applied sciences

MDPI

Supplementary Materials

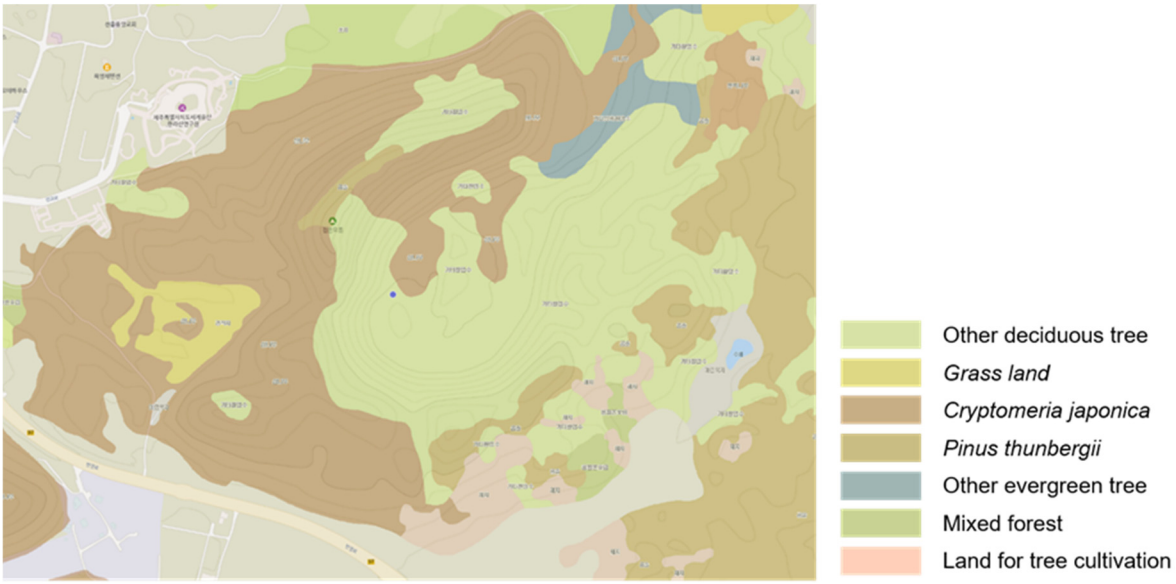
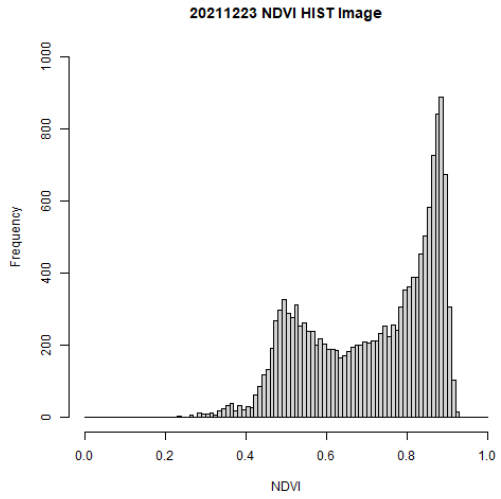
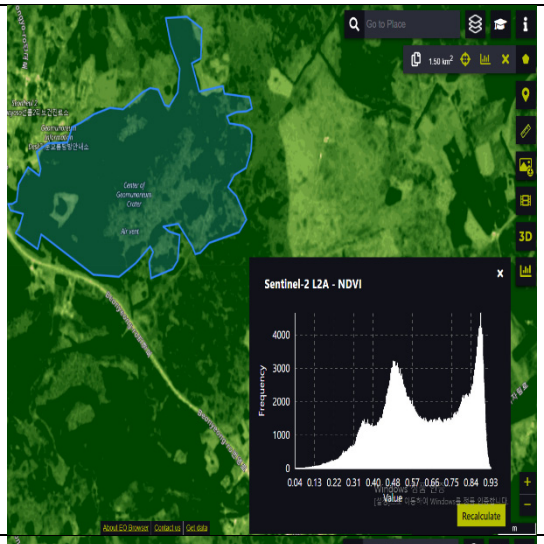
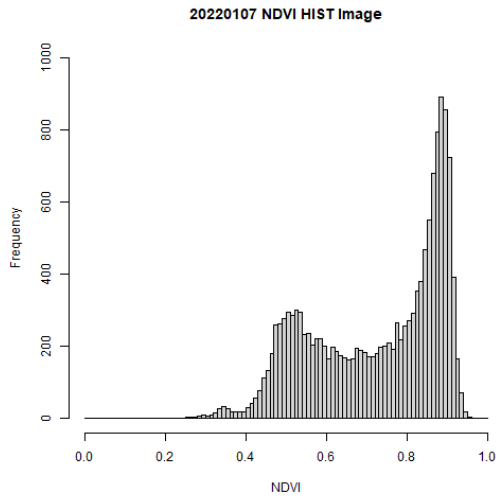
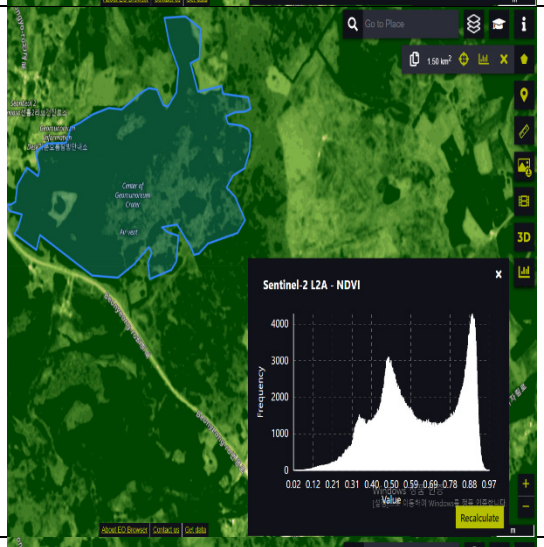
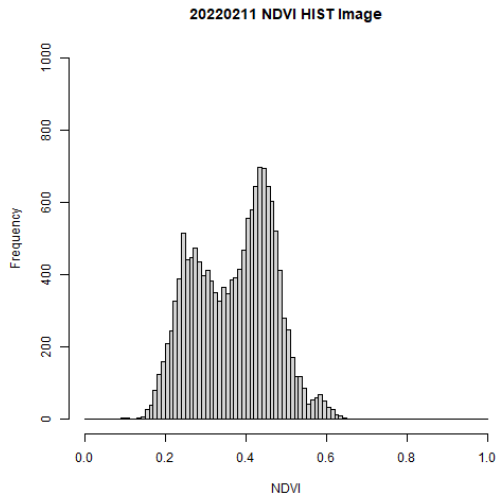
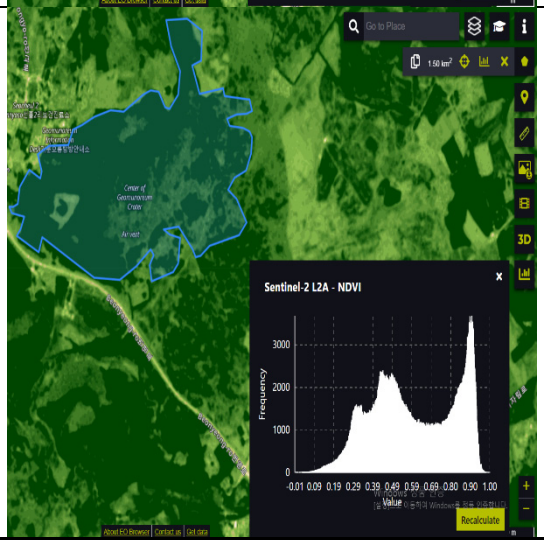
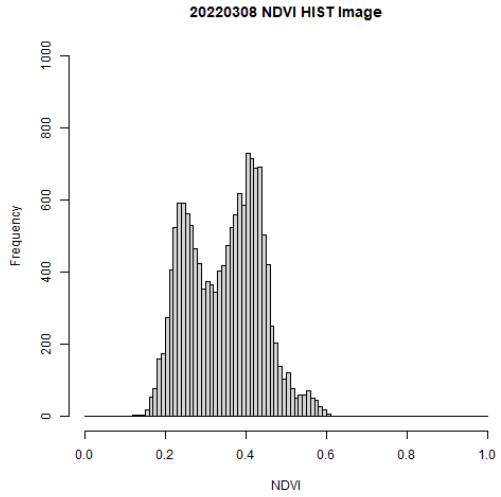
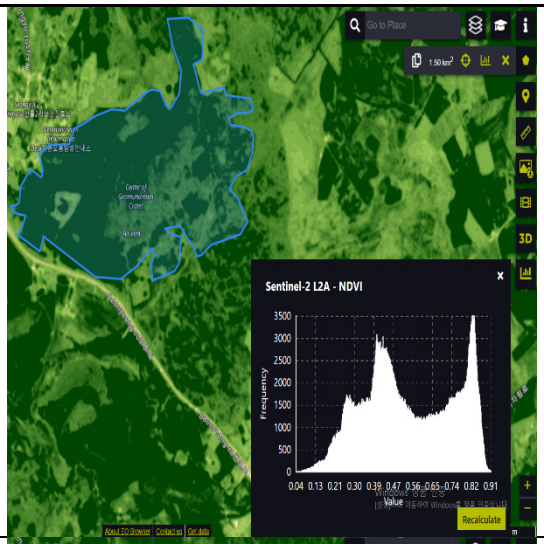


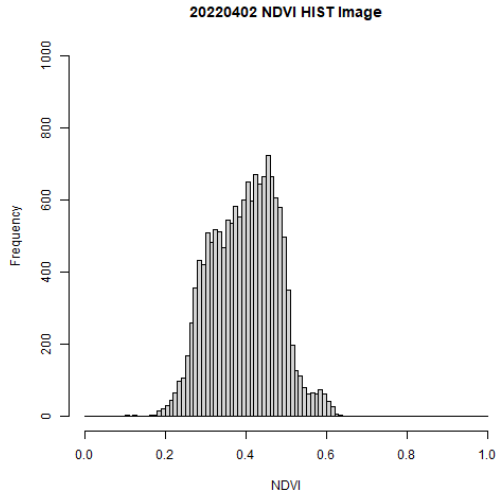
Figure S1. Large-scale vegetation map of Geomunoreum from the Korea Forest Service (https://map.forest.go.kr/forest/?systype=mapSearch&searchOption=stock). A local vegetation survey constructed this map for 2021 using actual measurements. No historical maps are publicly available.

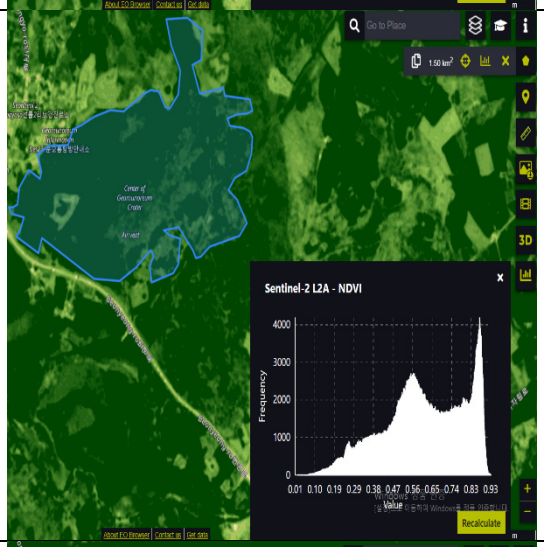
Table S1. NDVI histograms of the study area from 2021.12.23 to 2022.09.24. The histogram in the left column was calculated from the downloaded image. The right column shows a screenshot displayed on the Sentinel EO Browser for the same date as in the left column. As can be seen, the two NDVI histograms in 2021 are the same, whereas the two histograms in 2022 are totally different.

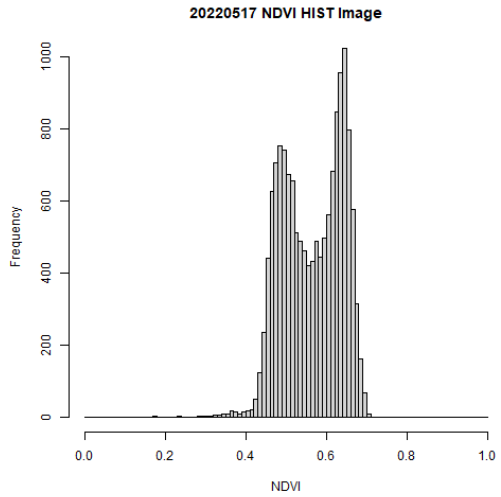
Downloaded image	Sentinel hub EO Browser
	
	
	

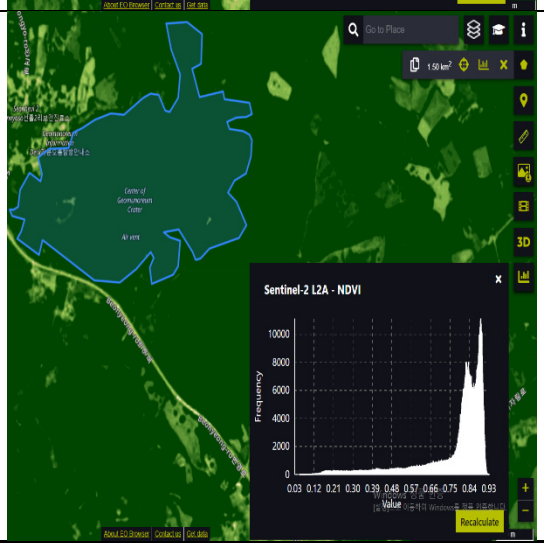

20220308 NDVI HIST Image
Frequency
0
200
400
600
800
1000
0.0
0.2
0.4
0.6
0.8
1.0
NDVI

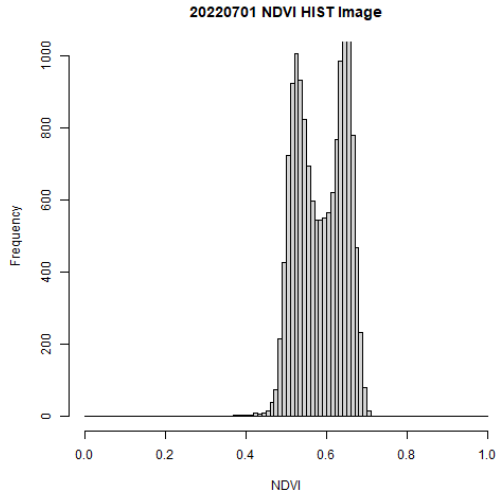

Sentinel-2 L2A - NDVI
Frequency
Value
Recalculate

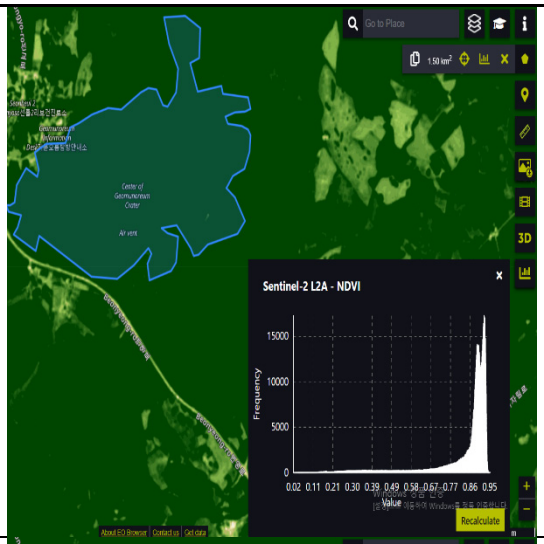

20220402 NDVI HIST Image
Frequency
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200
400
600
800
1000
0.0
0.2
0.4
0.6
0.8
1.0
NDVI

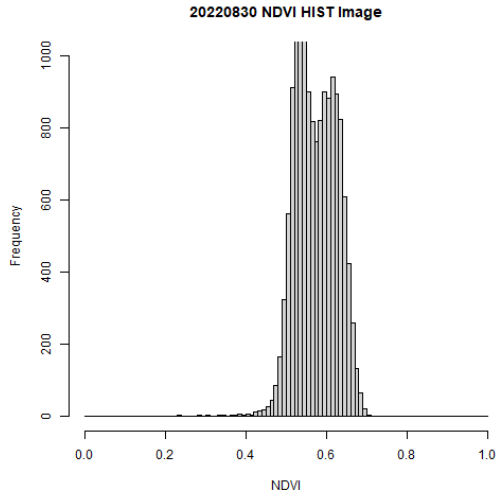

Sentinel-2 L2A - NDVI
Frequency
Value
Recalculate

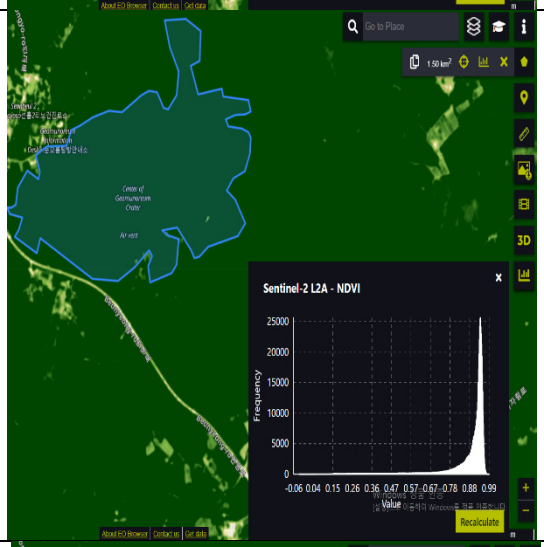

20220517 NDVI HIST Image
Frequency
0
200
400
600
800
1000
0.0
0.2
0.4
0.6
0.8
1.0
NDVI

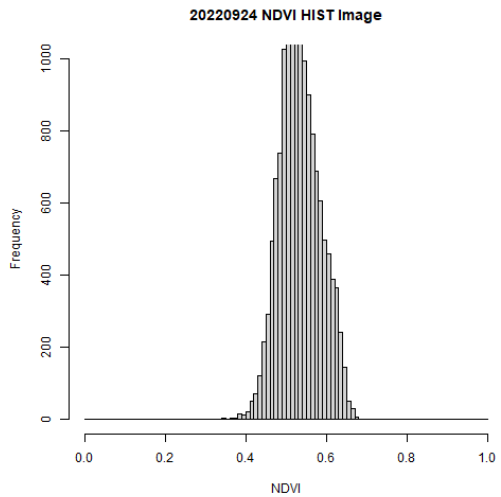

Sentinel-2 L2A - NDVI
Frequency
Value
Recalculate

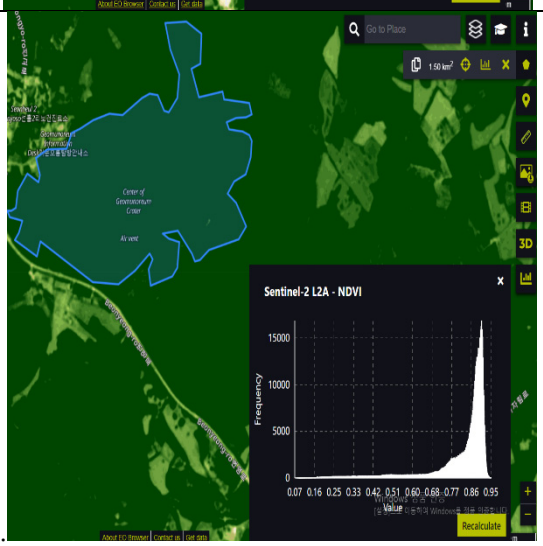

20220701 NDVI HIST Image
Frequency
0
200
400
600
800
1000
0.0
0.2
0.4
0.6
0.8
1.0
NDVI


Sentinel-2 L2A - NDVI
Frequency
0
5000
10000
15000
0.02 0.11 0.21 0.30 0.39 0.49 0.58 0.67 0.77 0.86 0.95
Value
Recalculate


20220830 NDVI HIST Image
Frequency
0
200
400
600
800
1000
0.0
0.2
0.4
0.6
0.8
1.0
NDVI


Sentinel-2 L2A - NDVI
Frequency
0
5000
10000
15000
20000
25000
-0.06 0.04 0.15 0.26 0.36 0.47 0.57 0.67 0.78 0.88 0.99
Value
Recalculate


20220924 NDVI HIST Image
Frequency
0
200
400
600
800
1000
0.0
0.2
0.4
0.6
0.8
1.0
NDVI


Sentinel-2 L2A - NDVI
Frequency
0
5000
10000
15000
0.07 0.16 0.25 0.33 0.42 0.51 0.60 0.68 0.77 0.86 0.95
Value
Recalculate