USO DE TELEDETECCIÓN EN PATRIMONIO NATURAL AREAS PROTEGIDAS.

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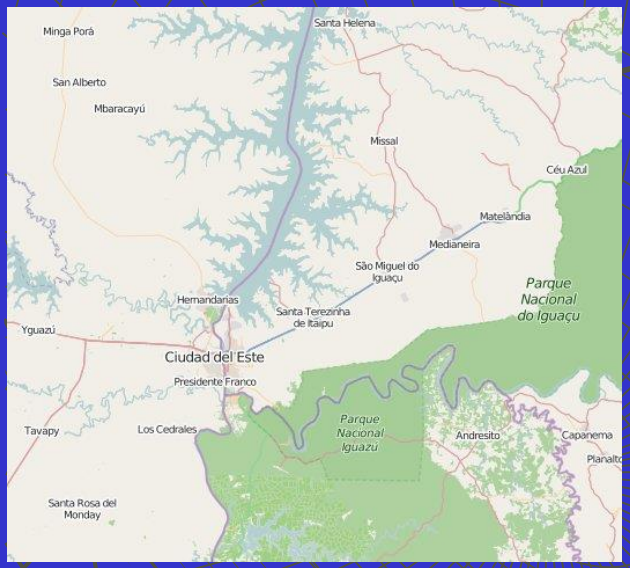
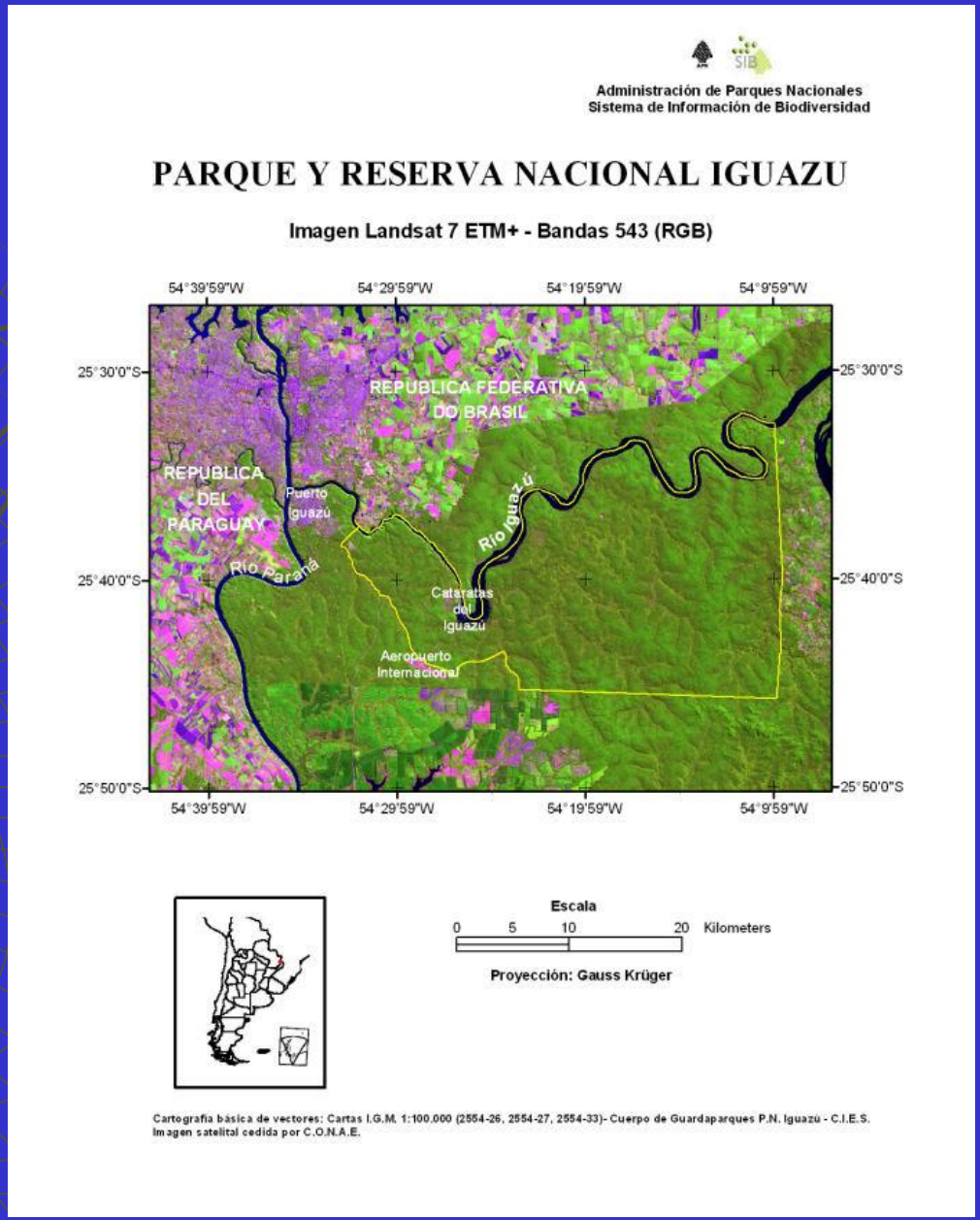
Parque Nacional Iguazu

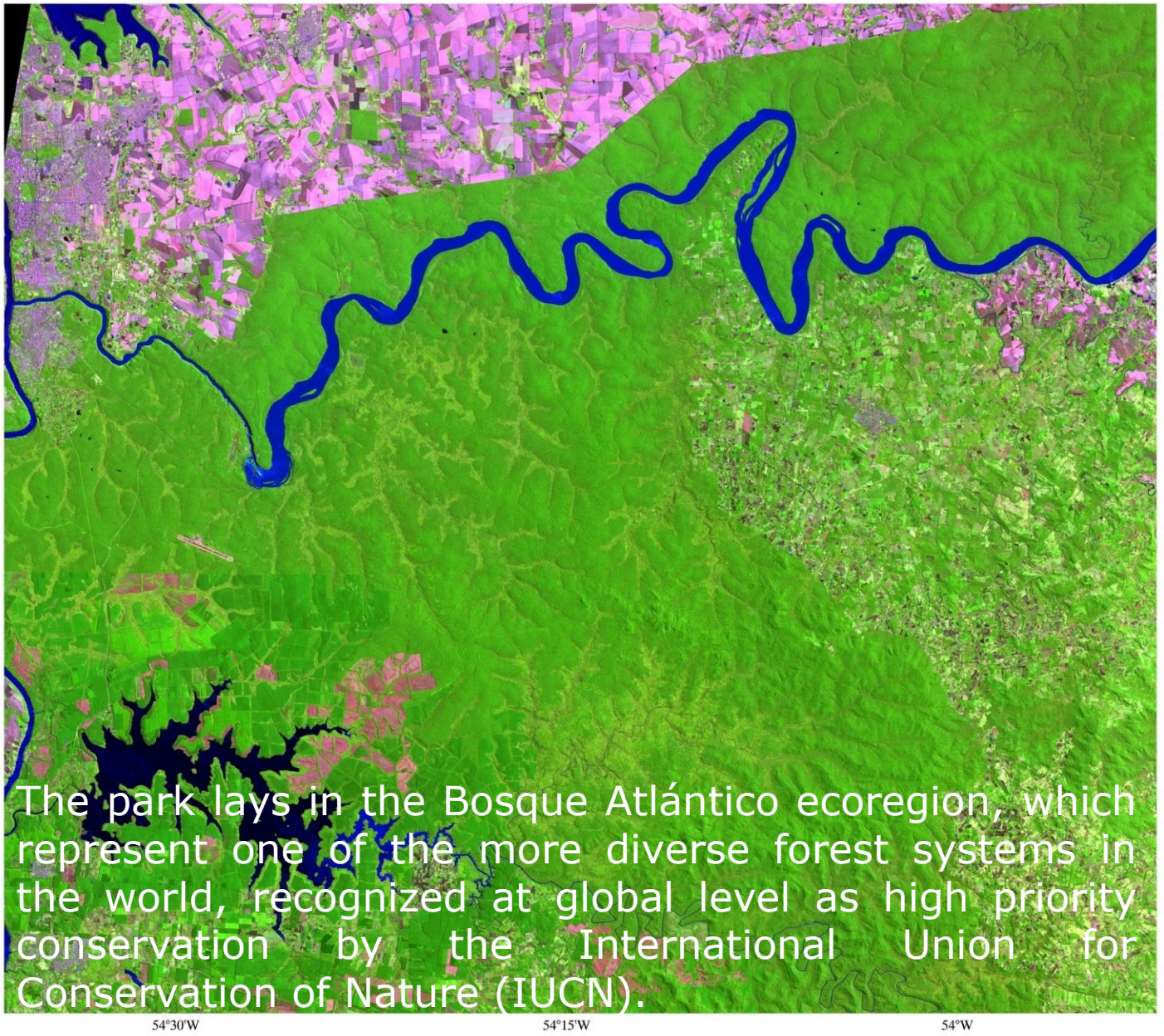
The Iguazú National Park is located in the north of the province of Misiones, Argentine Mesopotamia. It has an area of 550 km².



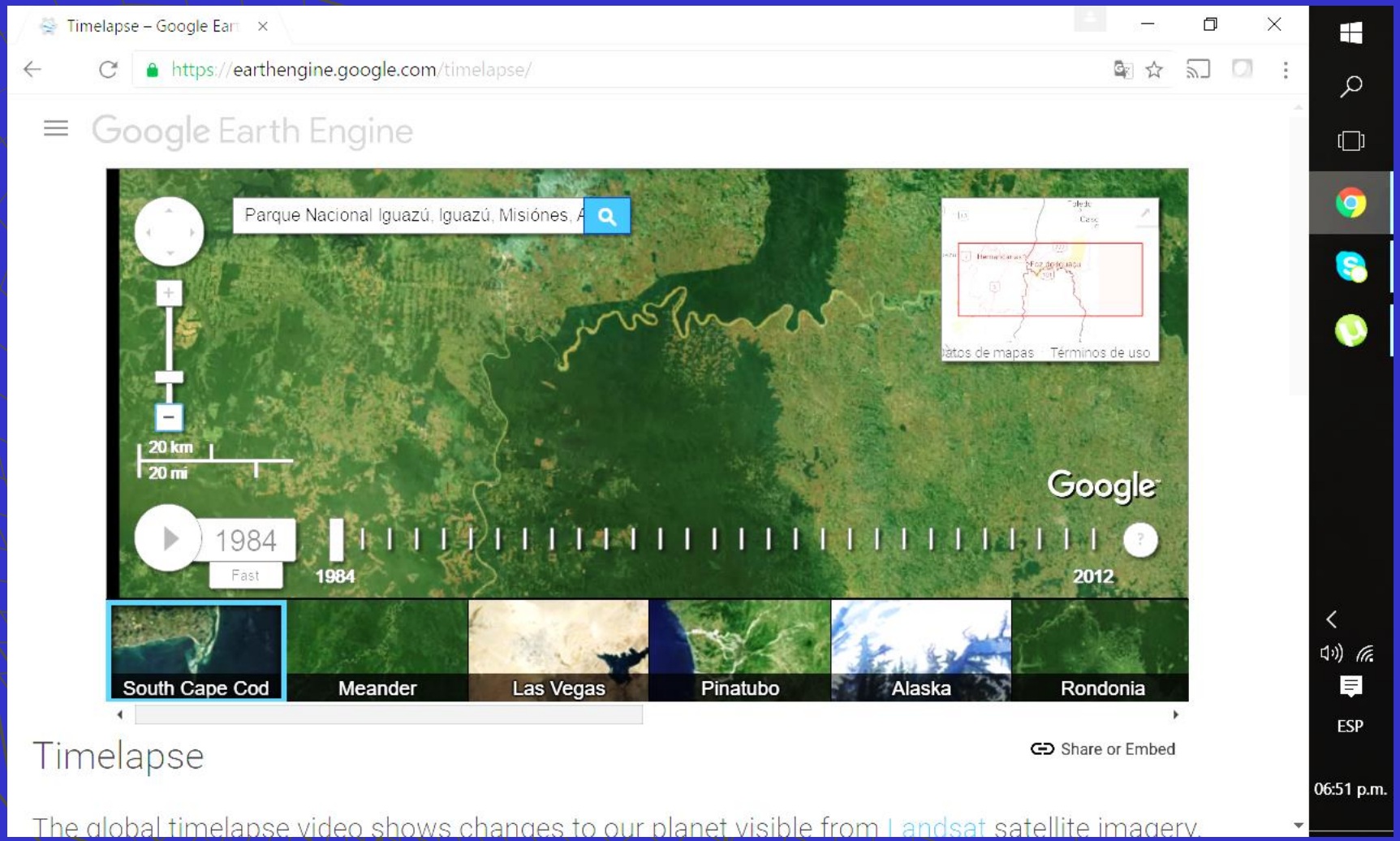
Parque Nacional Iguazu

The park was created in 1934 and it contains one of the greatest natural beauties of Argentina, the Iguazu Falls, surrounded by the subtropical jungle. Across the Iguazu River lies its Brazilian counterpart (Iguaçu National Park). Both sites were declared **World Heritage Sites** by UNESCO, in 1984.




54°30'W
54°15'W
54°W
25°30'S
25°45'S
26°S
The park lays in the Bosque Atlántico ecoregion, which represent one of the more diverse forest systems in the world, recognized at global level as high priority conservation by the International Union for Conservation of Nature (IUCN).
N
S
W
E
0 3 6 9 12 15 Miles
0 5 10 15 20 25 Km
Map Scale 1:200,000

RECURSOS DISPONIBLES PARA MONITOREO DE BOSQUE



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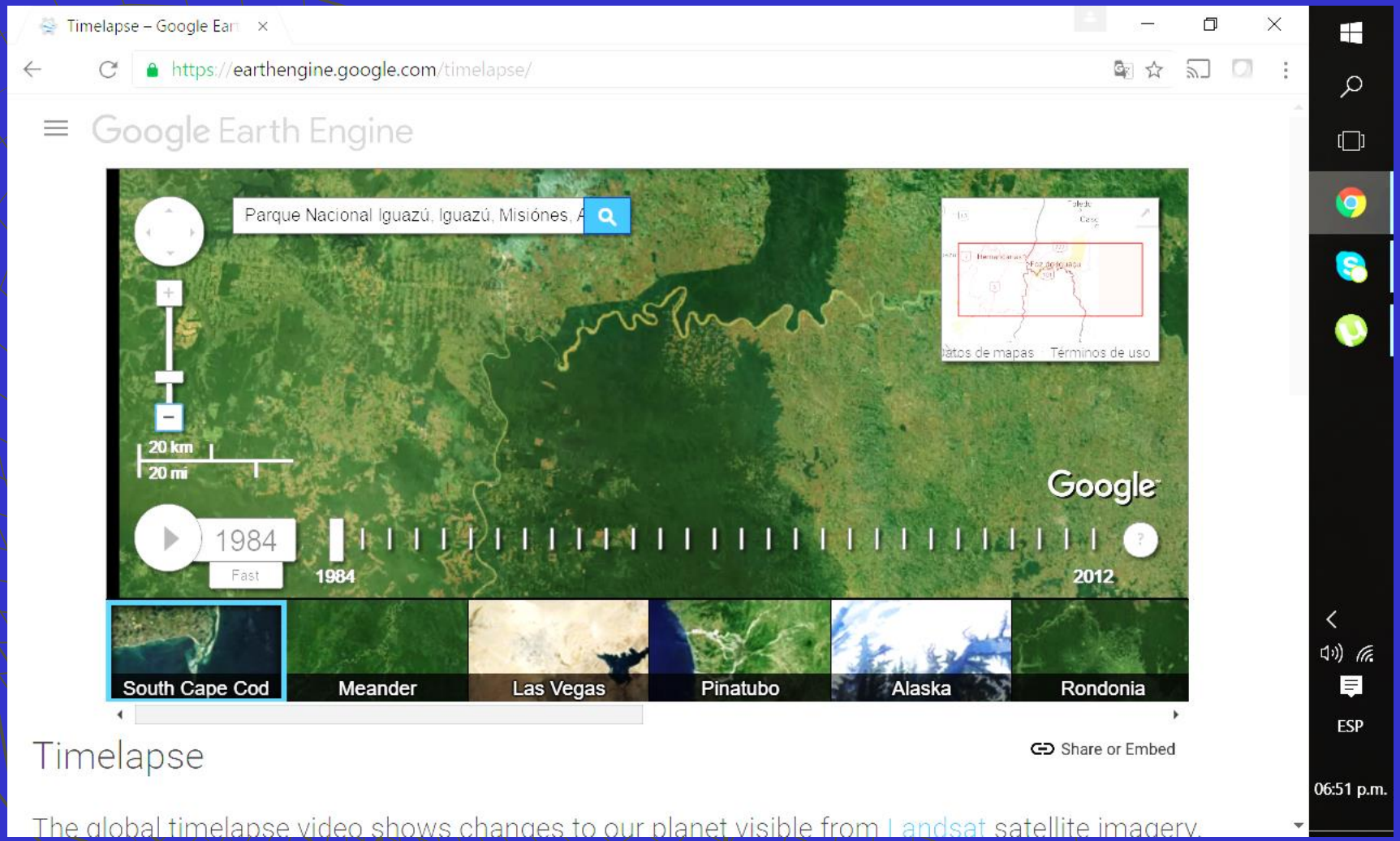

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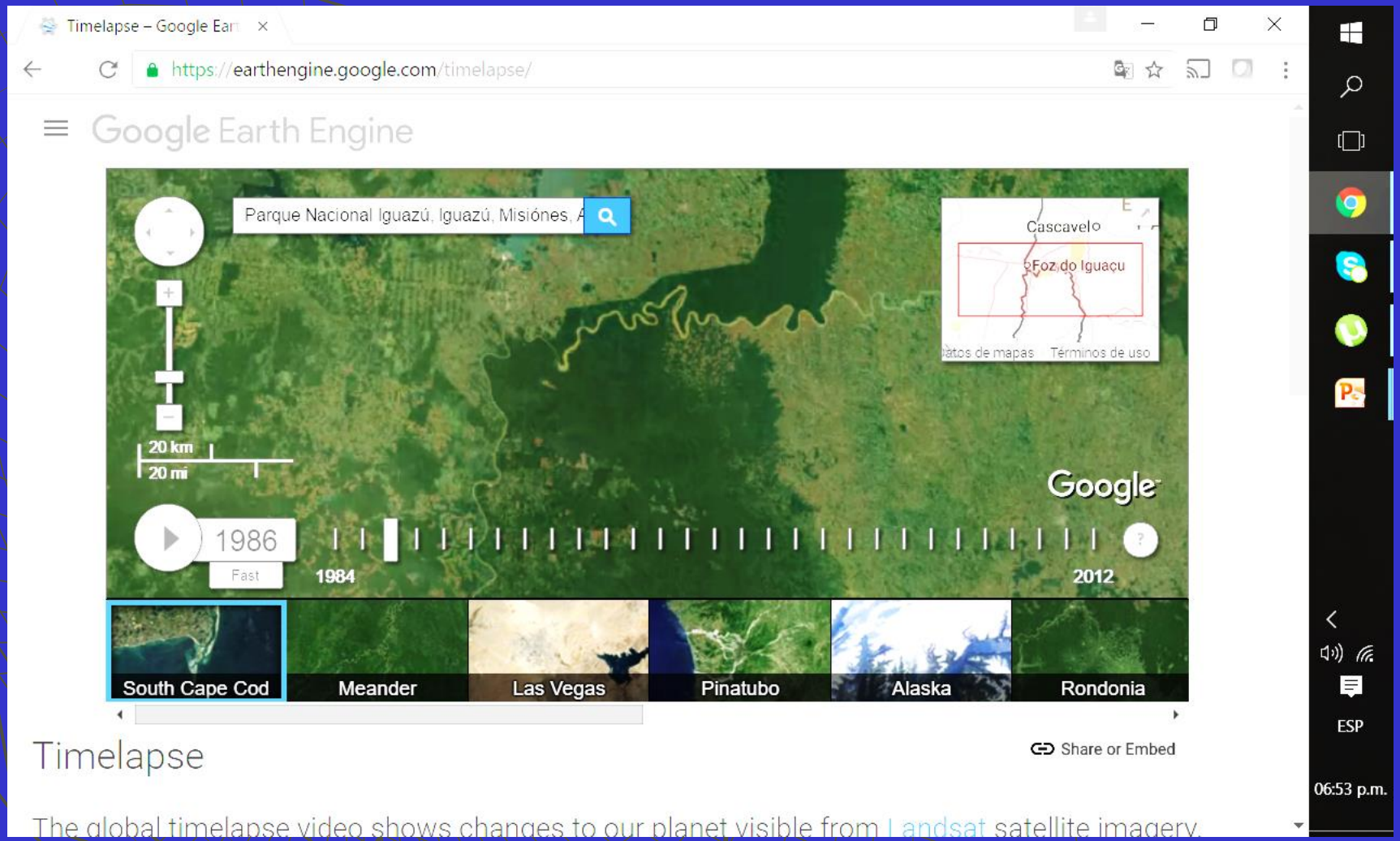

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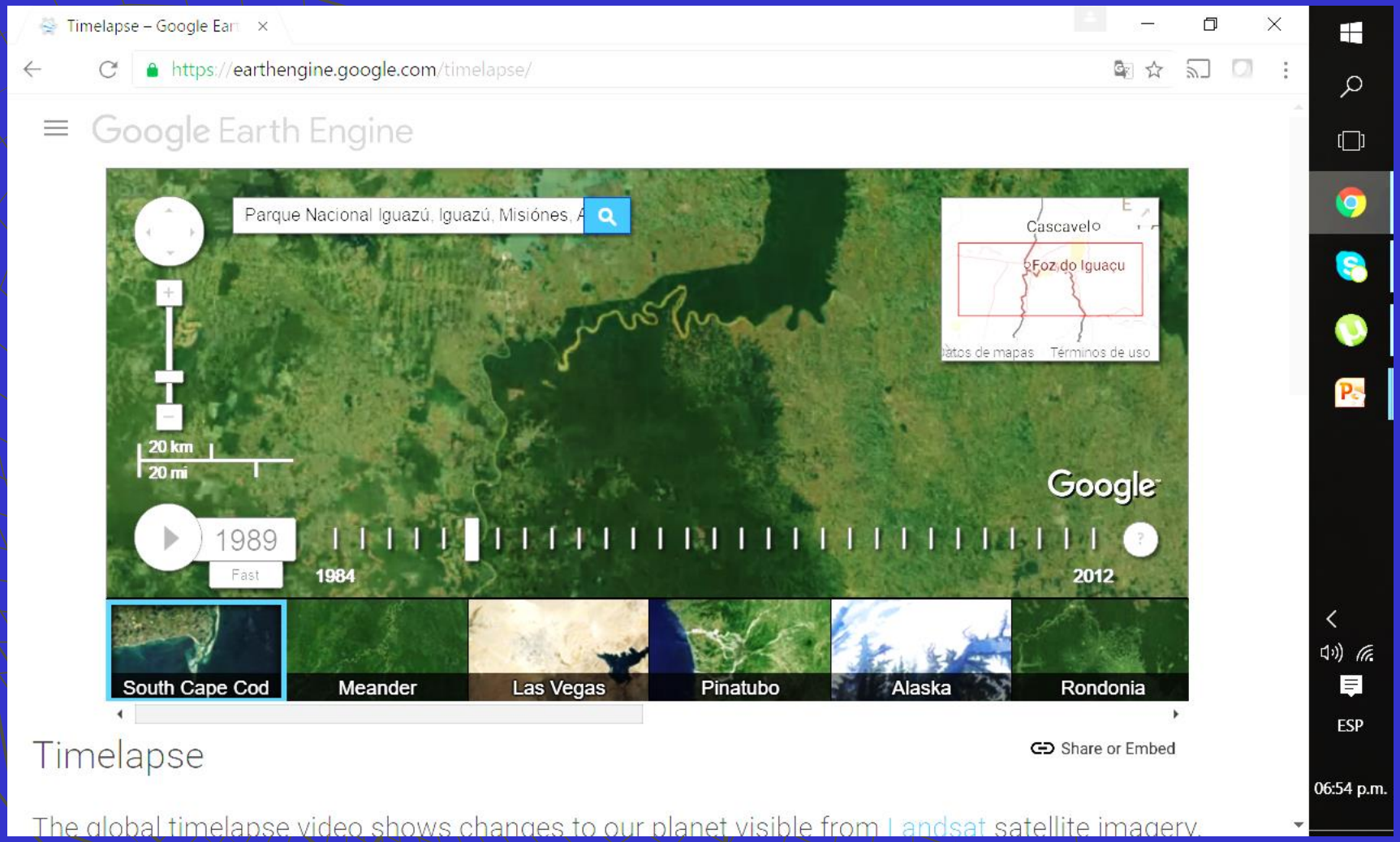

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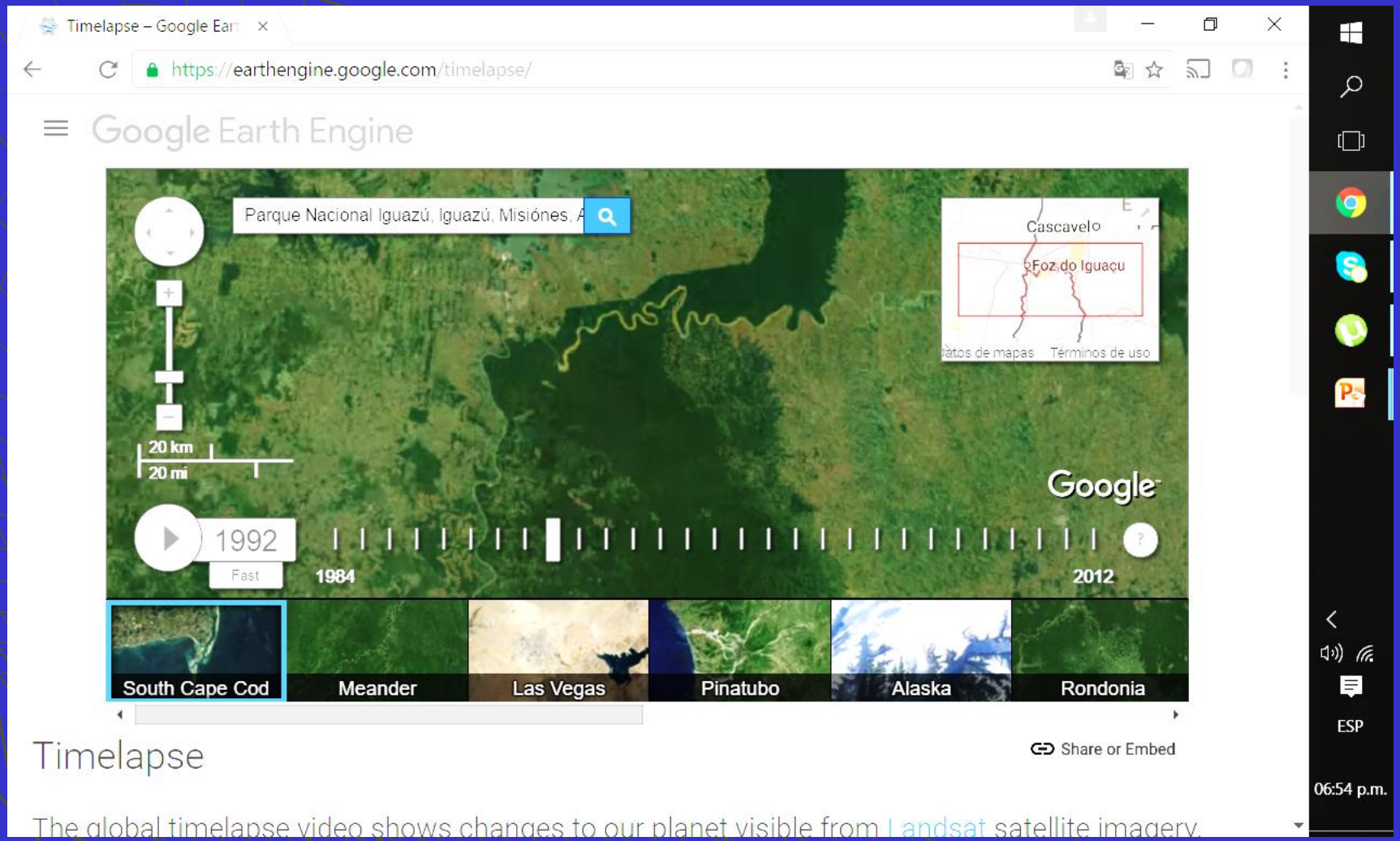

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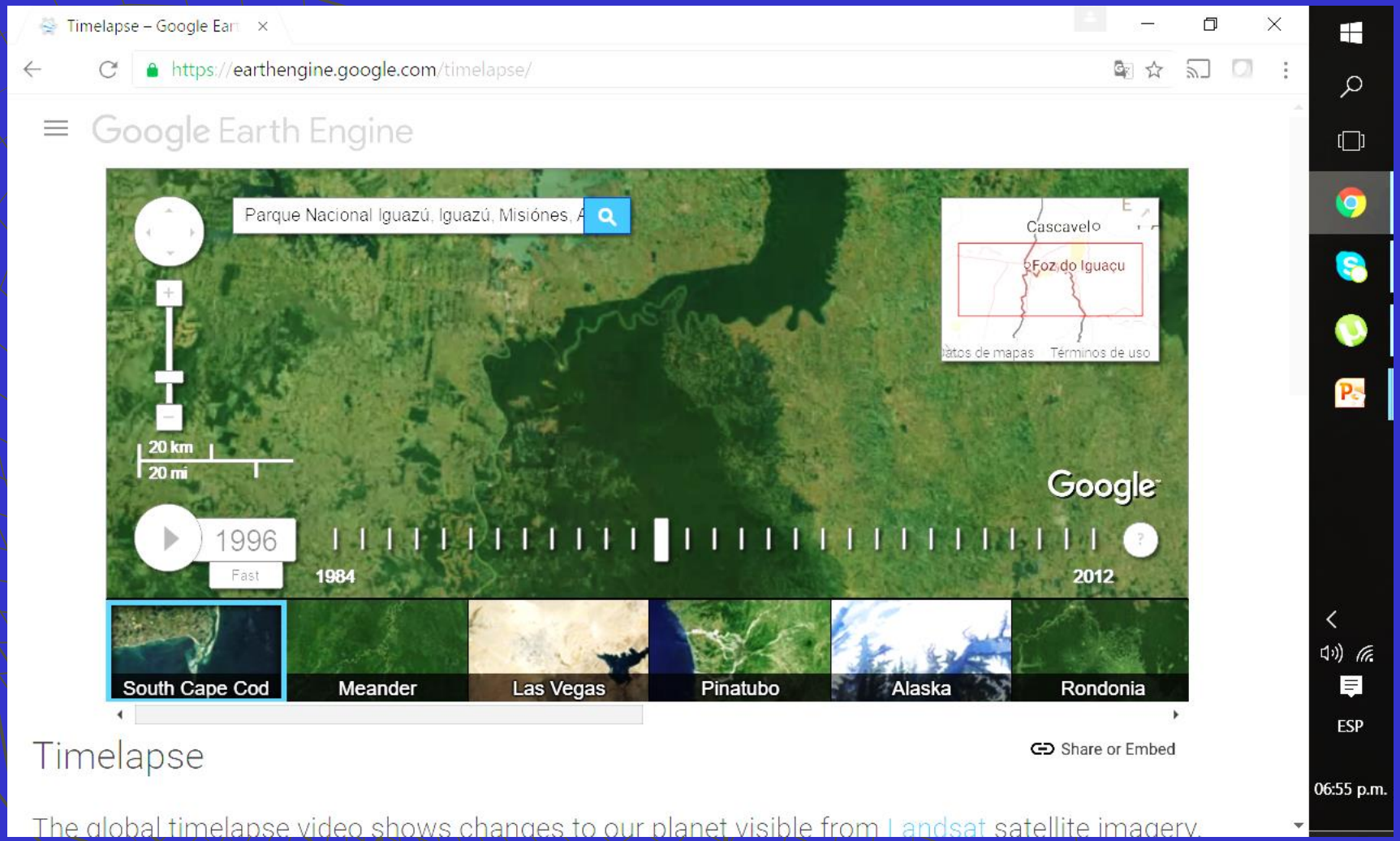

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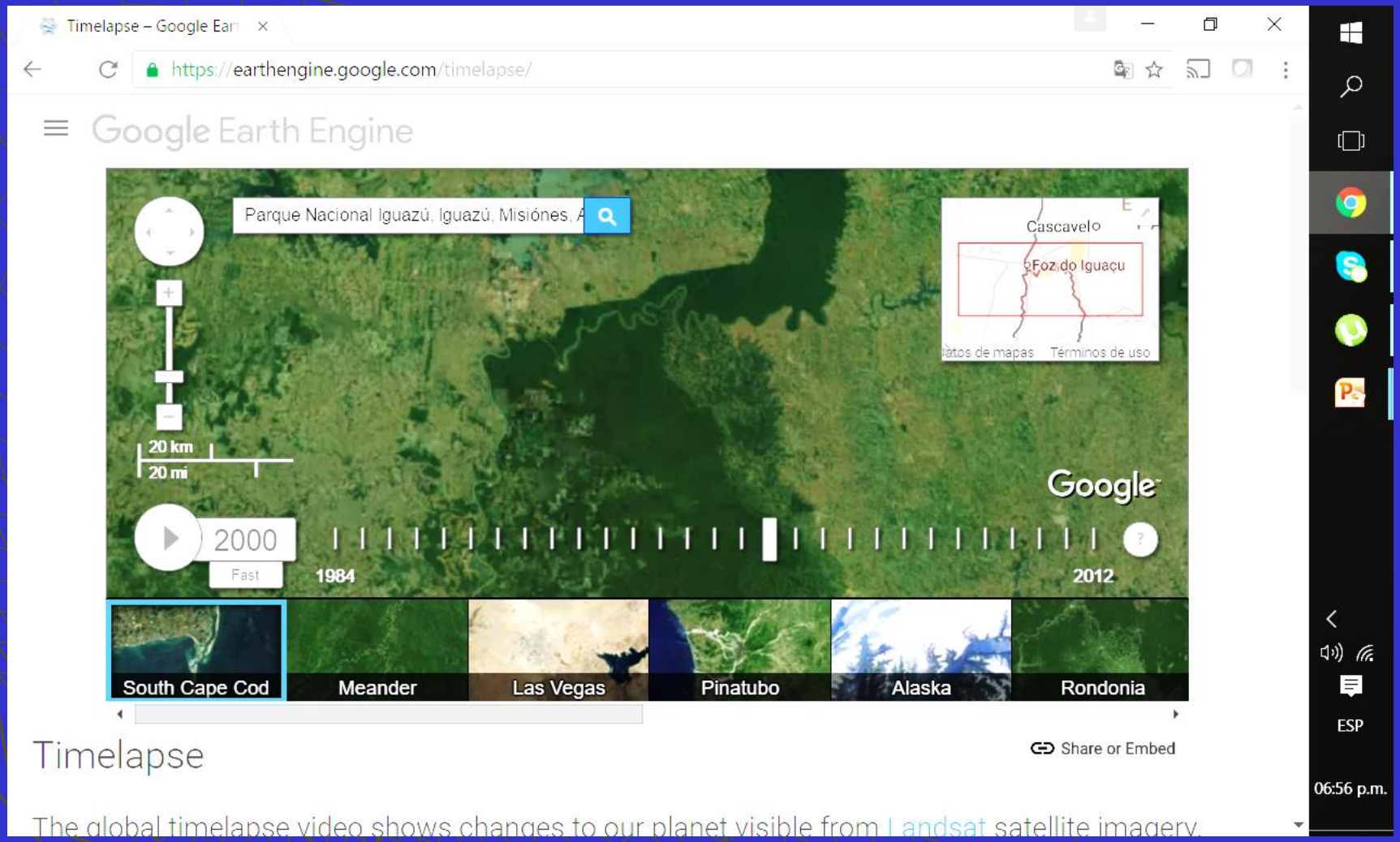

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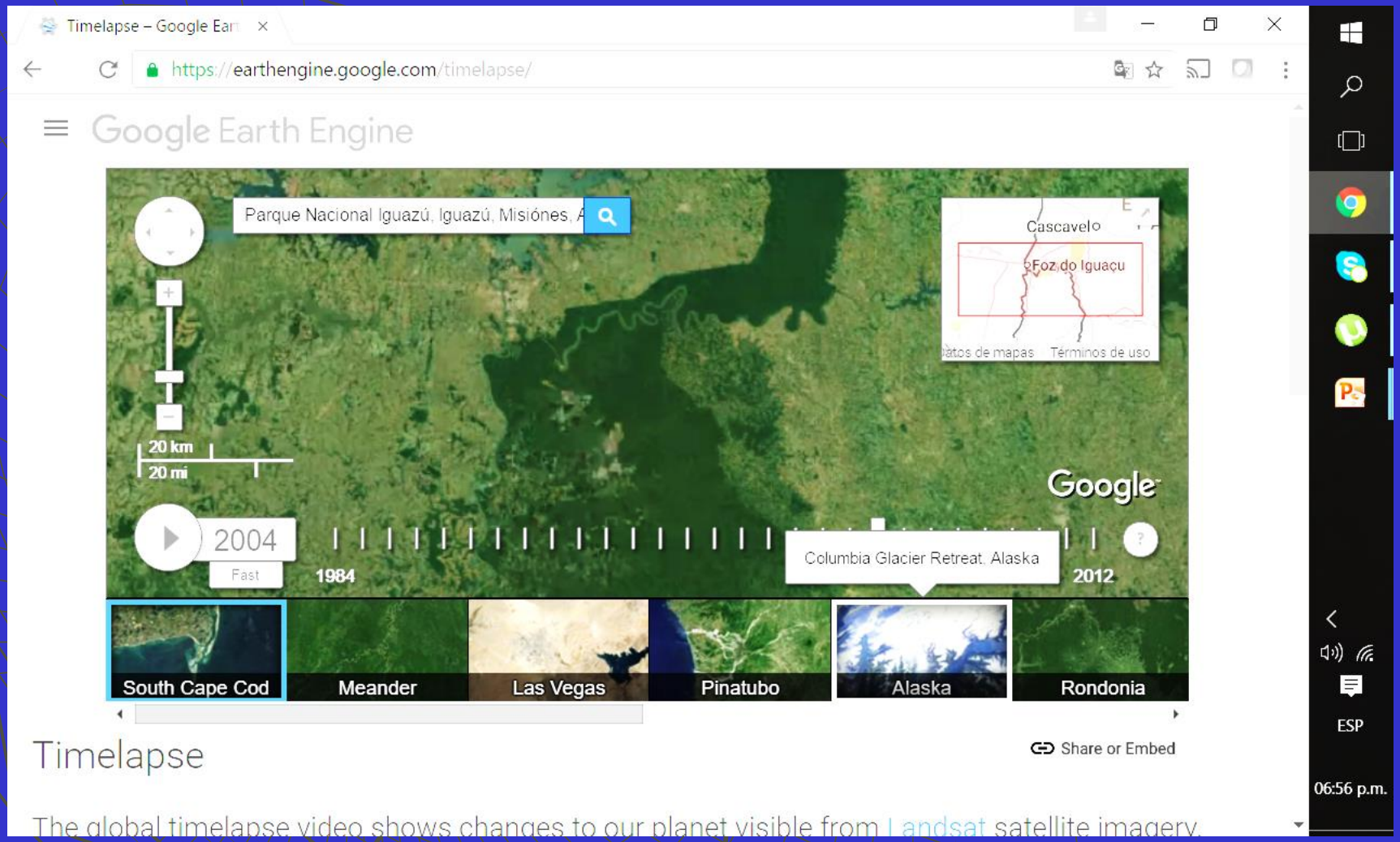

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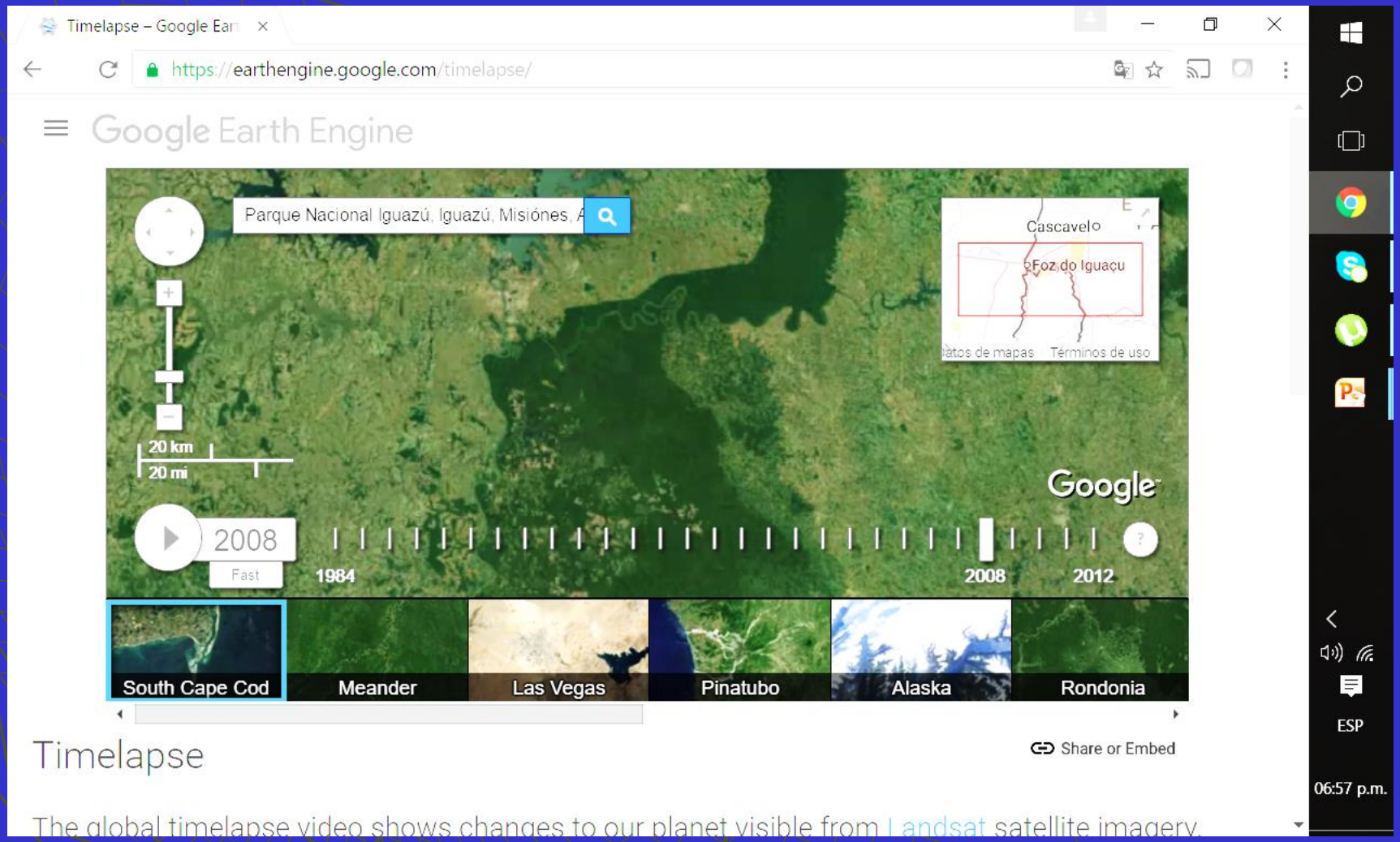

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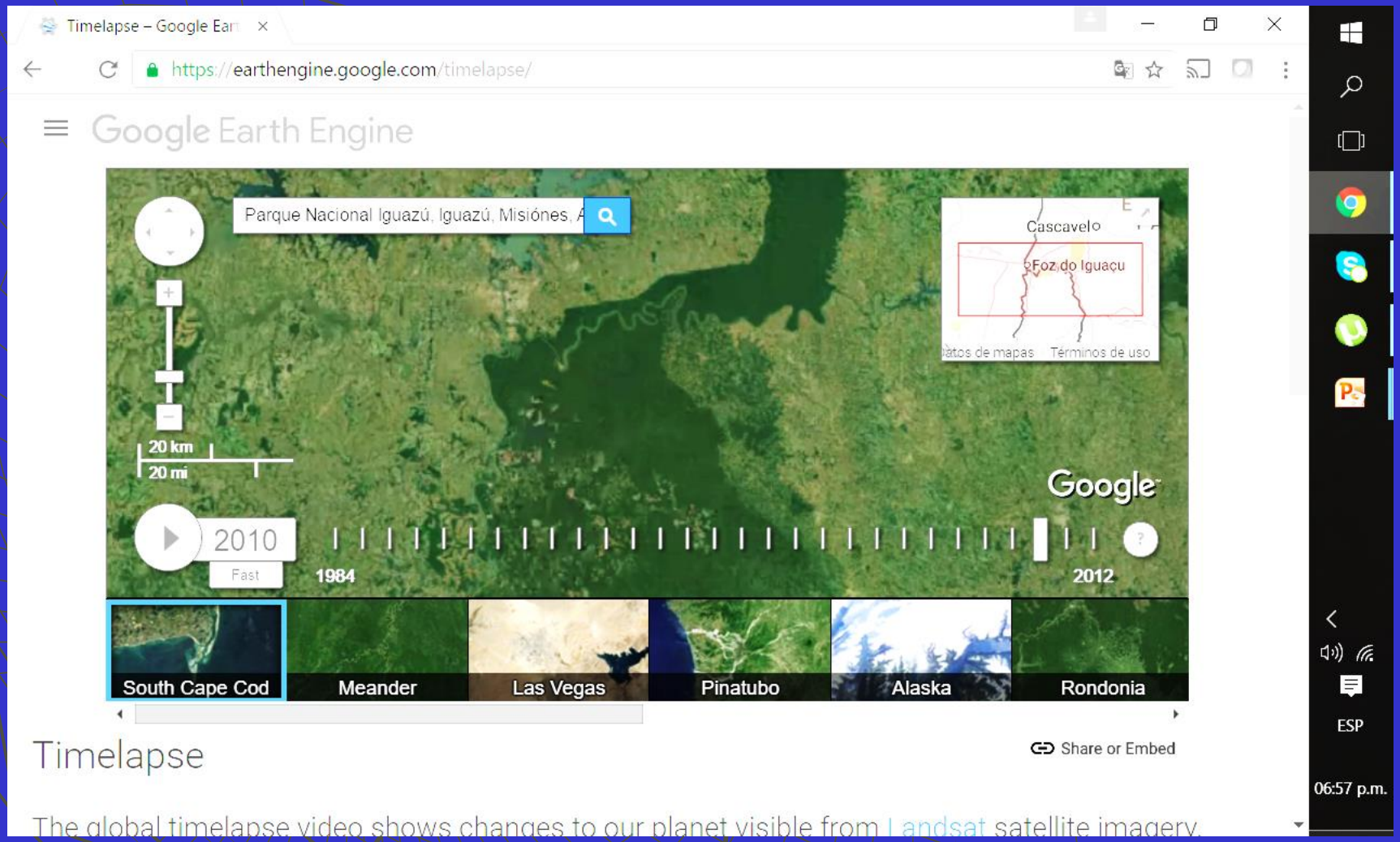

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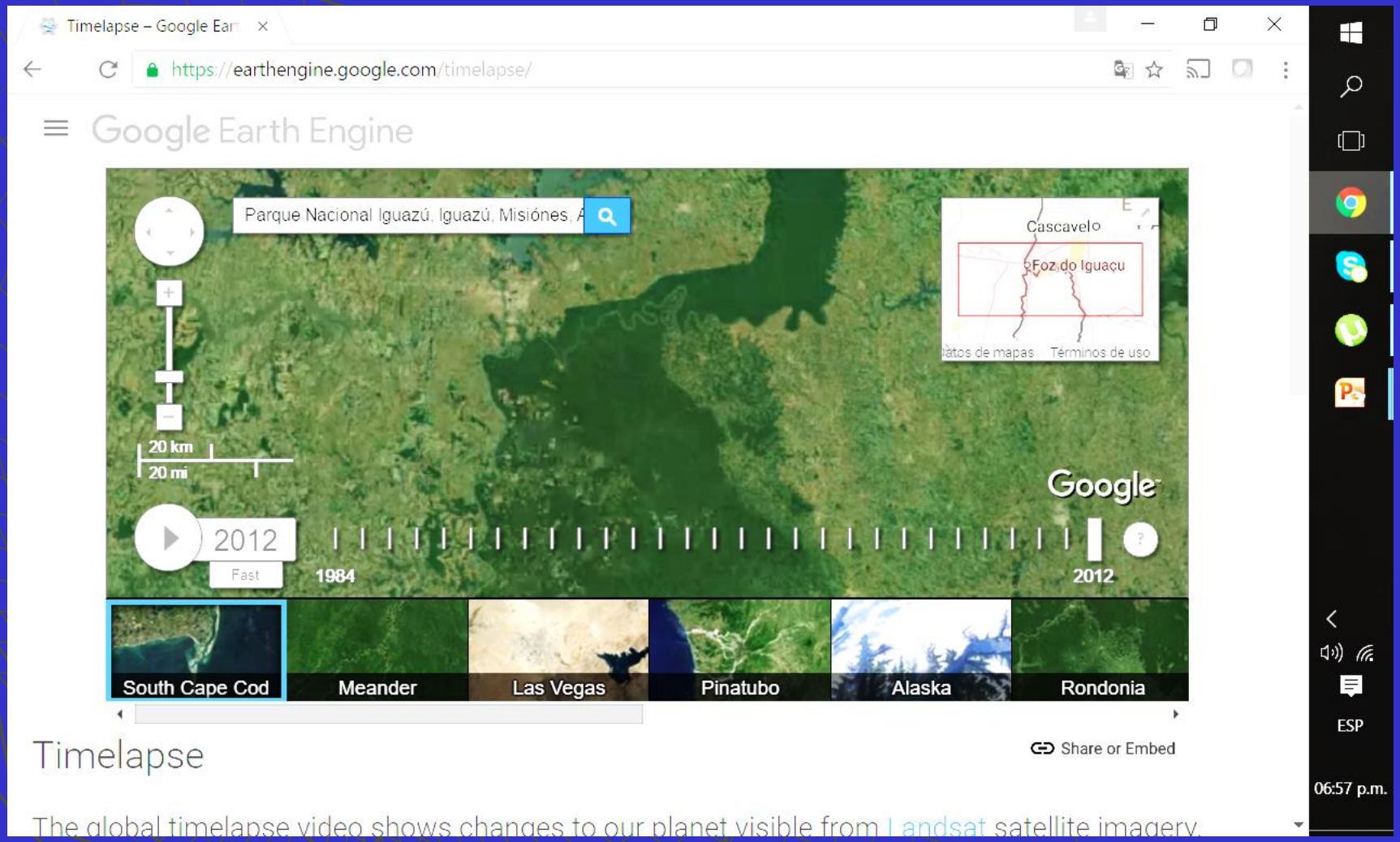
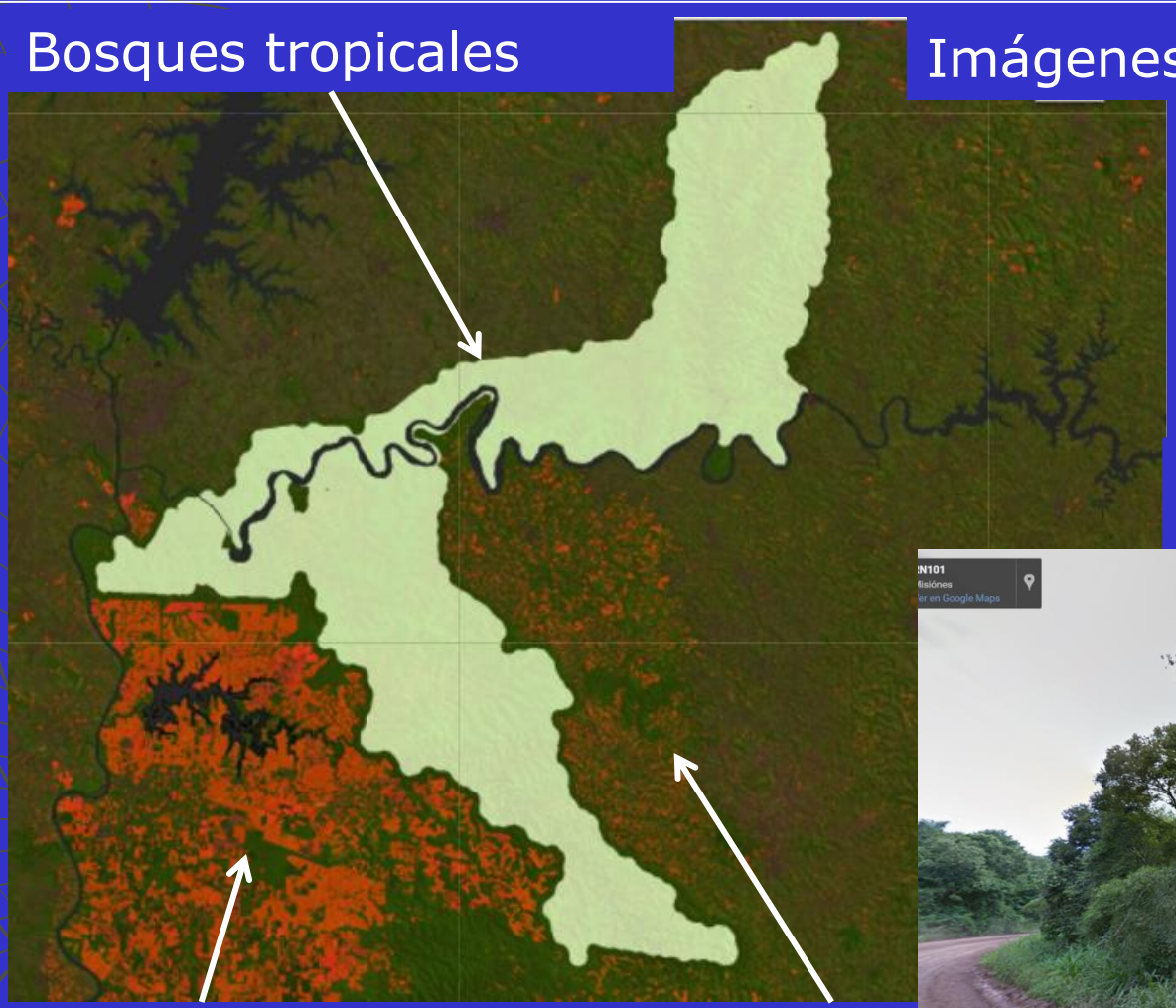


Bosques tropicales

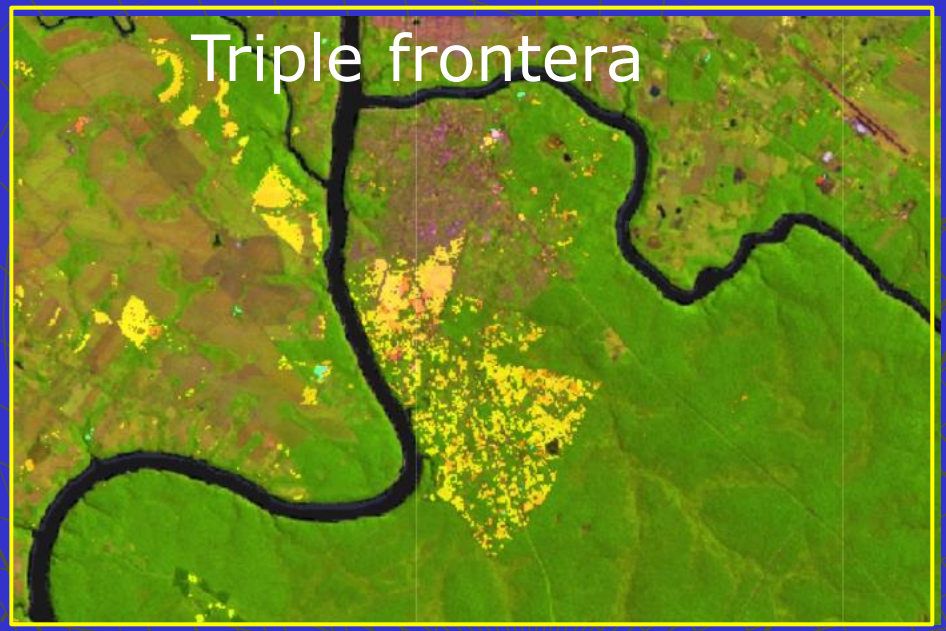
Imágenes Landsat

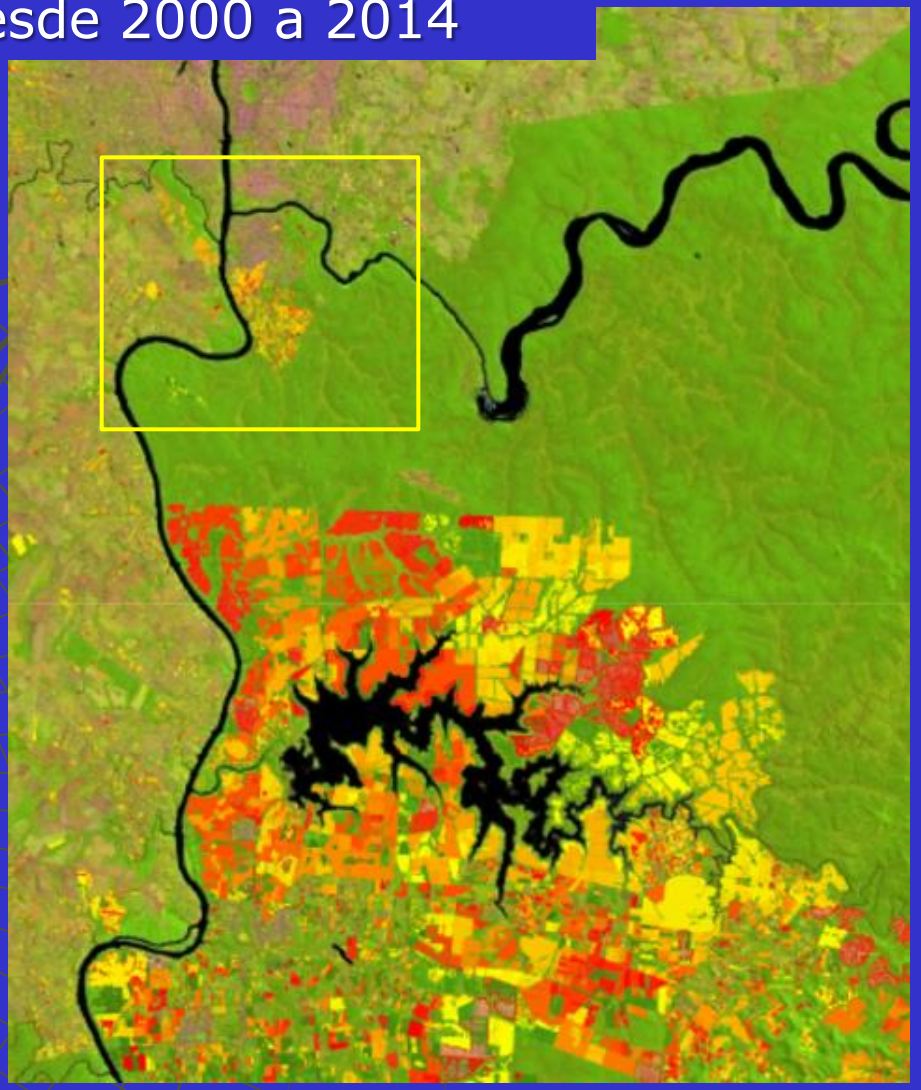


Bosques perdidos desde 2000 a 2014

Global Forest change
https://earthenginepartners.appspot.com/science-2013-global-forest

Bosques perdidos desde 2000 a 2014





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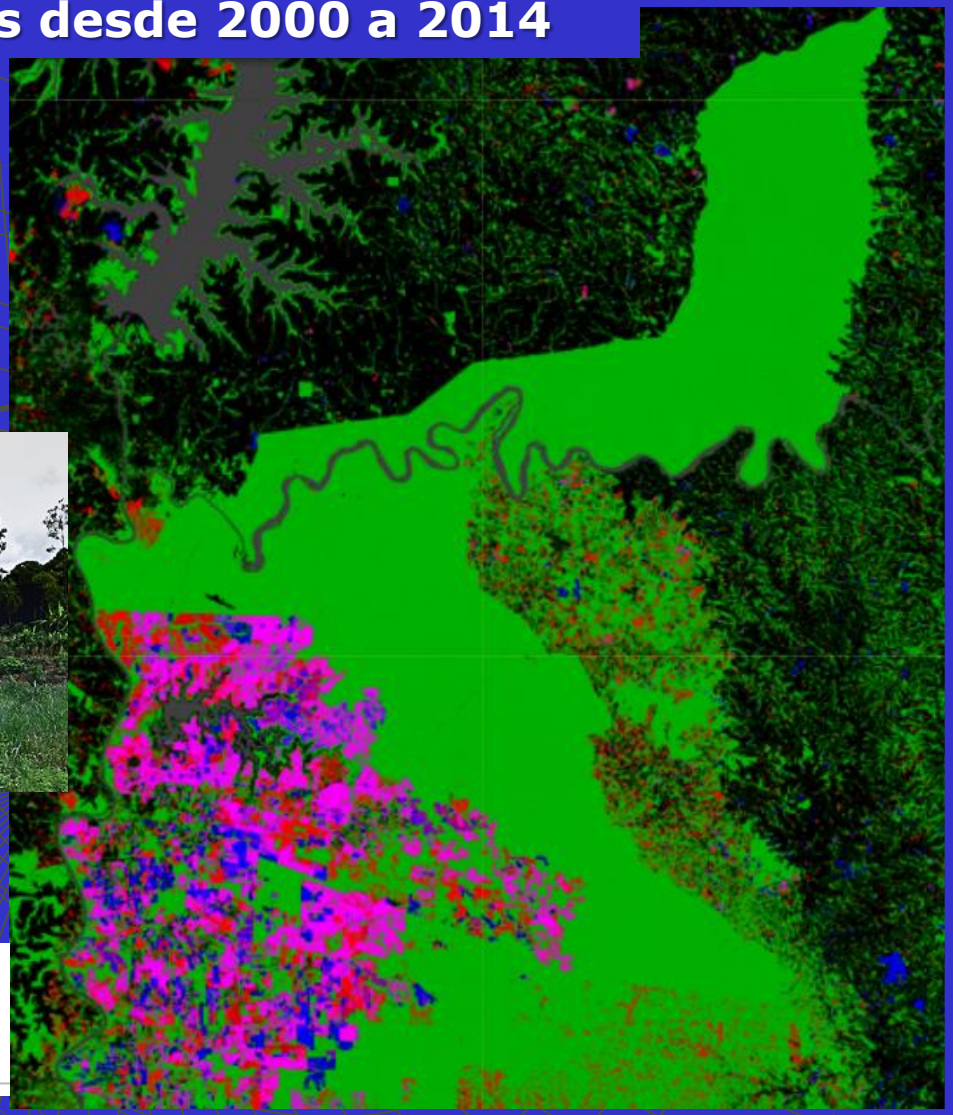

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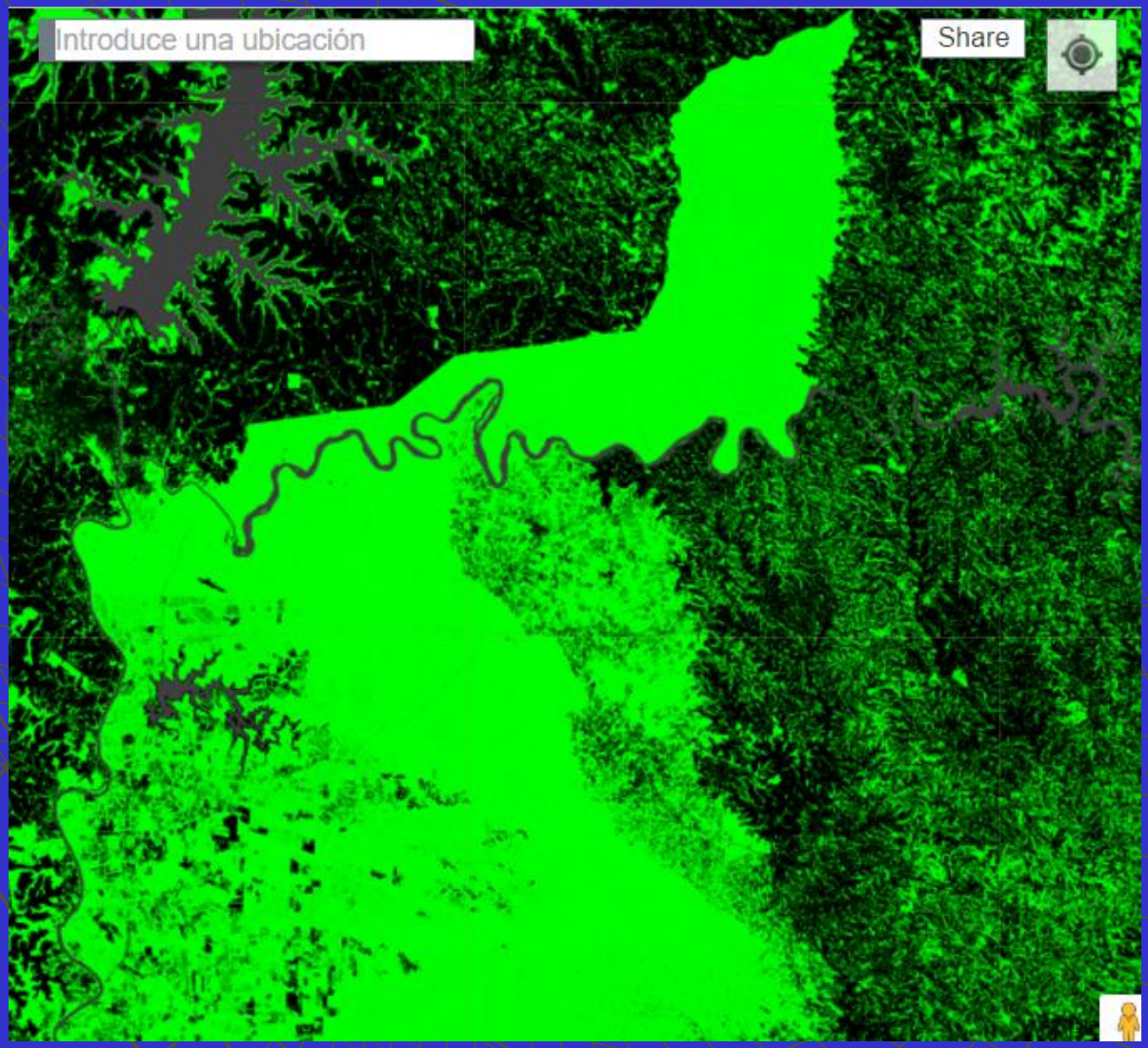
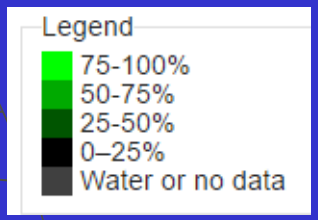


% de cobertura de árboles
año 2000



Global Forest change
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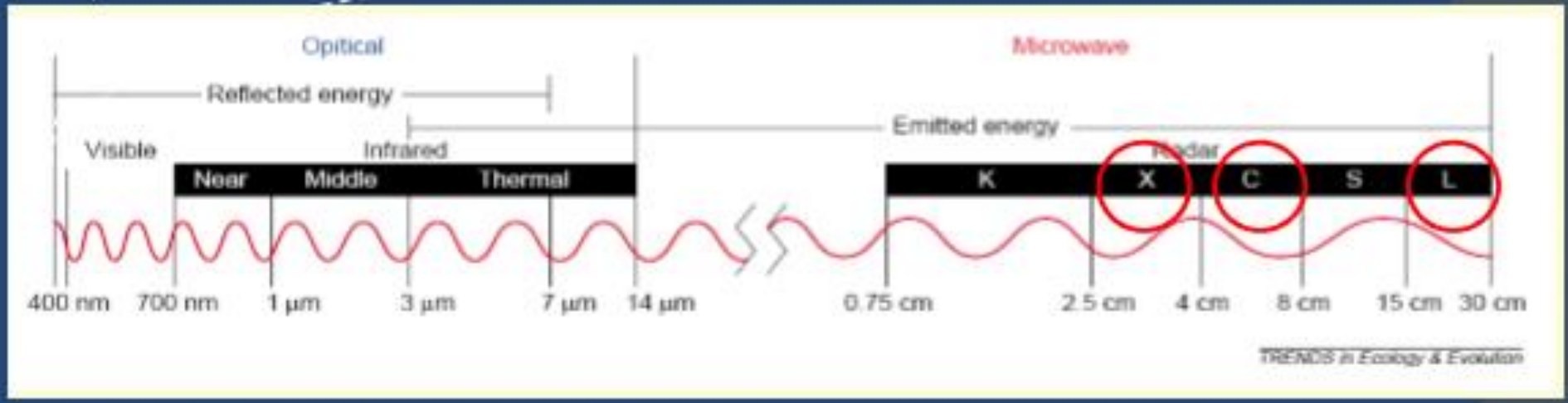
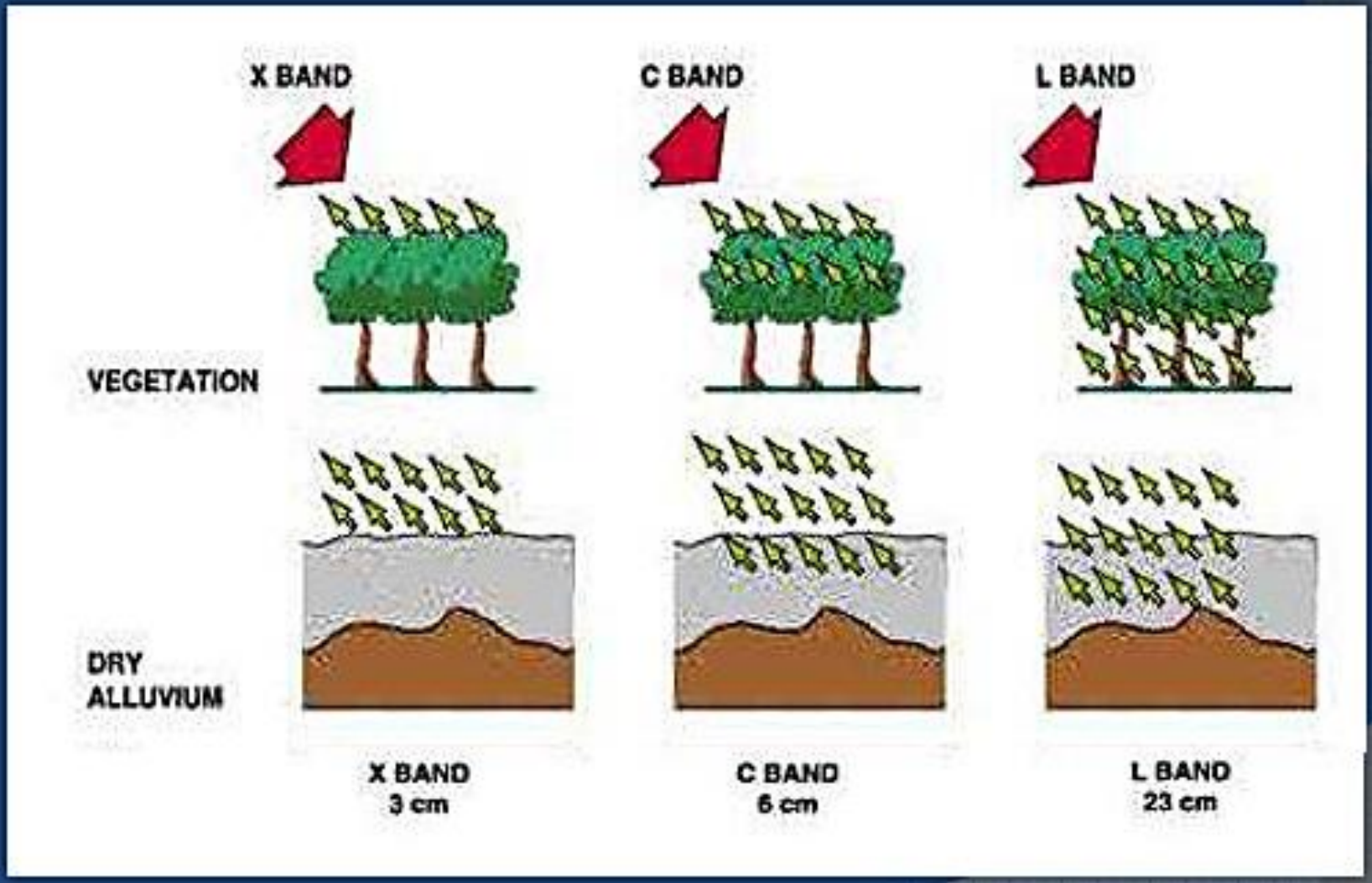
ESPECTRO ELECTROMAGNÉTICO



La profundidad de penetración aumenta con la longitud de onda.

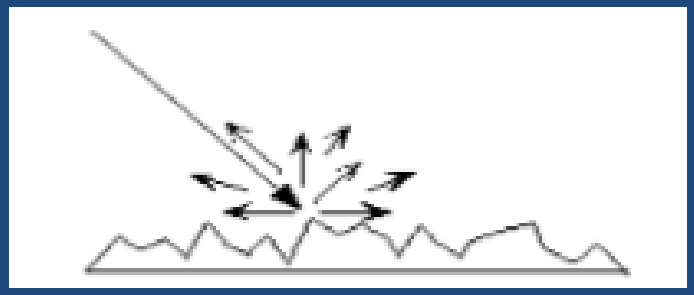
X: COSMO SkyMed, Terra SAR-X
C: ERS-1 y 2, RADARSAT-1 y 2, ENVISAT Asar
L: JERS-1, ALOS Palsar, SAOCOM

Penetración en suelos y vegetación

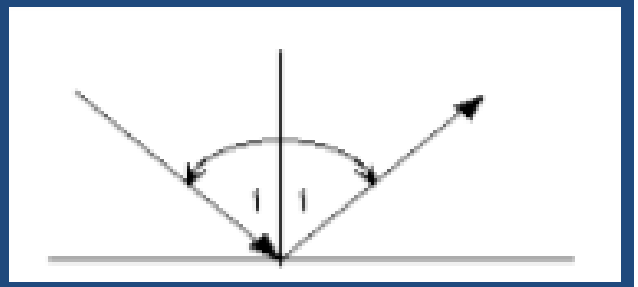


DISTINTAS FORMAS DE RETRO-DISPERSIÓN DE LAS MICROONDAS

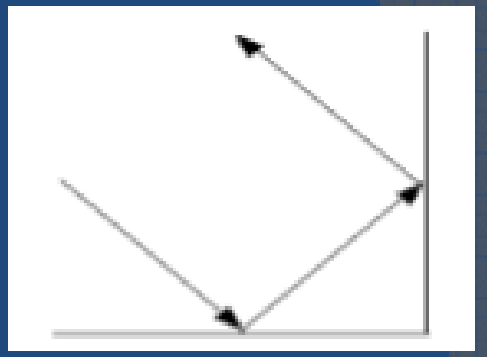
a) Dispersión de superficie



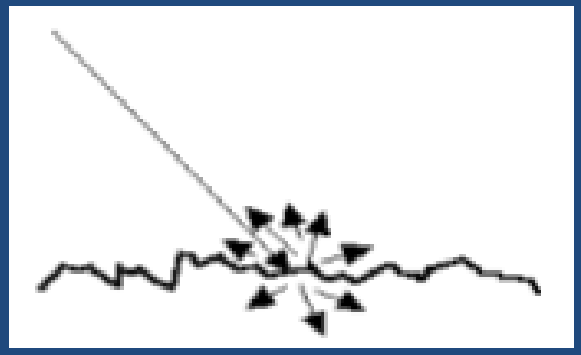
Reflexión difusa



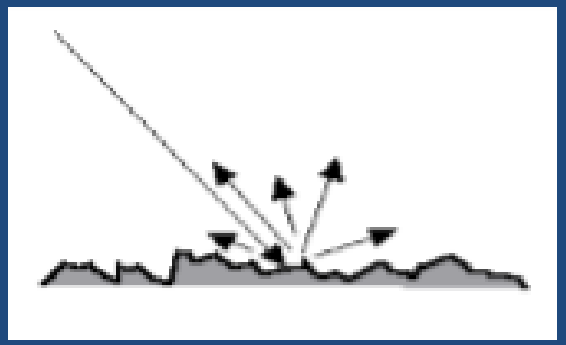
Reflexión especular



Reflexión efecto esquina



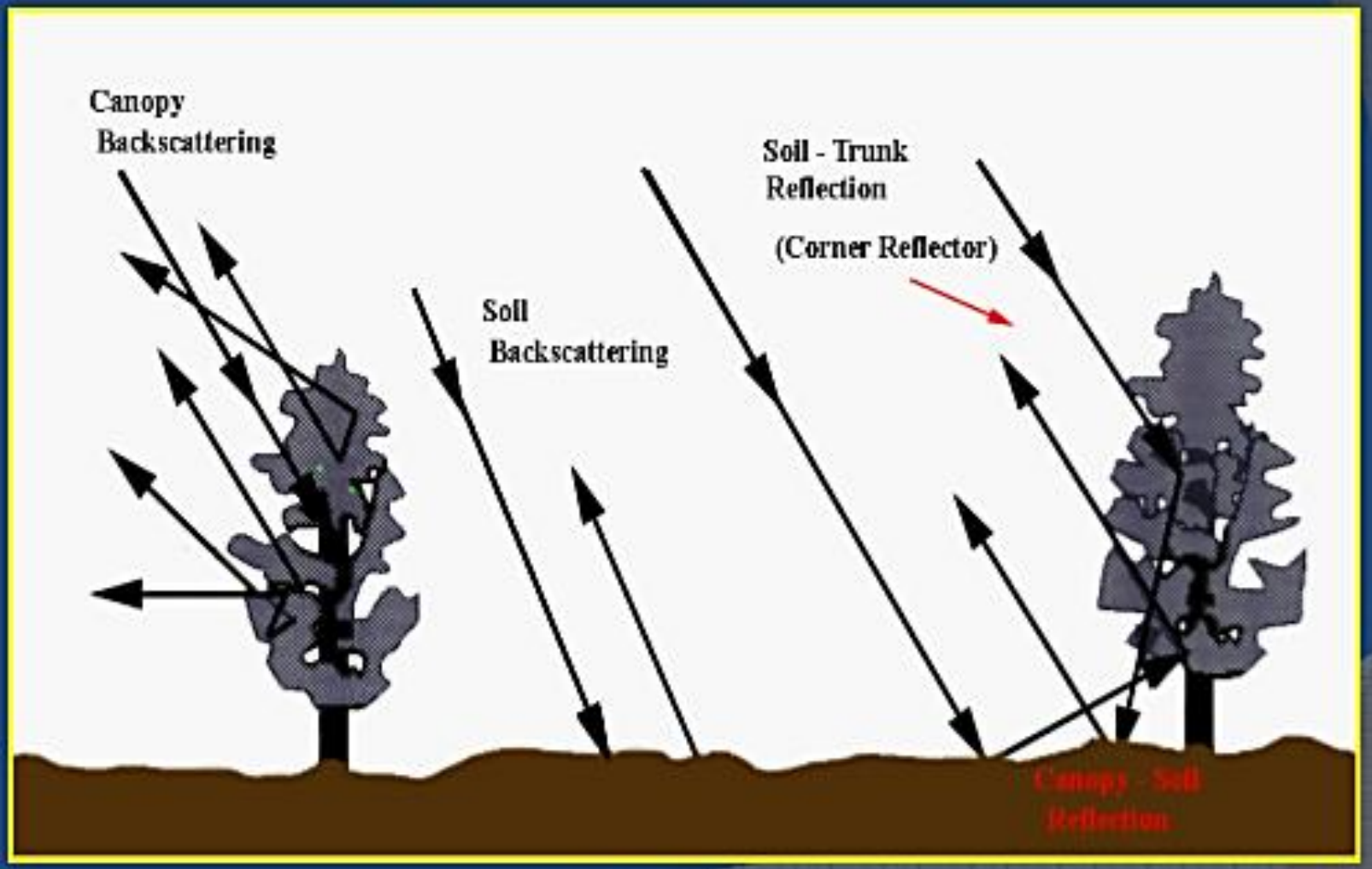
Suelo seco

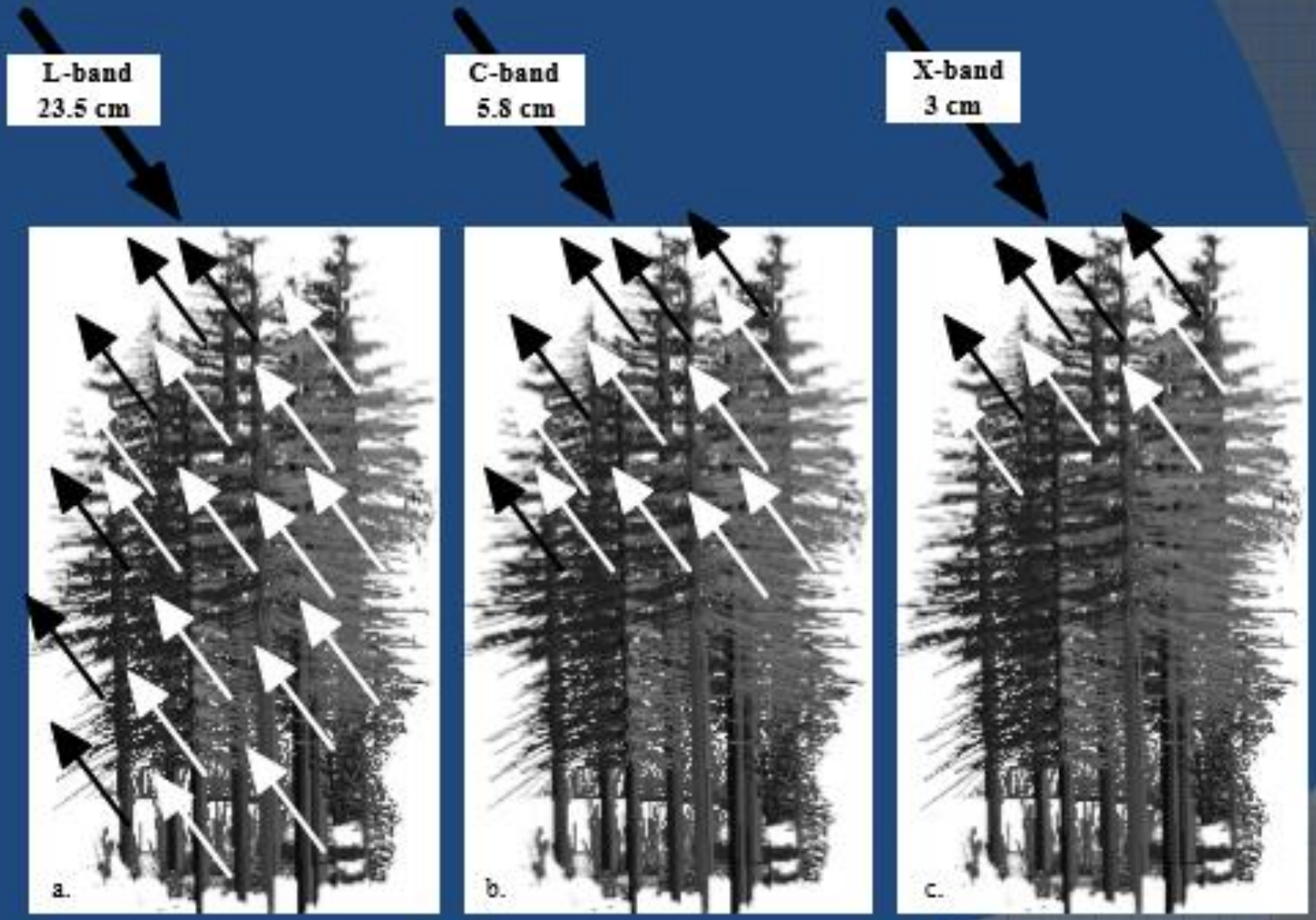


Suelo húmedo

Suelo inundado

Ejemplos de dispersión de volumen:
vegetación densa, nieve seca y suelo muy seco.





Capacidad de penetración de la señal en bosques

La frecuencia/longitud de onda de la señal de las microondas determina:

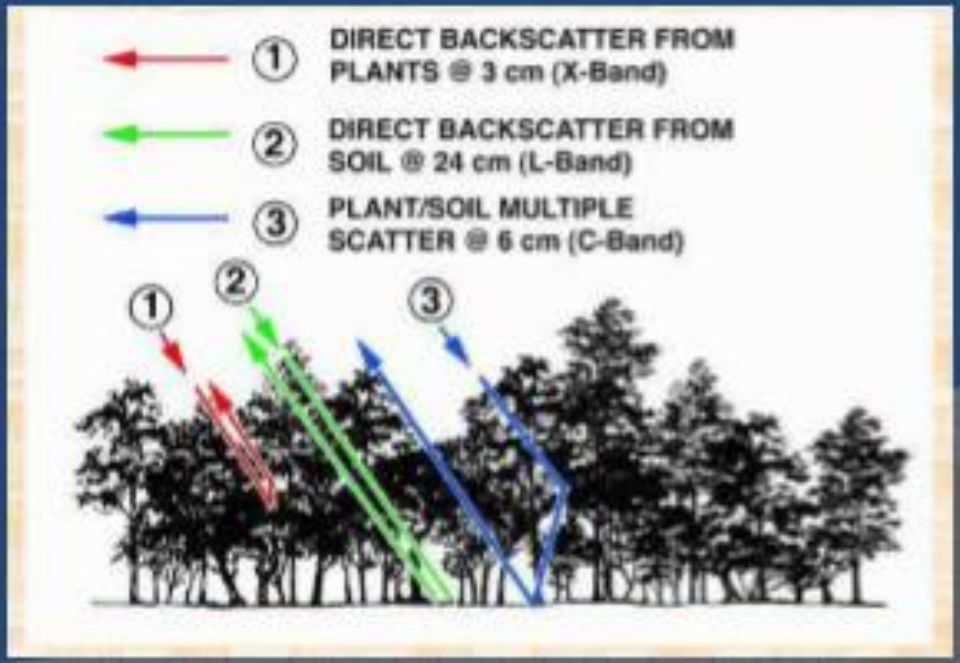
- la retrosdispersión radar

- la penetración de la señal

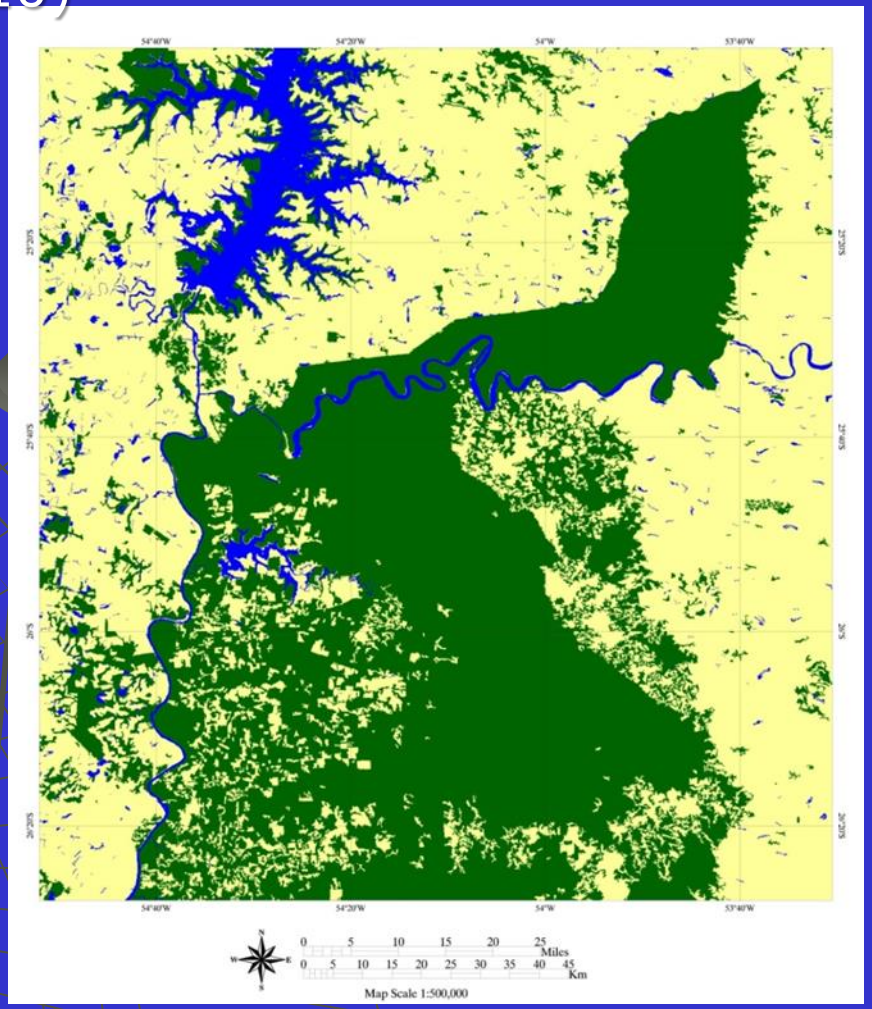
Este parámetro actúa de dos maneras distintas:

- la constante dieléctrica compleja de los volúmenes depende de la frecuencia
- la retrodispersión se relaciona con las longitudes de onda

Interacciones primarias de las distintas bandas de radar con el bosque



New global 25m-resolution PALSAR mosaic and forest/non-forest map (2007-2010)



http://www.eorc.jaxa.jp/ALOS/en/palsar_fnf/registration.htm

After accessing the URL and filling the questions, pre-registration will be conducted (This does not mean that the registration is complete). Then, you may receive the URL for the final registration.

After this process, you can download the data from the following URL.

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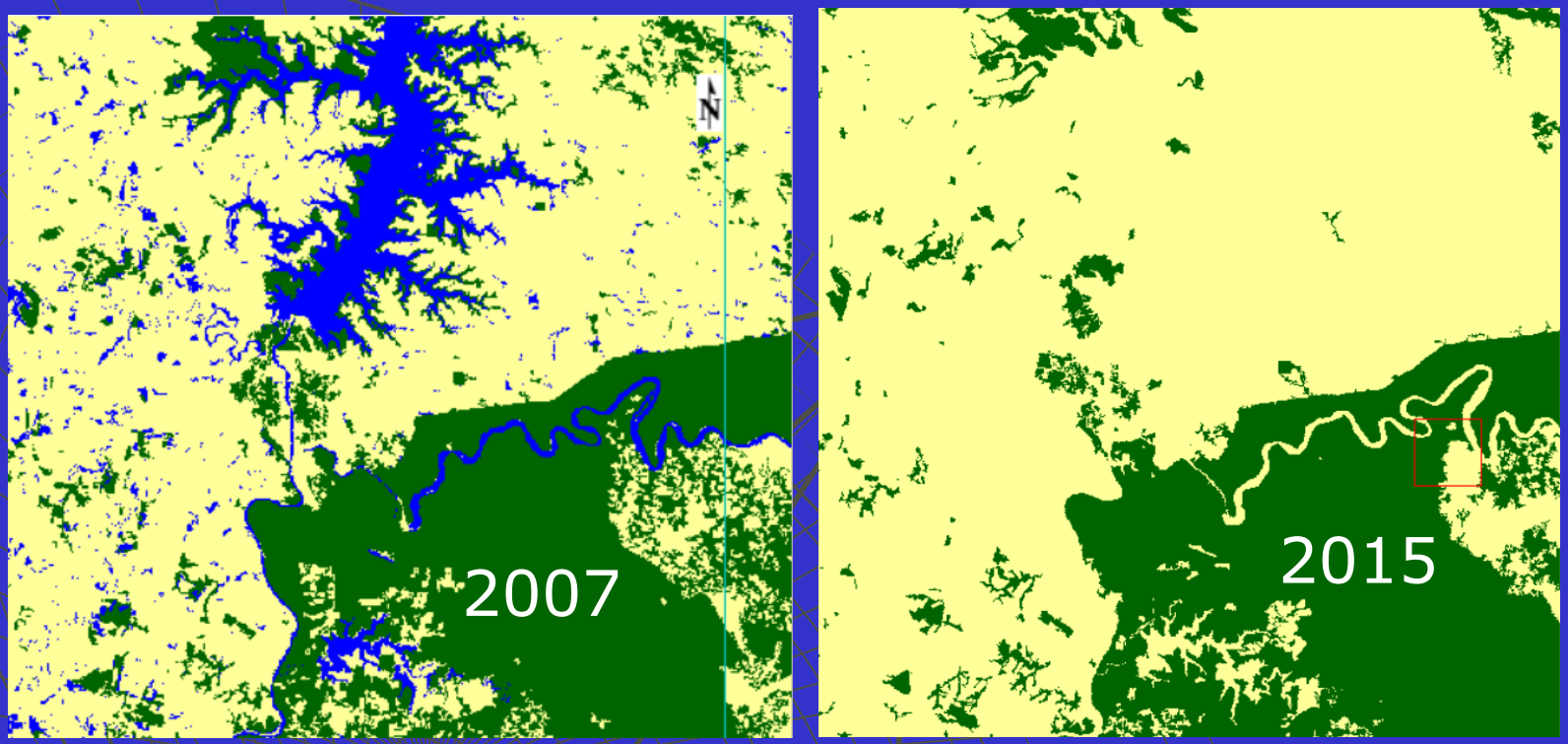
New global 25m-resolution PALSAR mosaic and forest/non-forest map (2007-2015)



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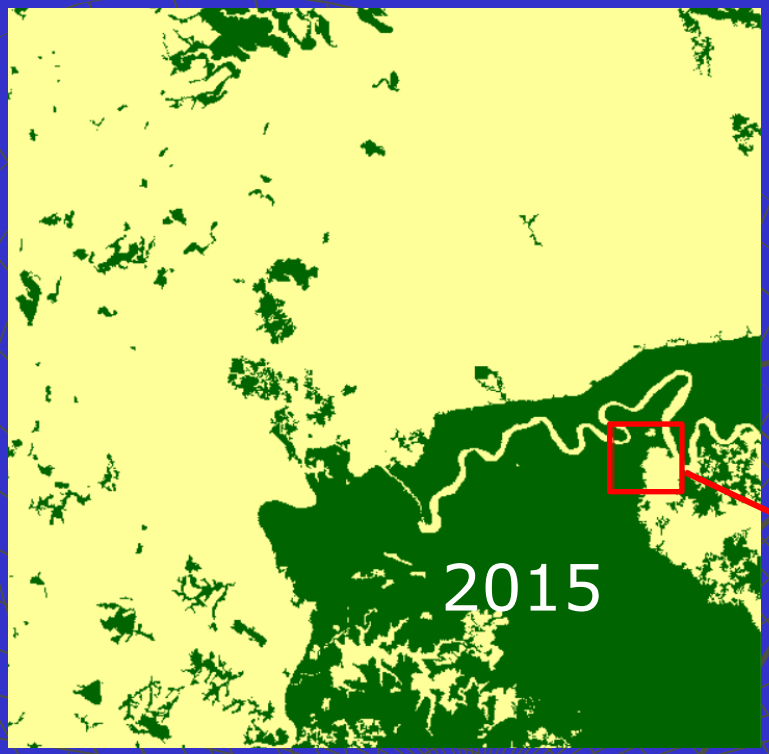
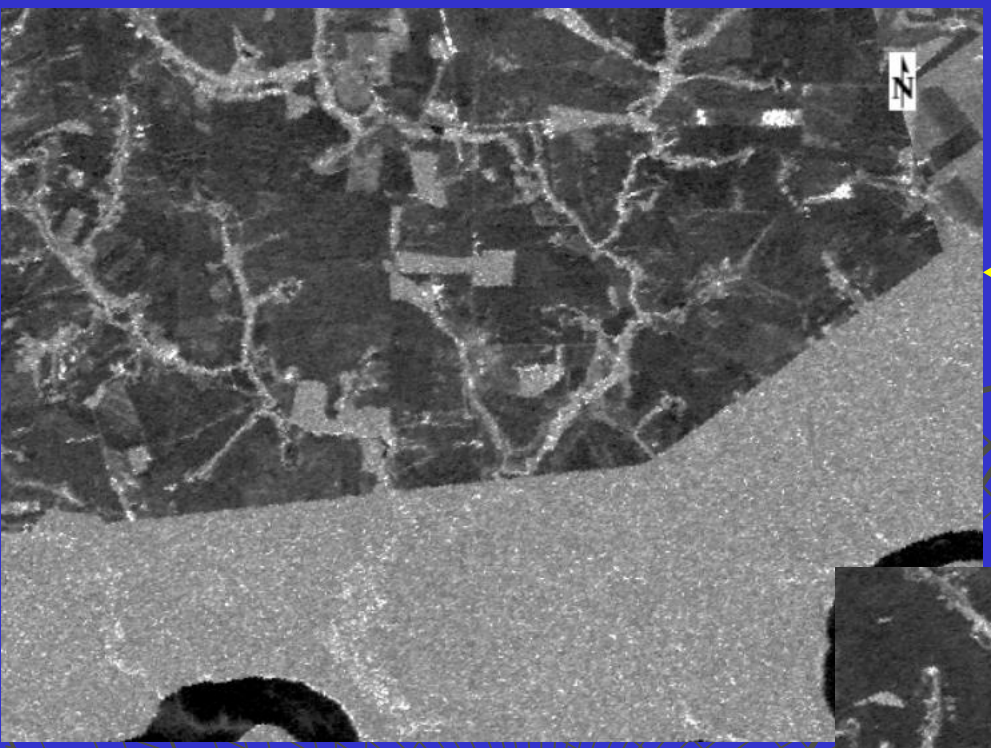
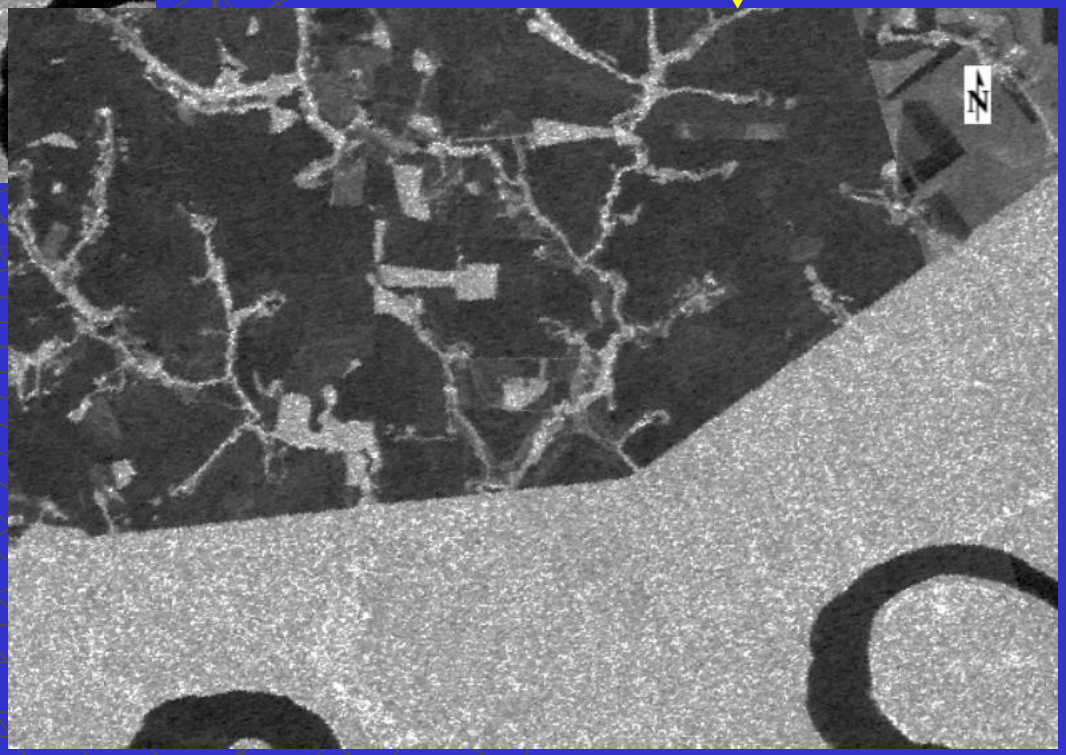


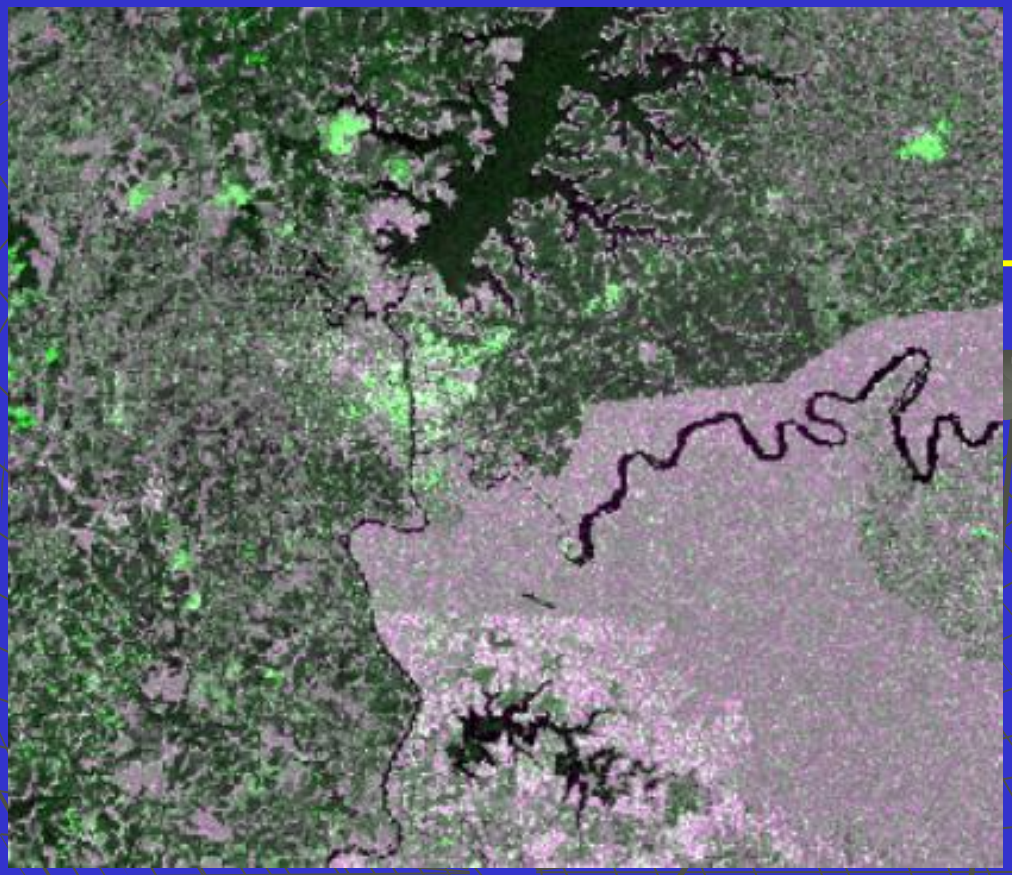
ALOS PALSAR 1

HH

HV

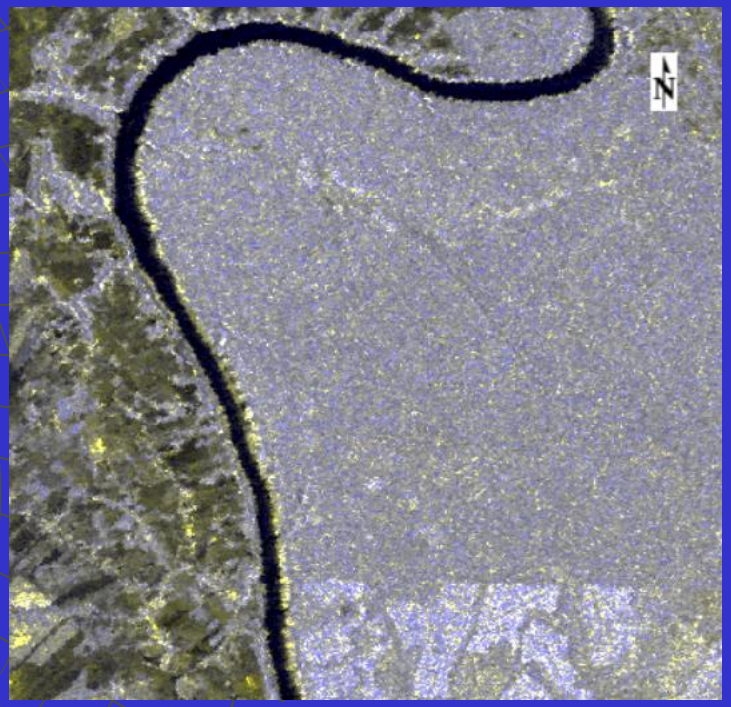






ALOS PALSAR 1

2007



ALOS PALSAR
Color composition
R: HH January
G: HH September
B: HV September

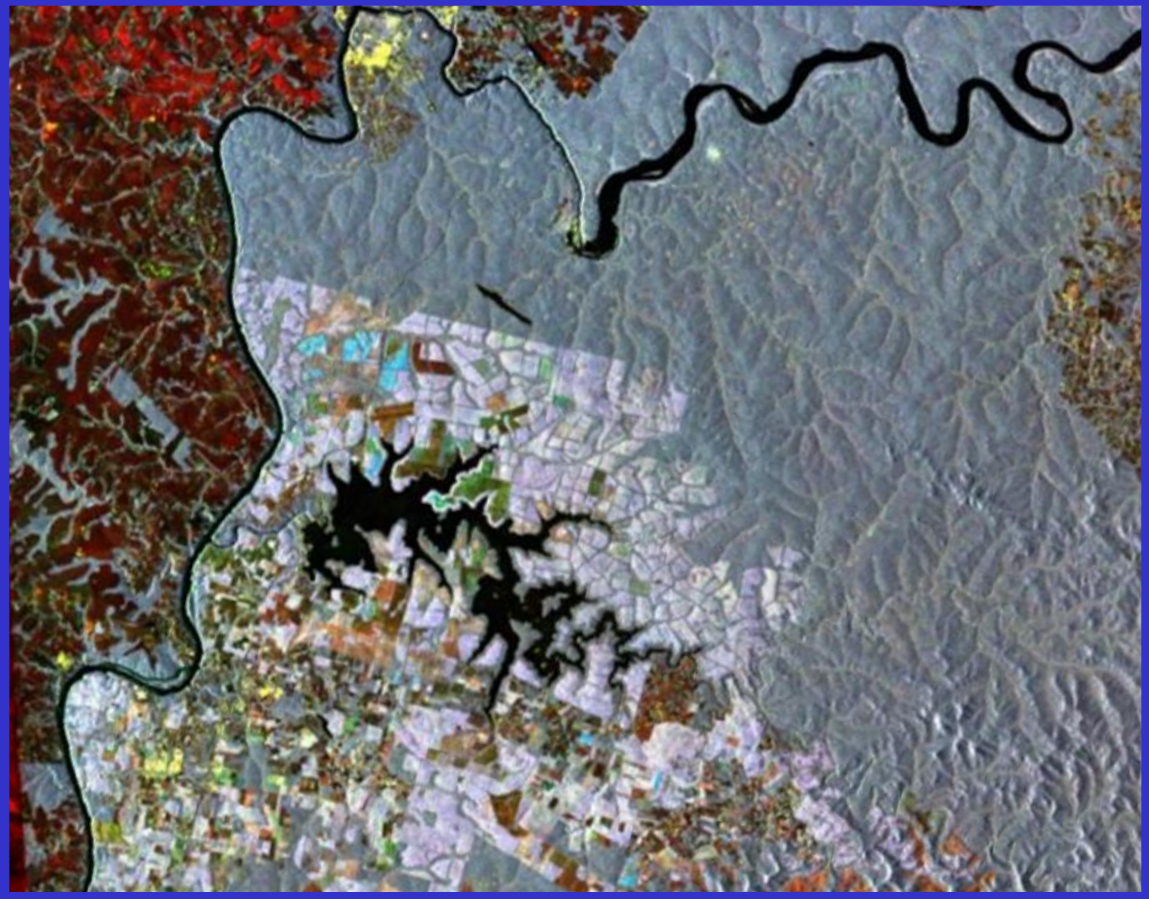
ALOS PALSAR

Color composition

R: HH January

G: HH September

B: HV September




N101
Misiónes
er en Google Maps