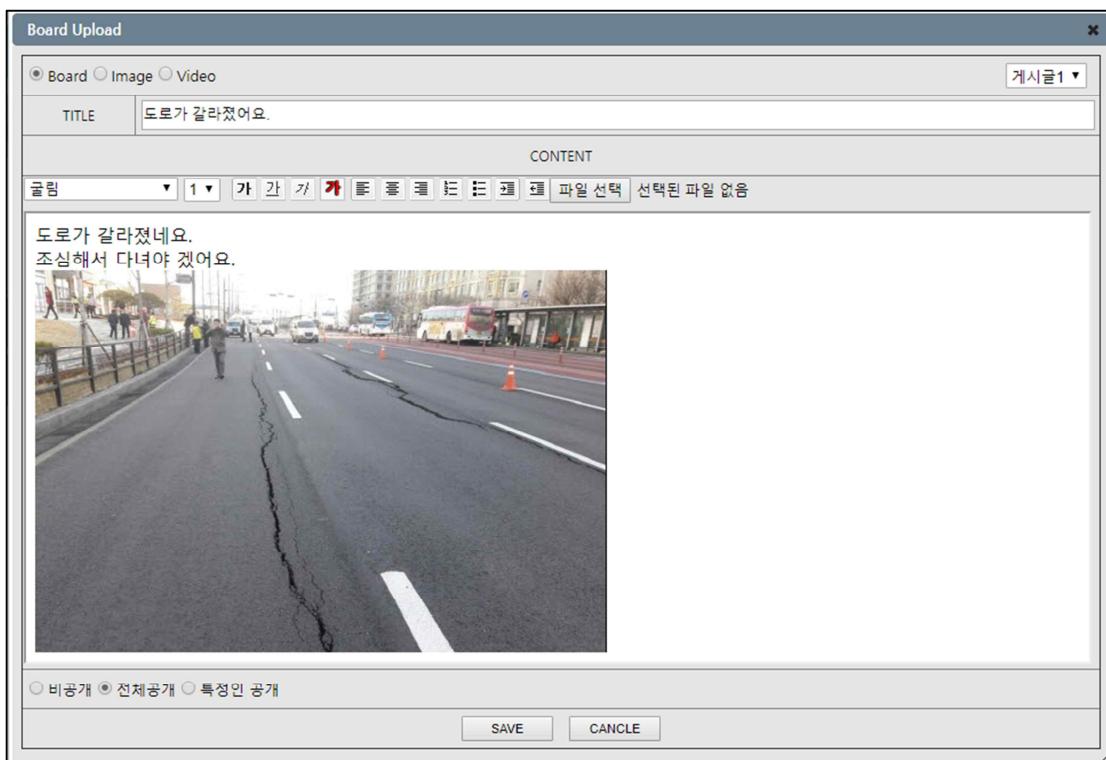
- Checking the contents of author through Video Viewer



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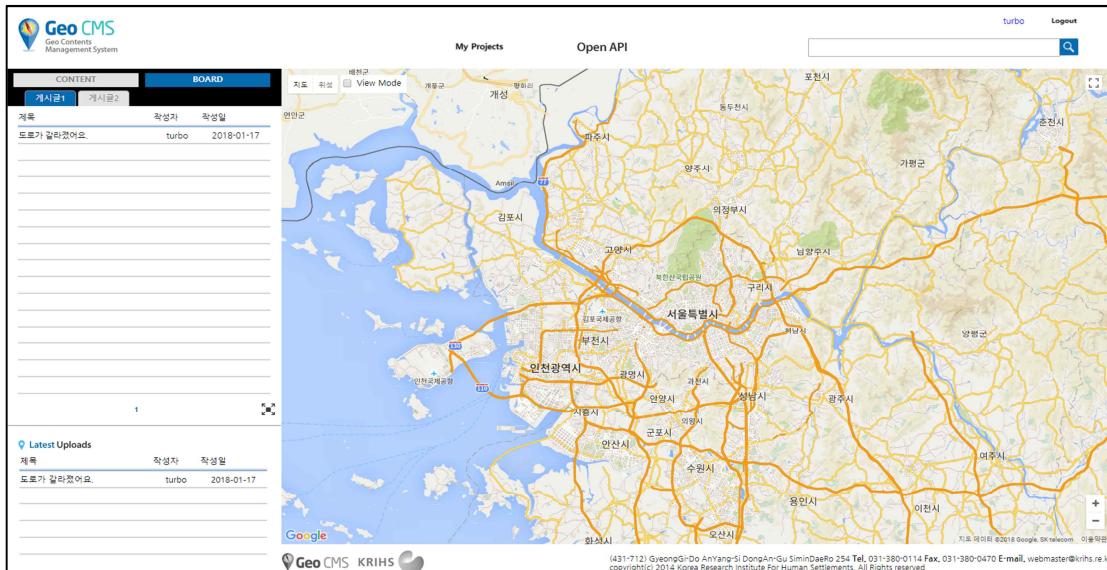
3.2.14. Upload a post

- Upload a post
 - Click the 'make Contents' button to create the content and select the Board to upload the video.
 - You can attach images using file selection.
 - You can select the tab to save through the right selection box, and it does not belong to the project.

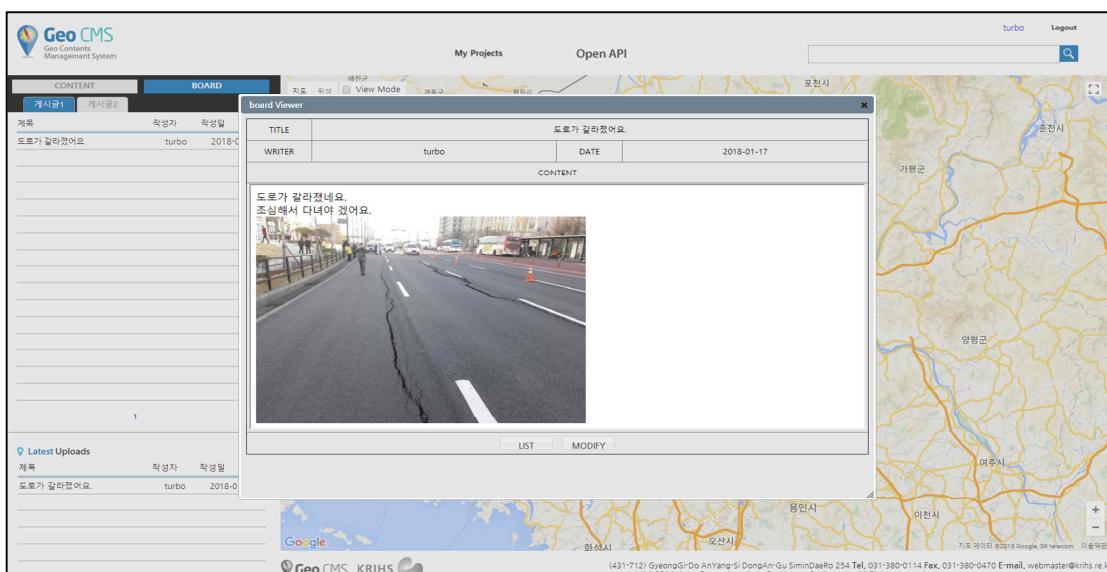


GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

- Confirm post saving
 - If you select Board on the main screen, the tab of the post will appear and a list of the posts on that tab will appear.



- Check the post
 - When you select a post from the list of tabs, the corresponding Board Viewer appears as a popup, and you can see the contents of the post.

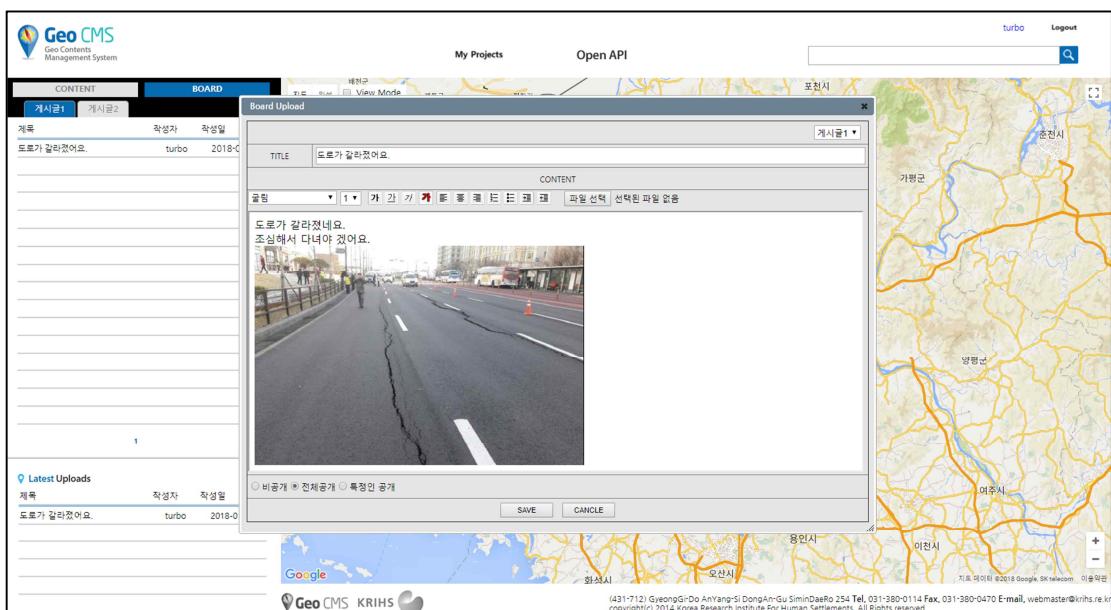


GeoCMS Manual	Project classification	Land Spatial Information Research Project
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3.2.15. Edit post

- Edit post

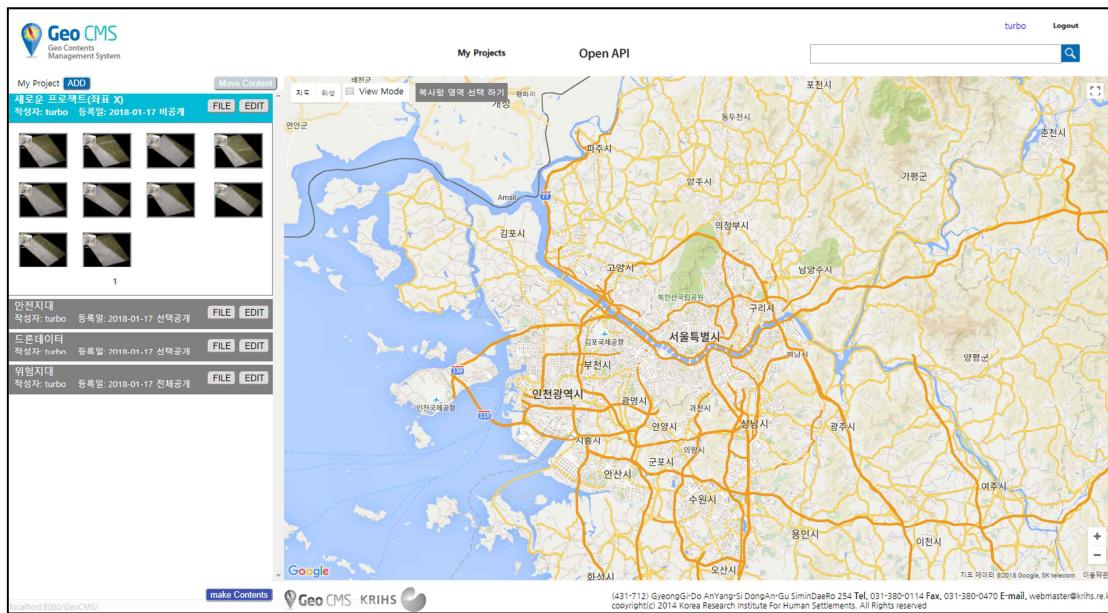
- If you click 'MODIFY' button on the Board Viewer after selecting the relevant post from the list, the Board Upload screen will be displayed, where you can edit the post. You can save it by clicking the 'SAVE' button after modifying the post.



GeoCMS Manual	Project classification	Land Spatial Information Research Project
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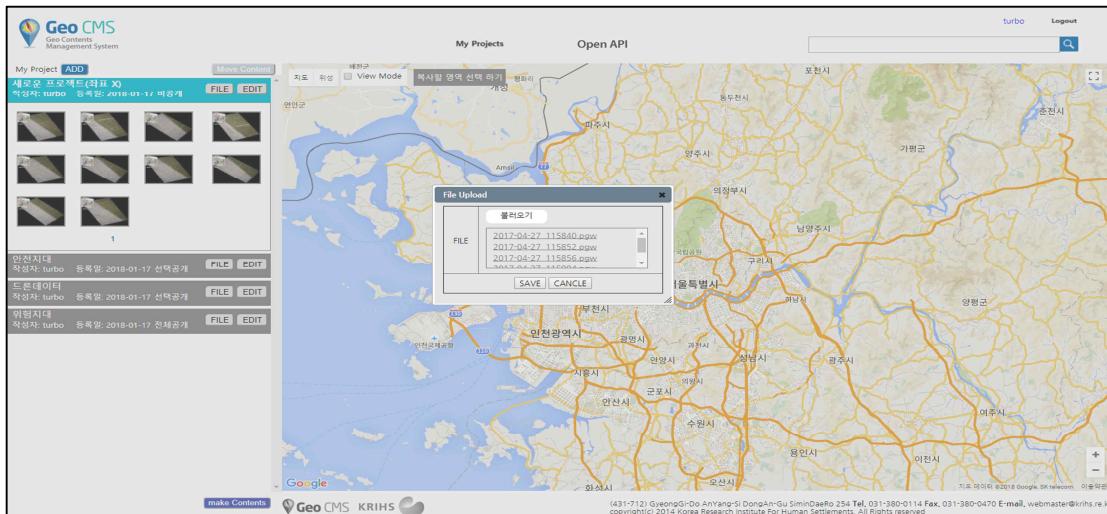
3.2.16. Upload coordinate files

- Uploading a coordinate file to an image file without EXIF information
 - If the image does not have EXIF information

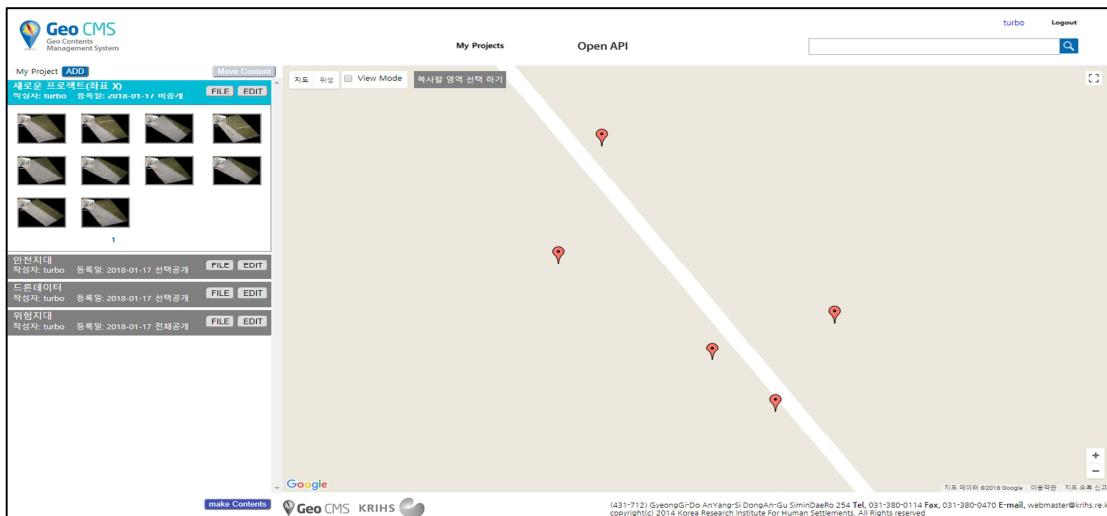


GeoCMS Manual	Project classification	Land Spatial Information Research Project
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- Click the 'FILE' button on the right side of the project and then the 'File Upload' popup window will appear. If you click 'SAVE' button after selecting the coordinate file, data with the file name of the same image and movie data as the uploaded file name, is updated.
 - Coordinate files of image can be .jpgw, .gifw, .pngw, .bmpw, .jgw, .gfw, .pgw, .bpw and video coordinate files can be .gpx files.
 - Coordinate file upload screen



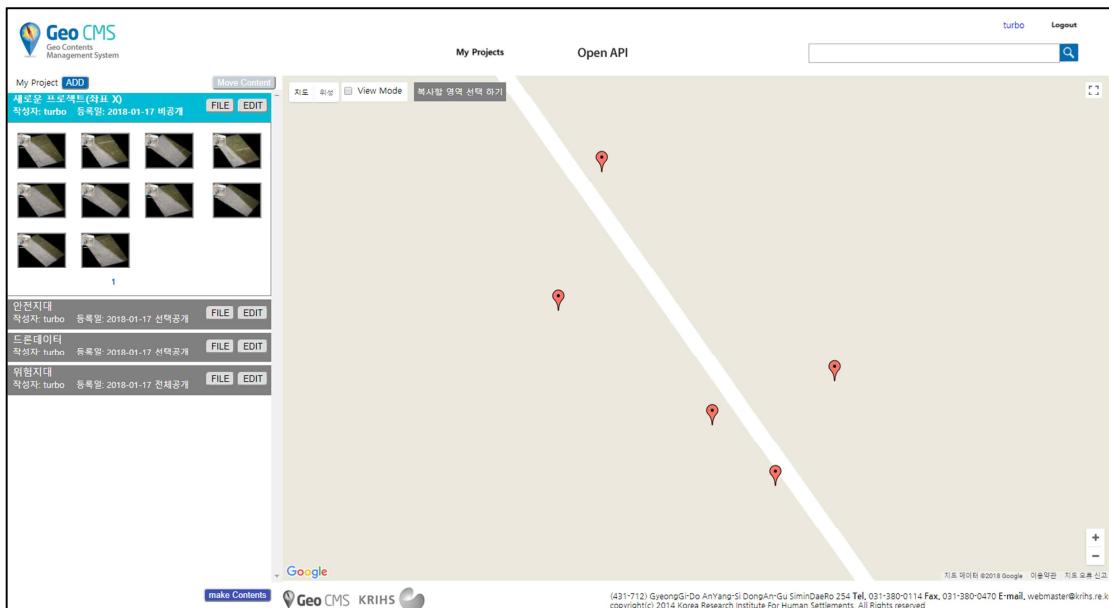
- Screen with updated coordinate file



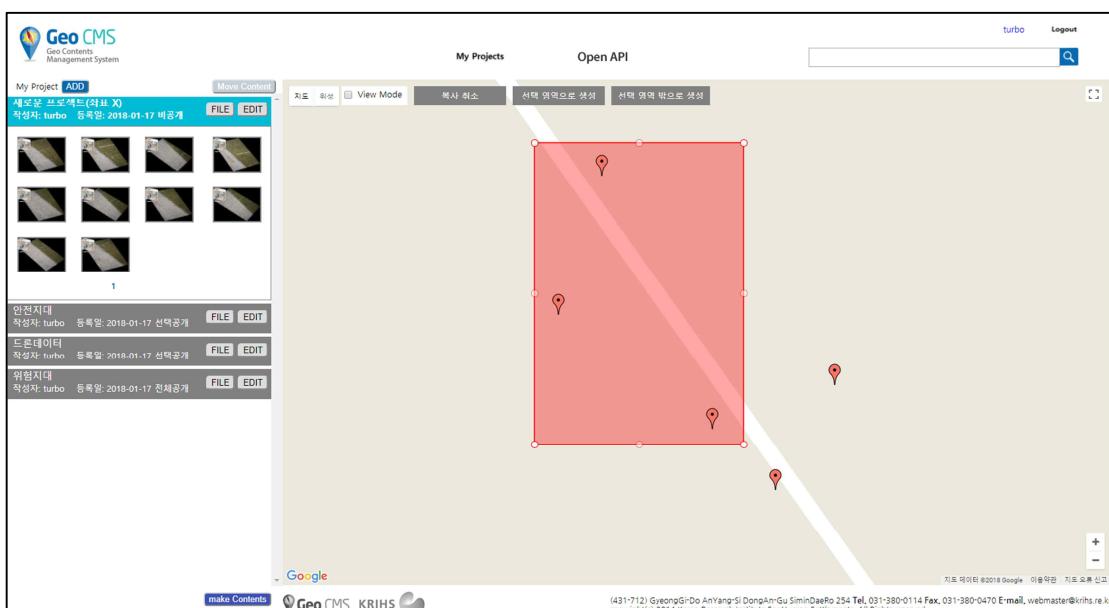
GeoCMS Manual	Project classification	Land Spatial Information Research Project
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3.2.17. Copying content on a map

- Select the project to be copied and press the 'Select area to copy' button at the top of the map.

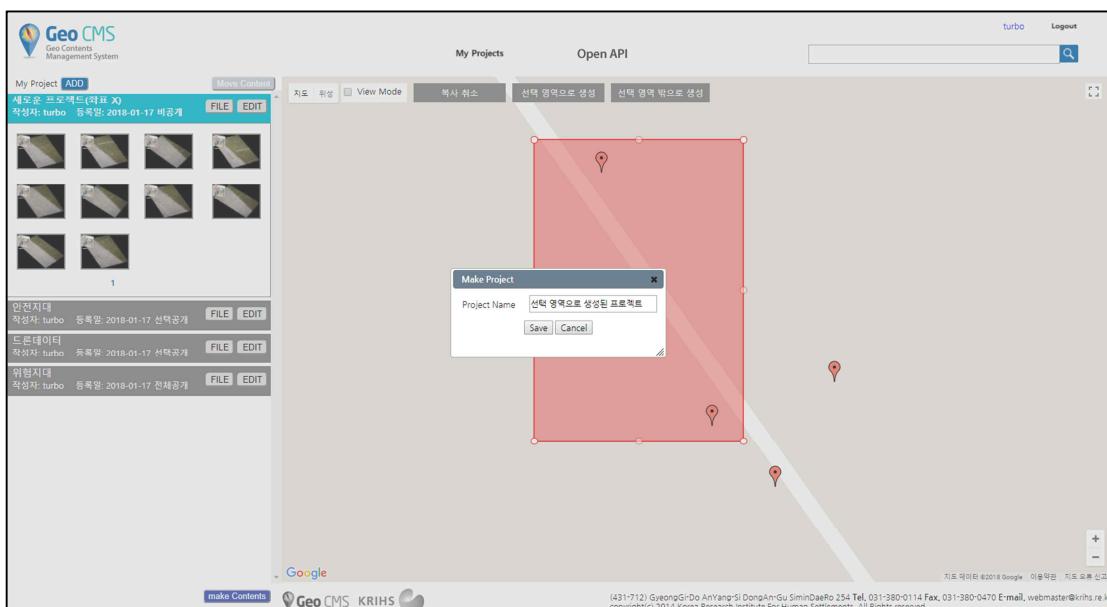


- Set the area of the content to be copied on the map.



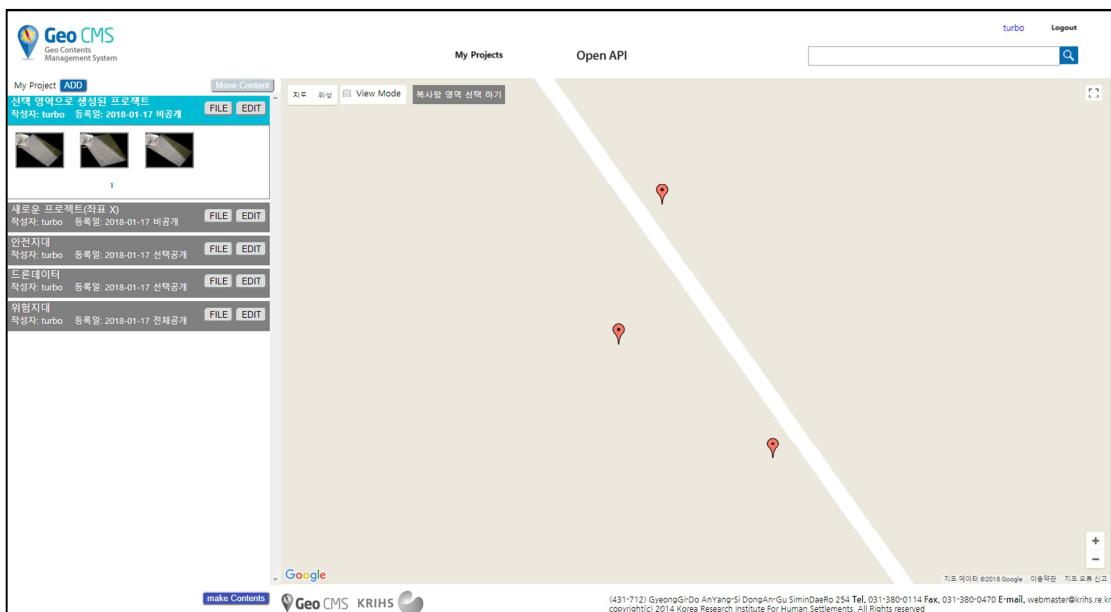
GeoCMS Manual	Project classification	Land Spatial Information Research Project
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- To create a new project with the data of the area selected on the map, click on the 'Create as selection' button. To create a new data from the selected area, click 'Create Out of Selection' button. The Make Project pop-up After entering a new project name, click the 'Save' button and the project will be created with the selected data.



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	Project name	GeoCMS

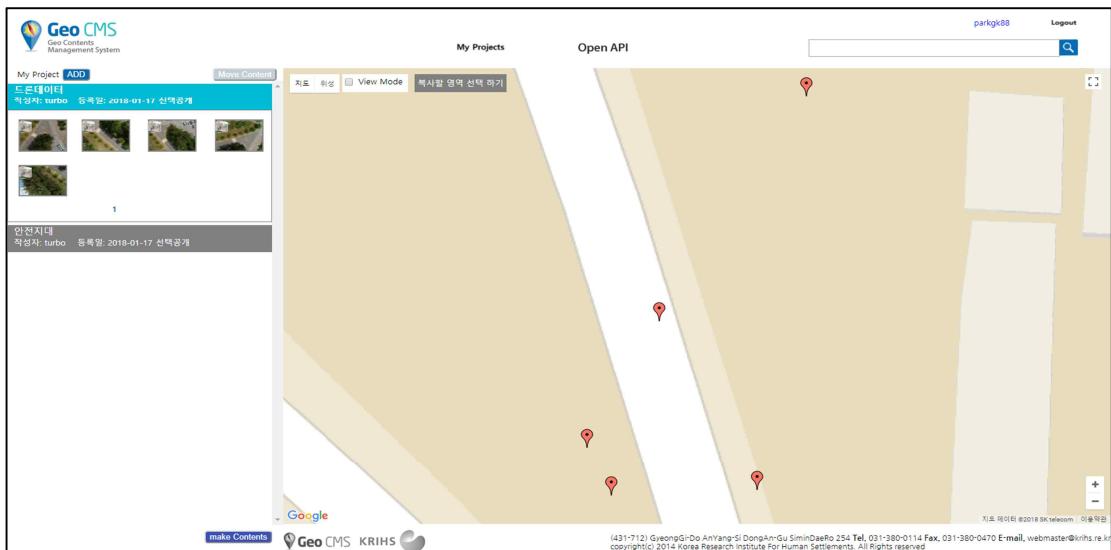
- Create copied project
 - The project is created in the same way as the sharing setting of the copying project.



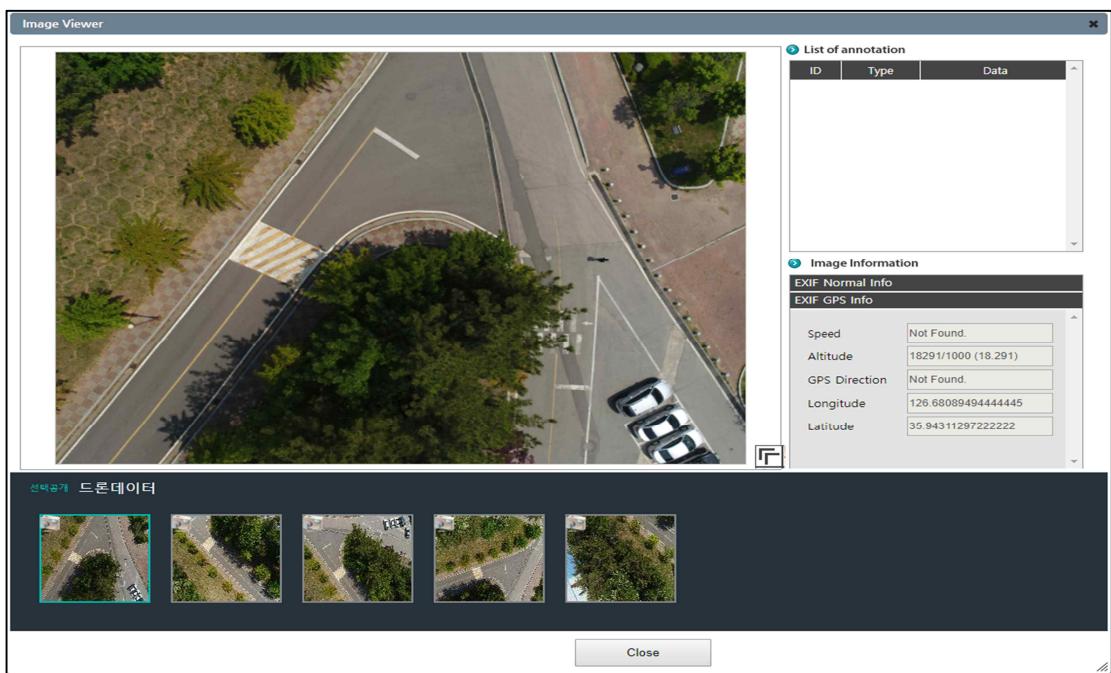
GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

3.2.18. Project Share User (Share O, Edit X)

- Project list (Shared O, Edit X)
 - A list of shared projects appears in the My Project list.



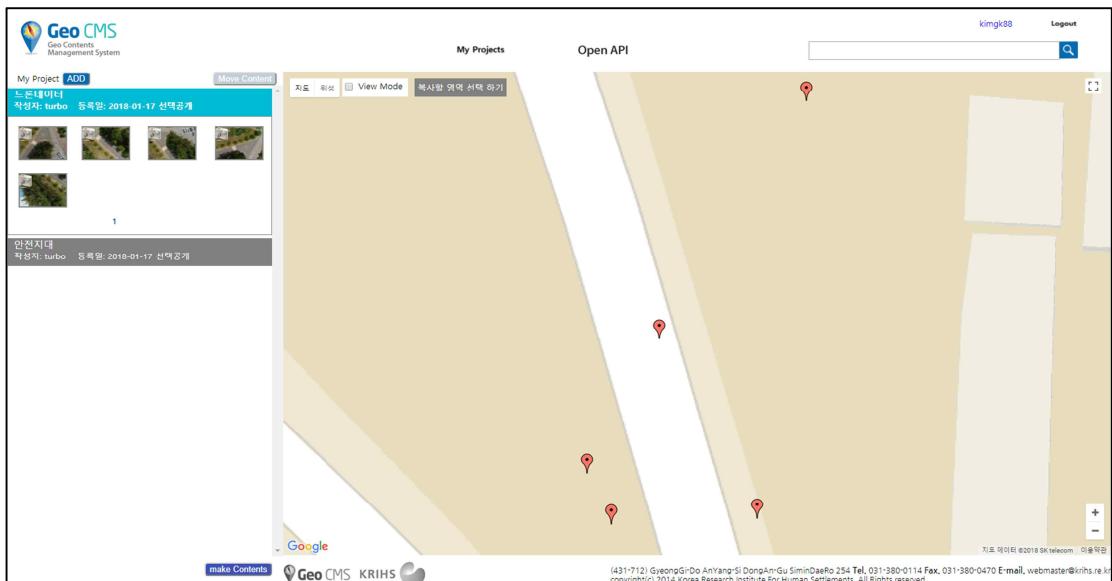
- There is no editing authority, so it is only possible to view authored content.



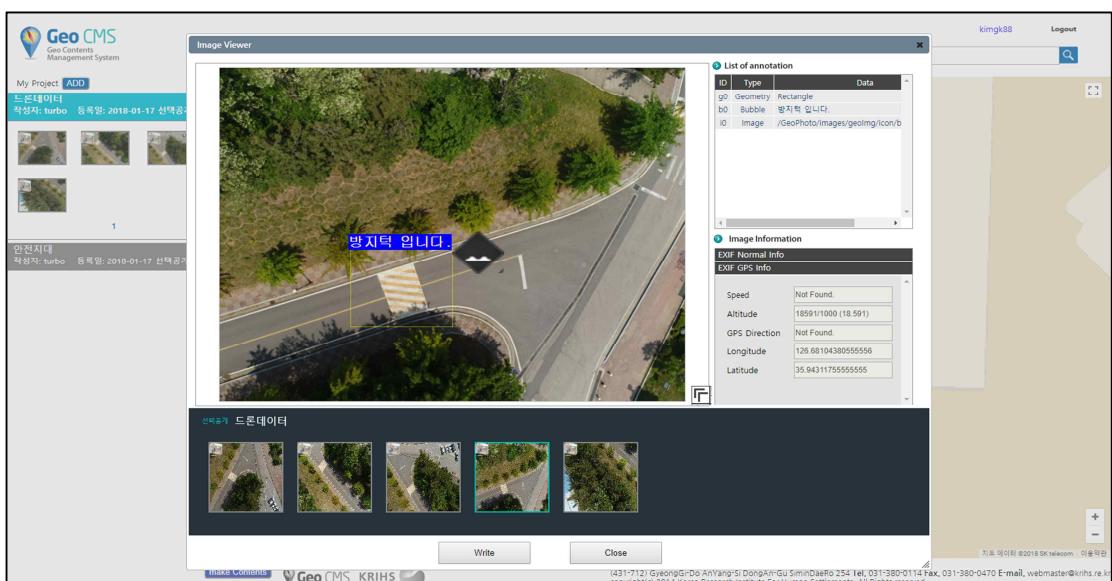
GeoCMS Manual	Project classification	Land Spatial Information Research Project
	Project name	GeoCMS

3.2.19. Project Share User (Share O, Edit O)

- Project list (Shared O, Edit O)
 - A list of shared projects appears in the My Project list.



- The 'Make Contents' button appears on the lower right corner because you have editing rights.



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- Because you have edit authority, when you click 'Make Contents' button, you will be able to author the object except data.

