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Virtual GIS

/ GEO C & I

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<http://www.geocni.com>



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VRML

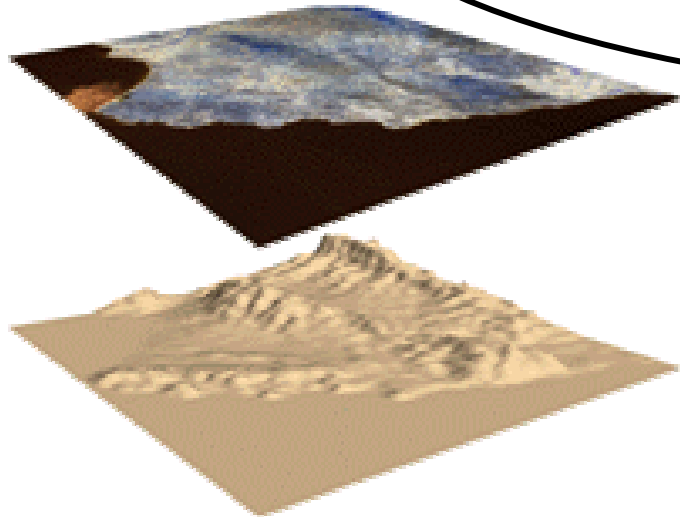
3



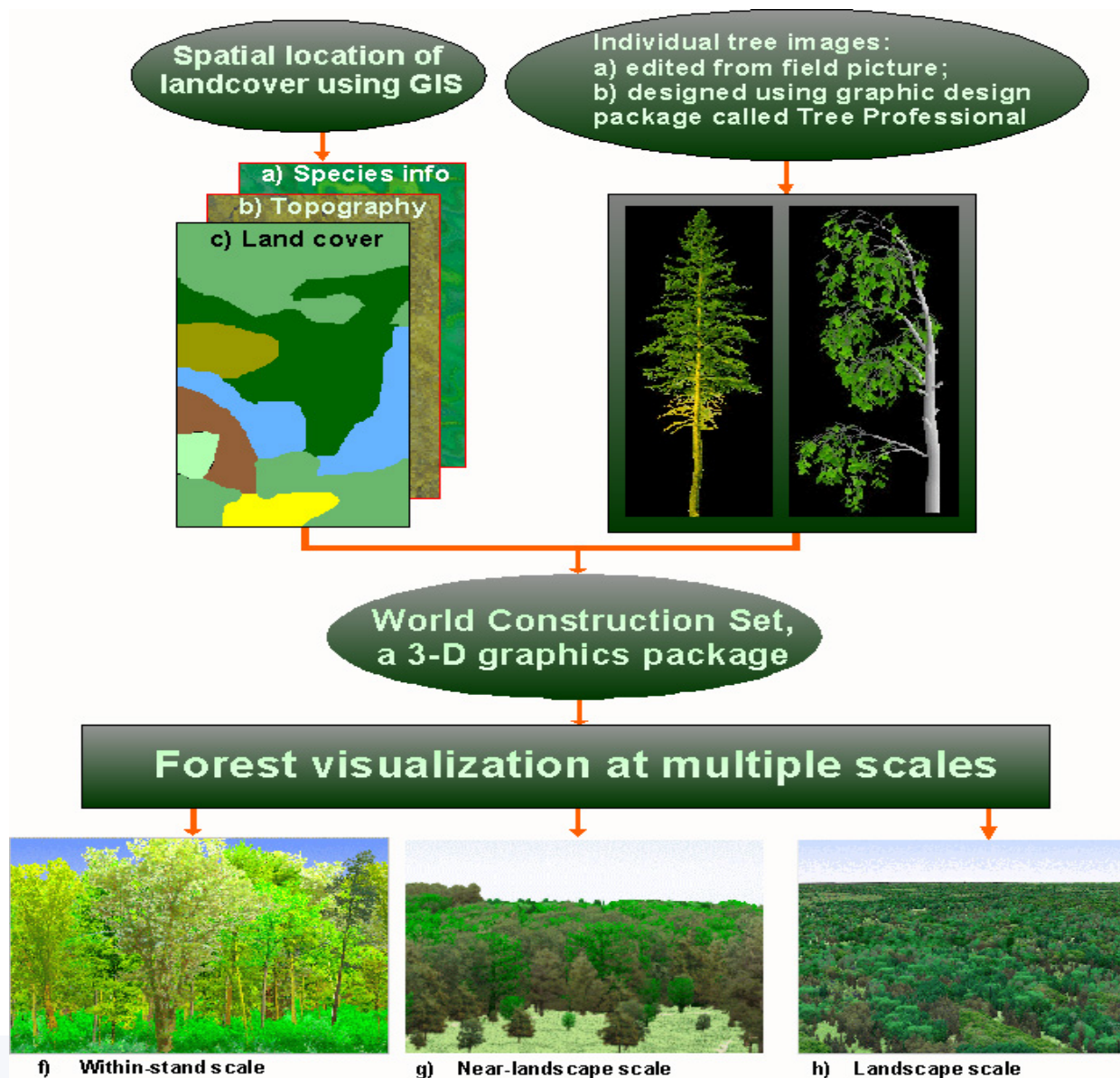


3D GIS ?

2 가
가 2
가 3



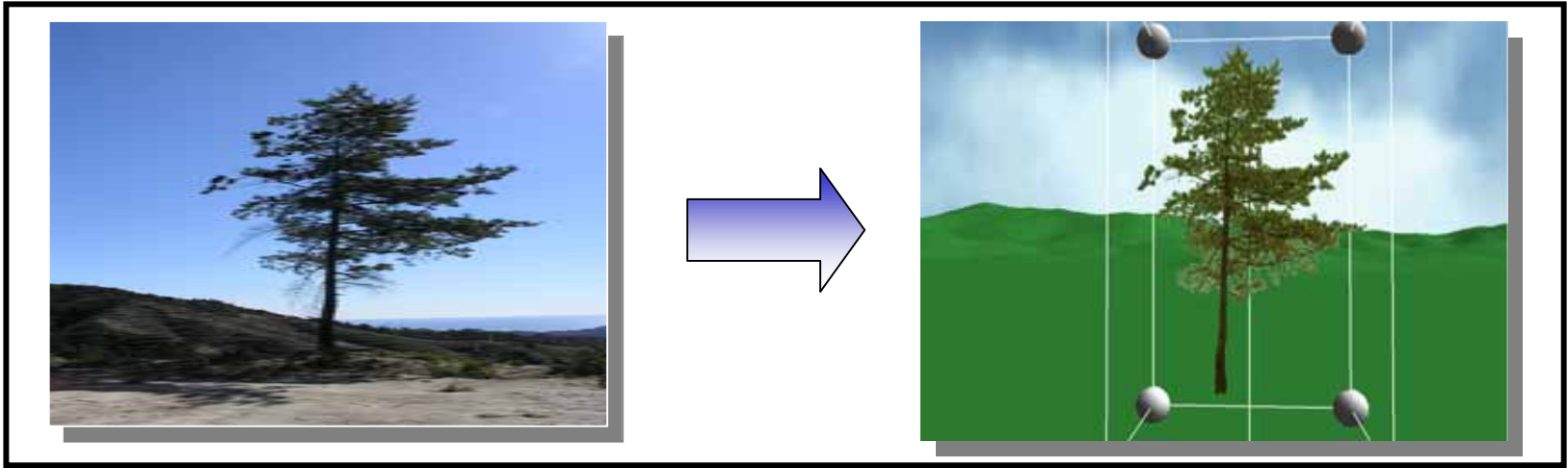
Virtual GIS



3

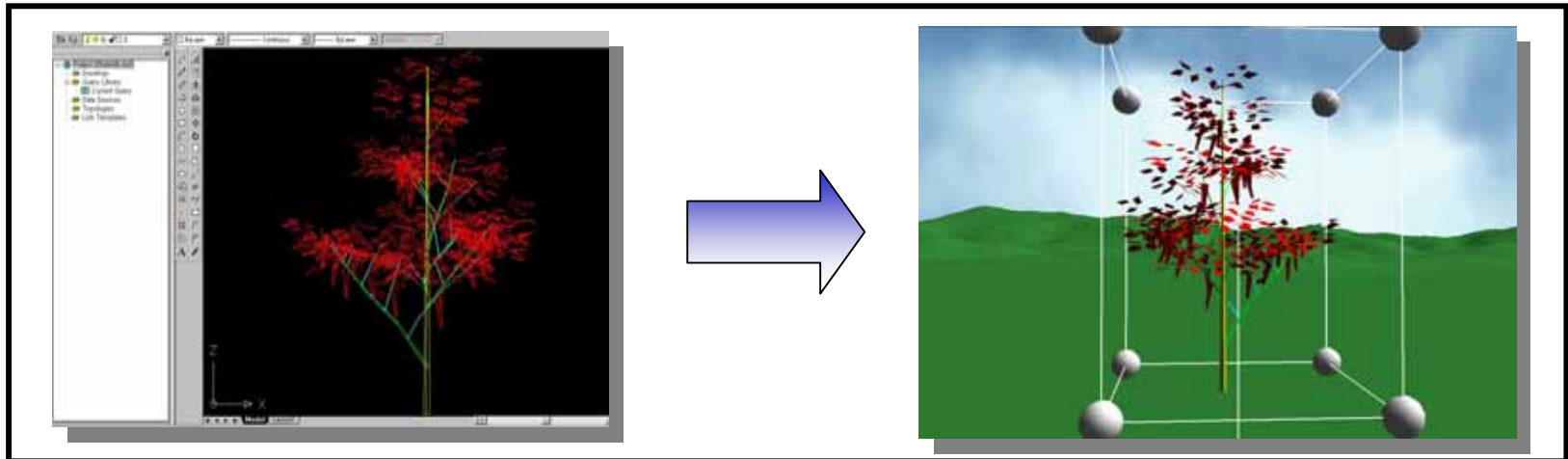


3D



3D DXF

3D

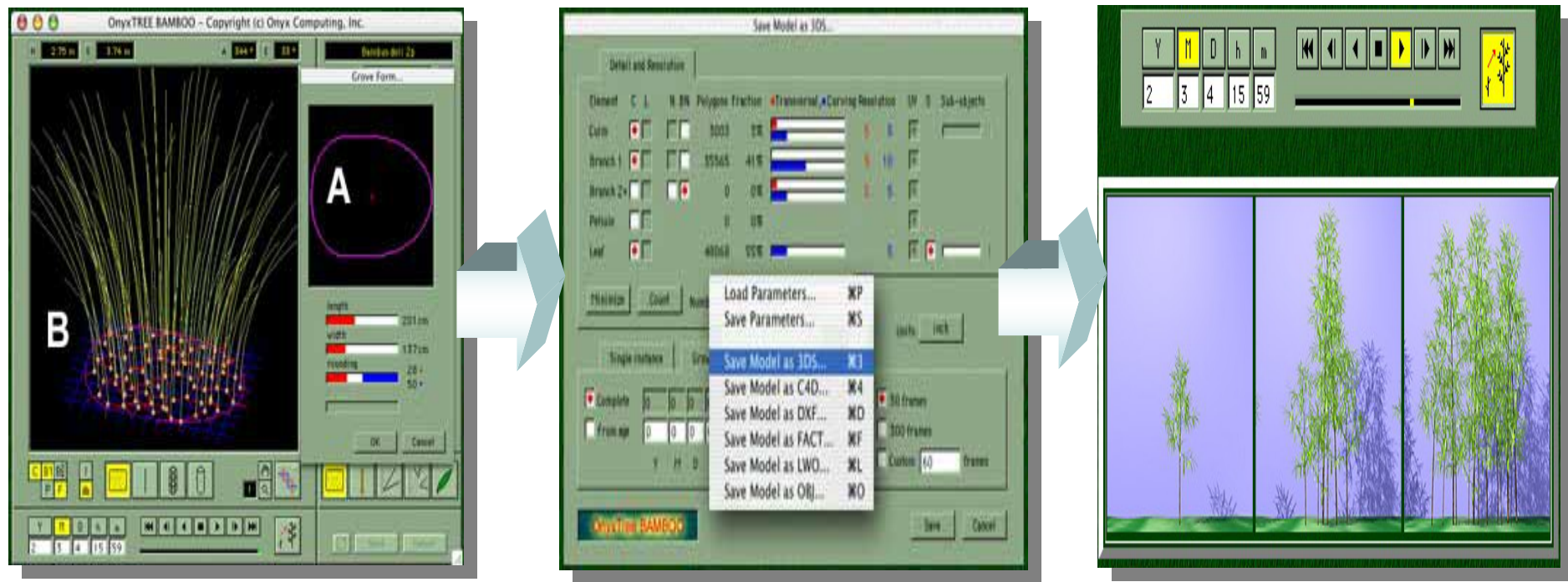


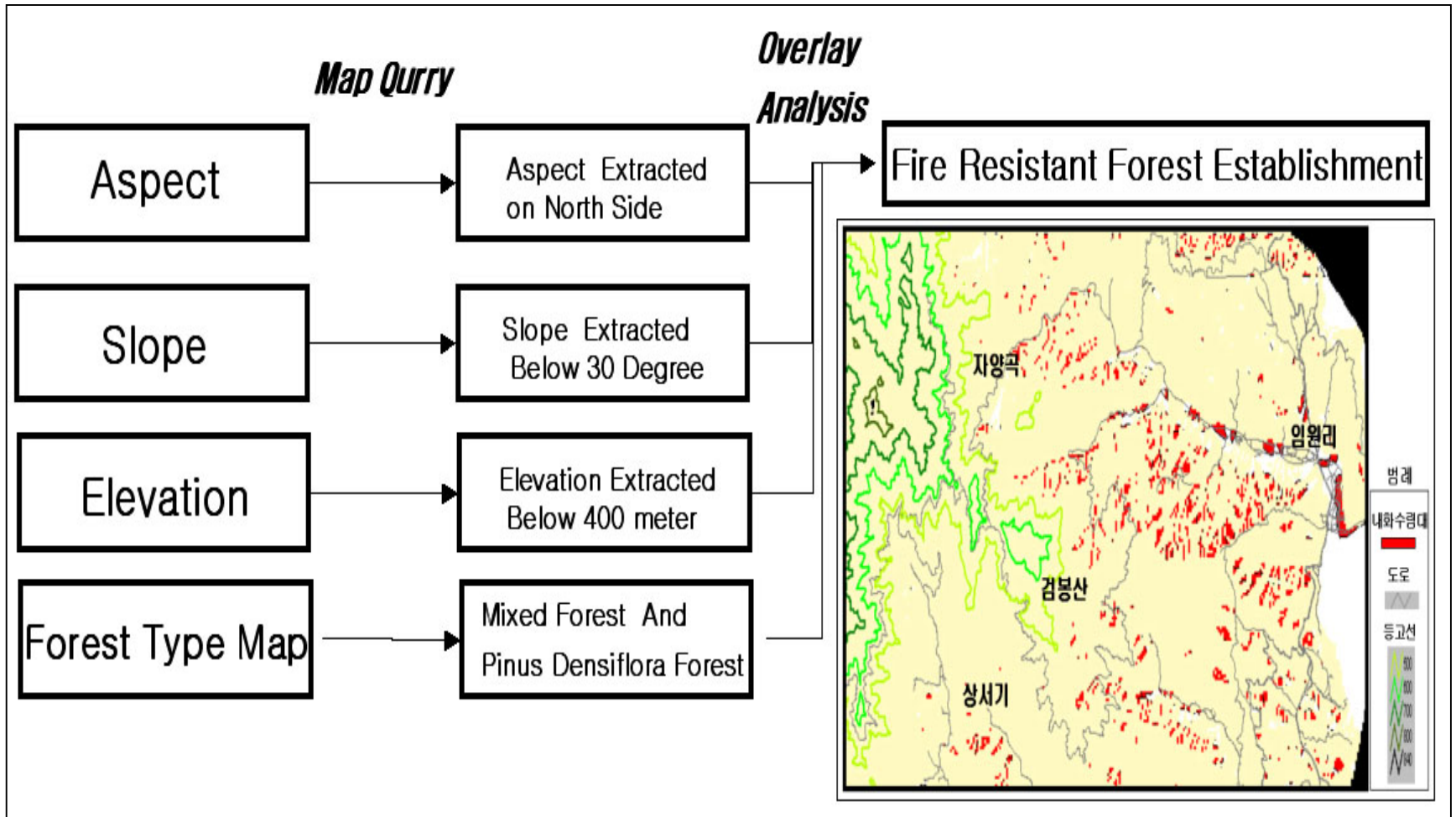
Animation

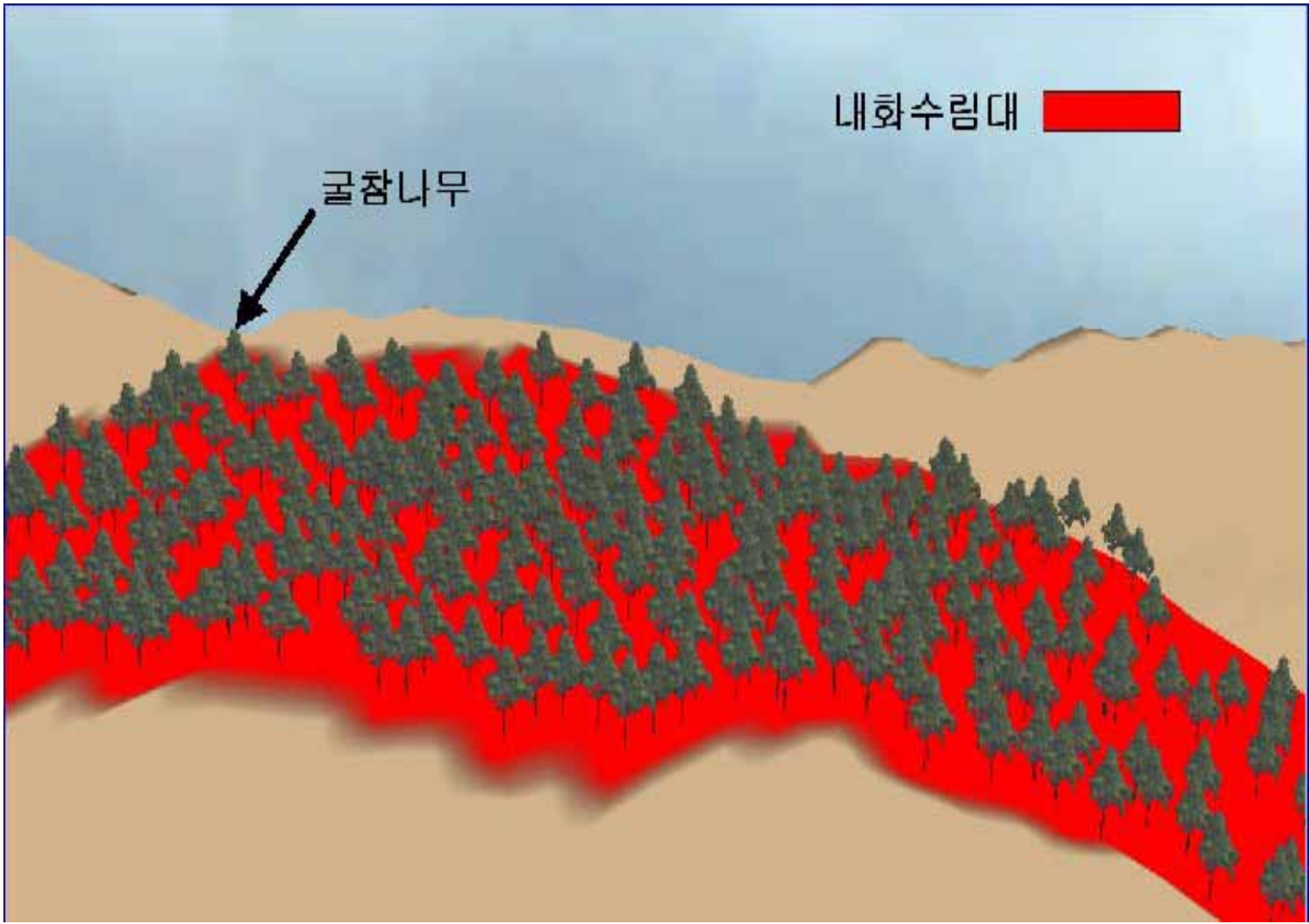
가

2

3DS, C4D, DXF, FACT, LWO, OBJ, W3O 가 3





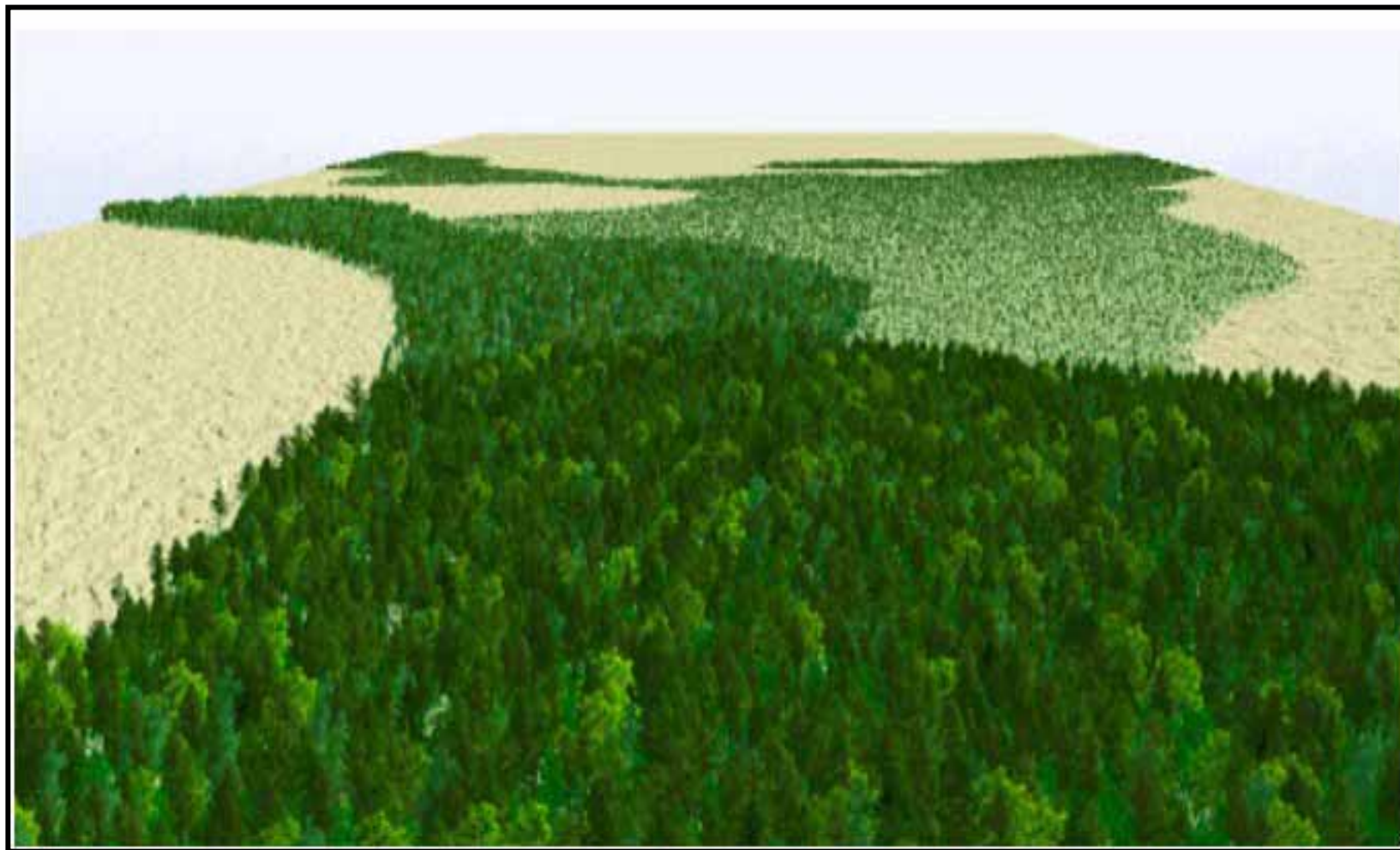




Tracking Simulation



point	X	Y	ASL	AGL	Look Azimuth	Look Pitch	POV	Roll	Speed
1	320183.839	415053.915	500.00	500.00	0.00	0.00	45.00	0.00	3.00
2	320987.374	415053.915	450.00	450.00	0.00	0.00	45.00	0.00	3.00
3	320234.082	415032.329	520.00	520.00	0.00	0.00	80.00	0.00	3.00
4	320992.252	414067.573	540.00	540.00	0.00	0.00	60.00	0.00	3.00
5	327995.789	414605.370	560.00	560.00	0.00	0.00	85.00	0.00	3.00
6	327934.570	419542.939	650.00	650.00	0.00	0.00	70.00	0.00	3.00
7	326147.374	412936.963	700.00	700.00	0.00	0.00	45.00	0.00	3.00
8	324952.252	417759.793	750.00	750.00	0.00	0.00	45.00	0.00	3.00
9	324119.950	417759.793	800.00	800.00	0.00	0.00	75.00	0.00	3.00
10	324139.935	414730.134	800.00	800.00	0.00	0.00	85.00	0.00	1.00
11	324036.399	415404.037	800.00	800.00	0.00	0.00	85.00	0.00	1.00
12	325154.440	419571.963	750.00	750.00	0.00	0.00	45.00	0.00	1.00
13	326081.277	419183.427	700.00	700.00	0.00	0.00	85.00	0.00	1.00
14	327982.131	414125.744	650.00	650.00	0.00	0.00	45.00	0.00	1.00
15	328521.705	419521.354	600.00	600.00	0.00	0.00	85.00	0.00	1.00
16	328892.374	410324.890	500.00	500.00	0.00	0.00	85.00	0.00	1.00



500 m Elevation



Regeneration Forest



Mature Hardwood



Mature Hardwood &
Conifer



Jack Pine



Non-forested



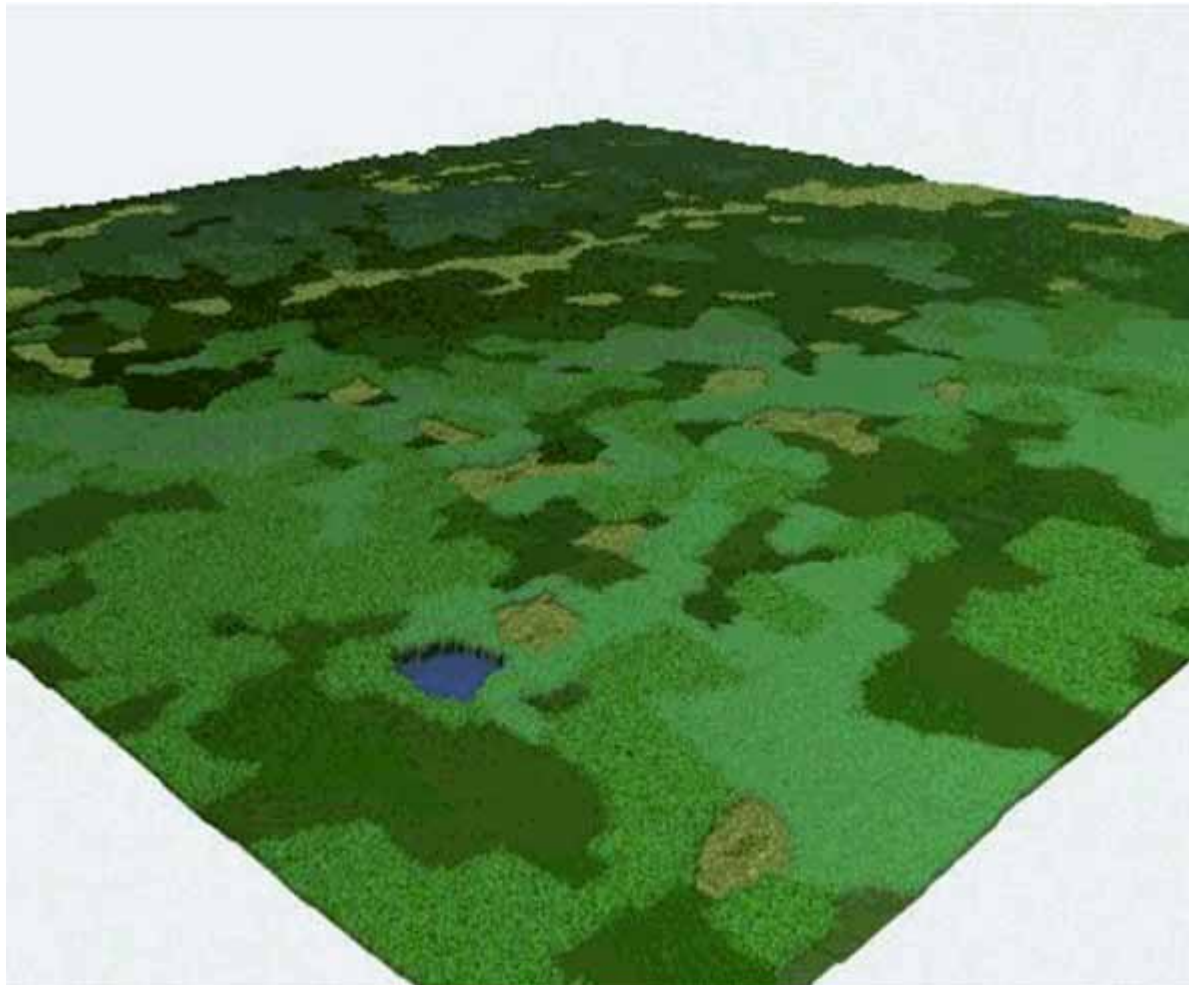
Red Pine



Animation

Simulation (2)

Starting at 2000 m elevation and then descending to 600m



Regeneration Forest



Mature Hardwood



Mature Hardwood &
Conifer



Jack Pine



Non-forested



Red Pine

From



Animation

a) Other objects such as snags, stumps, logs, herbs, shrubs

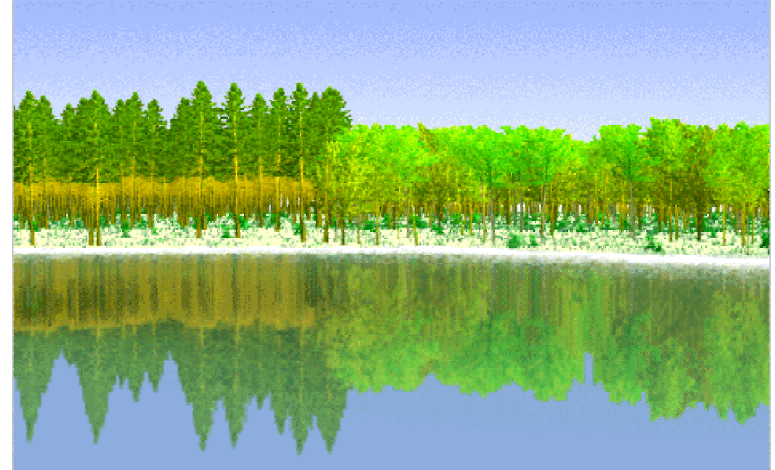


c) Road

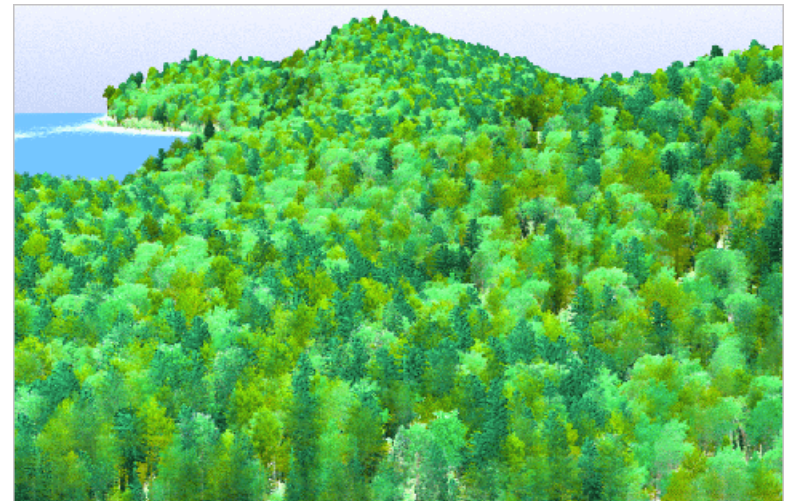


Visualization

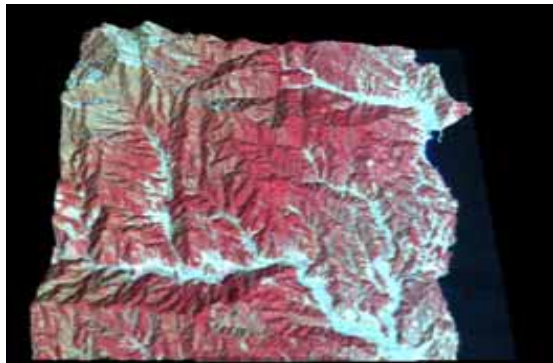
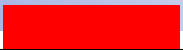
b) Lake (water body)



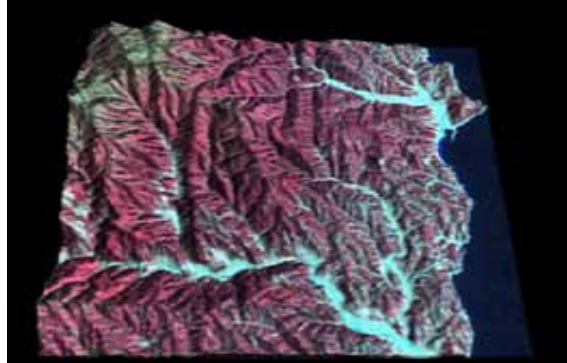
d) Topographic visualization



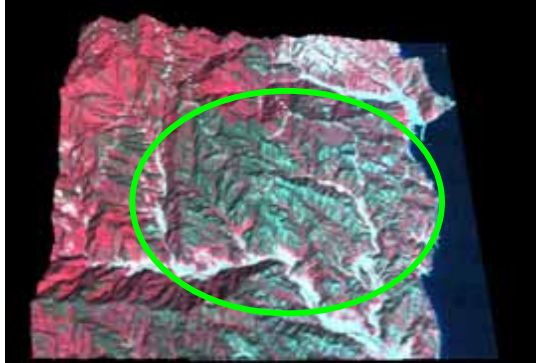
3D



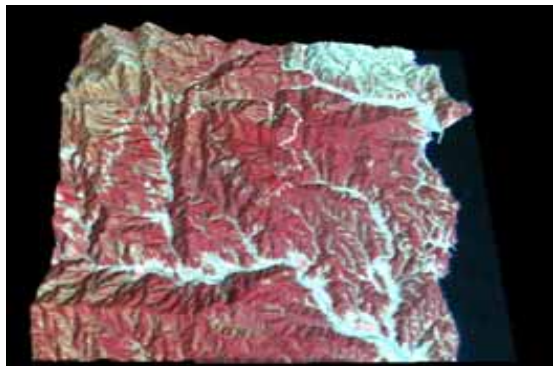
1986.04.01



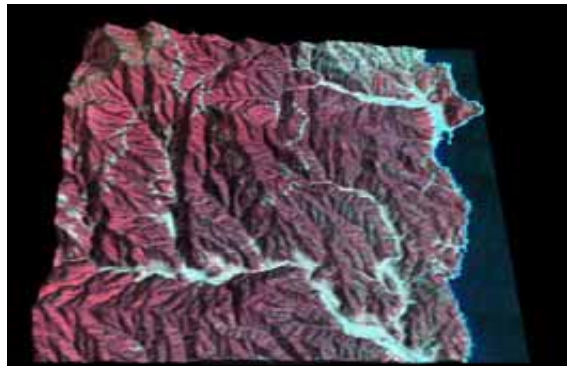
1985.10.23



2000.10.16



1996.04.12



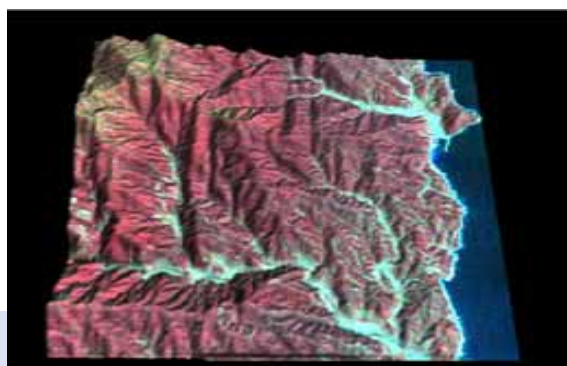
1997.10.08



2001.04.18



2000.04.07

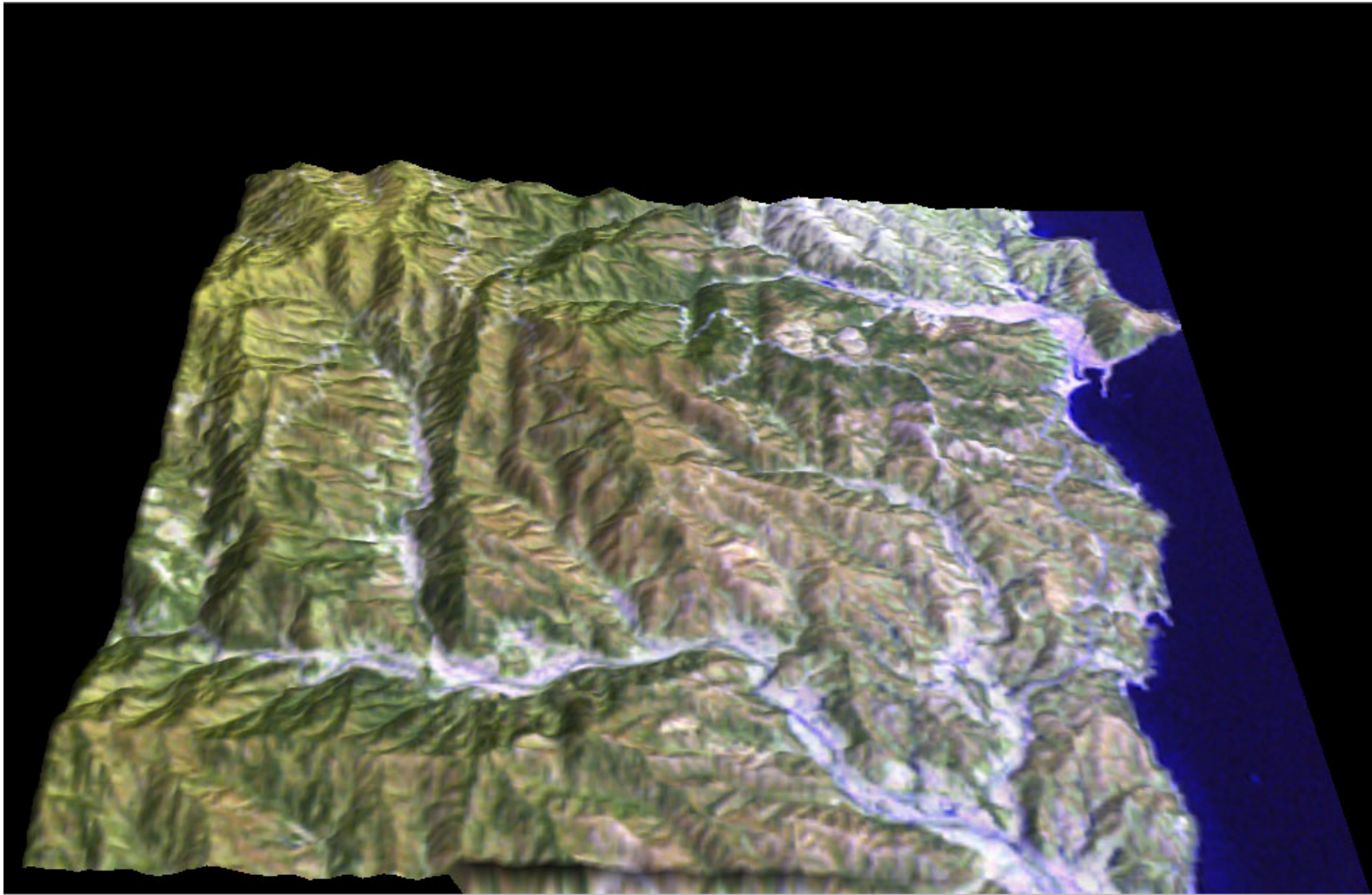


1989.10.18



2002.03.20

(1985-2002)



Simulation

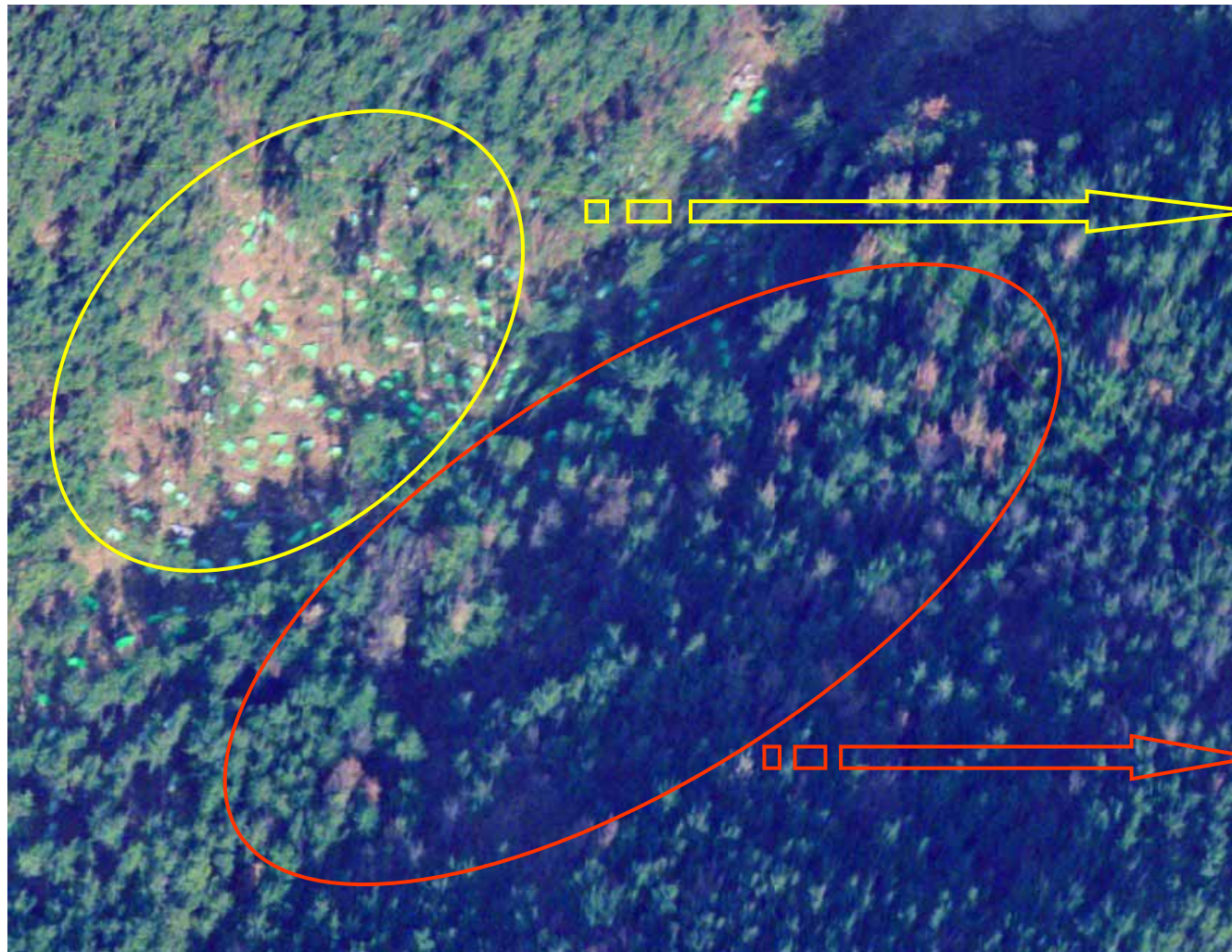




The screenshot displays a GIS application window titled "자연·환경·지리정보 및 공간분석 시스템". The interface includes a legend on the left, a main 3D terrain view, a regional overview map on the top right, and a 3D tree model on the bottom right. At the bottom, there is a data table with columns for various geographical and environmental parameters.

구분	영양구역	지형	지반	소유구분	면적(ha)	입상	토양양	지위	조림수종	이재년도	조림면적	비고
구분												

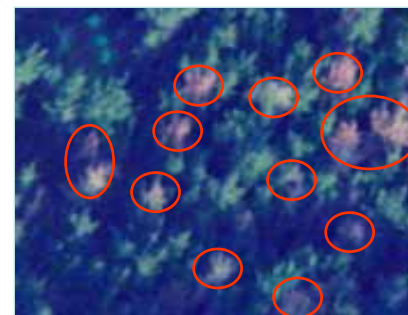
At the bottom of the window, the status bar shows coordinates: X: 220645.395 / Y: 414090.206, and other data: 위도: 37° 12' 31" / 경도: 127° 19' 32" and scale: 1 / 3,457.



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소나무재선충 정보관리 시스템

파일 보기(V) 소나무재선충 개요 발생정보검색 방제정보 선단지추출정보 시스템 정보 관리 도움말(H)

이동

:: 레이어 제어창

관서명 선택 부산광역시

시군명 선택

- 위성영상
 - 항공사진
 - 연도별 발생분포
 - 1994년
 - 1995년
 - 1996년
 - 1997년
 - 1998년
 - 1999년
 - 2000년
 - 2001년
 - 2002년
 - 2003년
 - 2004년
- 임상도
- 수 계
 - 실폭하천
 - 세 류
 - 담수지
- 도 로
 - 고속국도
 - 일반국도

:: 수치 지형도

:: 임상도

발생정보 검색

피해년도 전체

관 서 명 전국

시 군 명

지 역 명

상세검색 검색

방제정보 검색

피해년도 전체

관 서 명 전국

시 군 명

지 역 명

방제방법

항공방제

방제기간

상세검색 검색

검색항목	값

선택지역 : 부산광역시

X좌표 : 198,732,171 Y좌표 : 390,733,044 위도 : 35° 16' 00" 경도 : 129° 05' 56" 축 척 : 1 / 30,480



(Color) Simulation

The screenshot shows a GIS simulation software interface. The main window displays a 3D terrain simulation of a mountainous region. On the left, there is a '레이어 제어창' (Layer Control) panel with a tree view showing various layers like '수계' (watershed), '도로' (road), and '고선' (contour line). Below it is a small map of South Korea with a red box indicating the simulation area. At the bottom, there are search filters for '발생정보 검색' (Occurrence Information Search) and '방제정보 검색' (Control Information Search), including fields for '피해년도' (Disaster Year), '관서명' (Province Name), '시군명' (City/County Name), and '지역명' (Area Name). The status bar at the bottom shows coordinates: X좌표 : 197,379,577 Y좌표 : 399,504,615 위도 : 35° 15' 10" 경도 : 129° 11' 42" 축척 : 1 / 6,570.



GIS , 3 가 , 가 3 가



Virtual GIS



2 GIS 가

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