



Escola Politècnica Superior
d'Enginyeria de Manresa

UNIVERSITAT POLITÈCNICA DE CATALUNYA

Visualització en 3D de la xarxa elèctrica del Lluçanès

Treball final de grau

Curs 15 - 2016

Grau en enginyeria Elèctrica

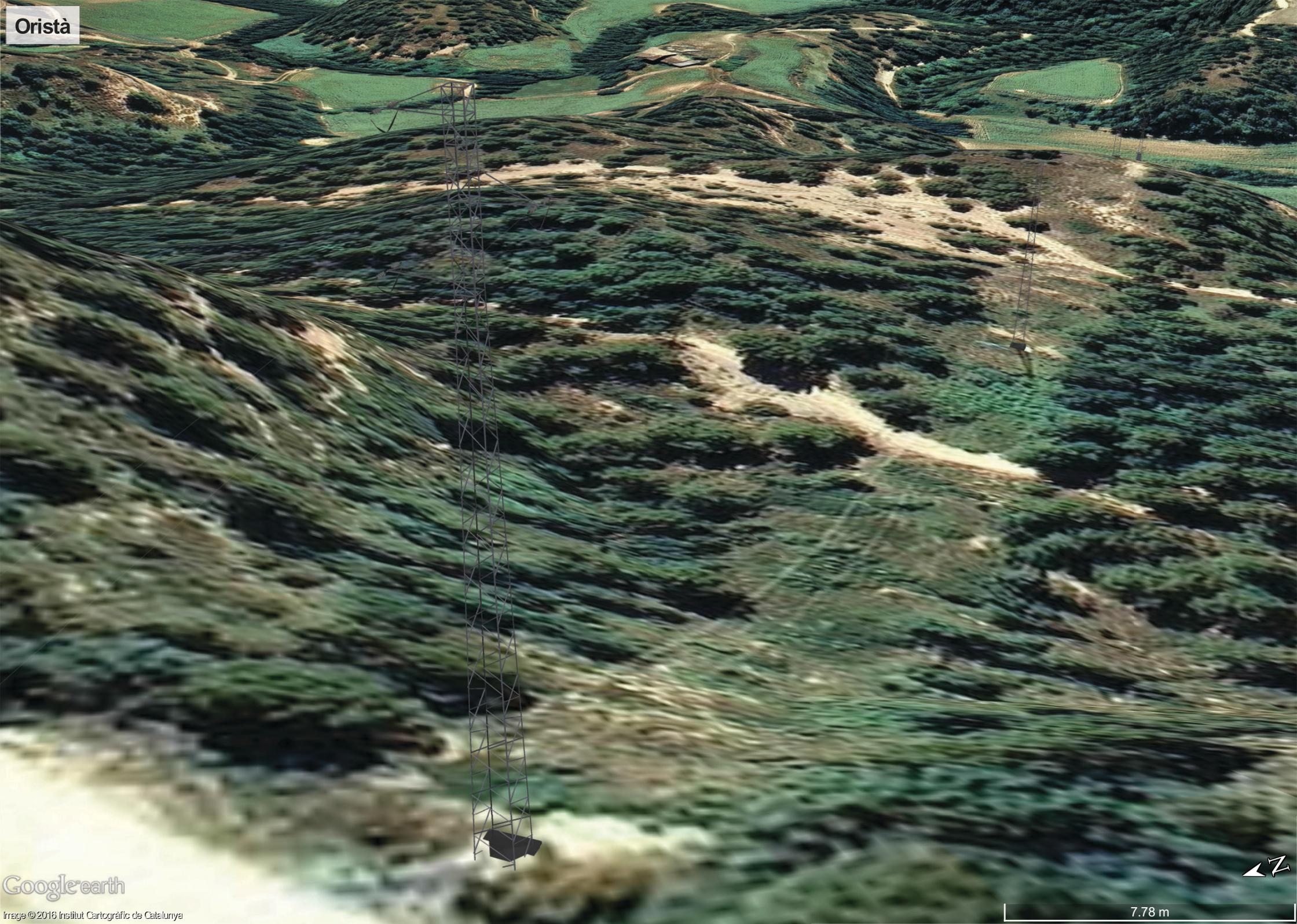
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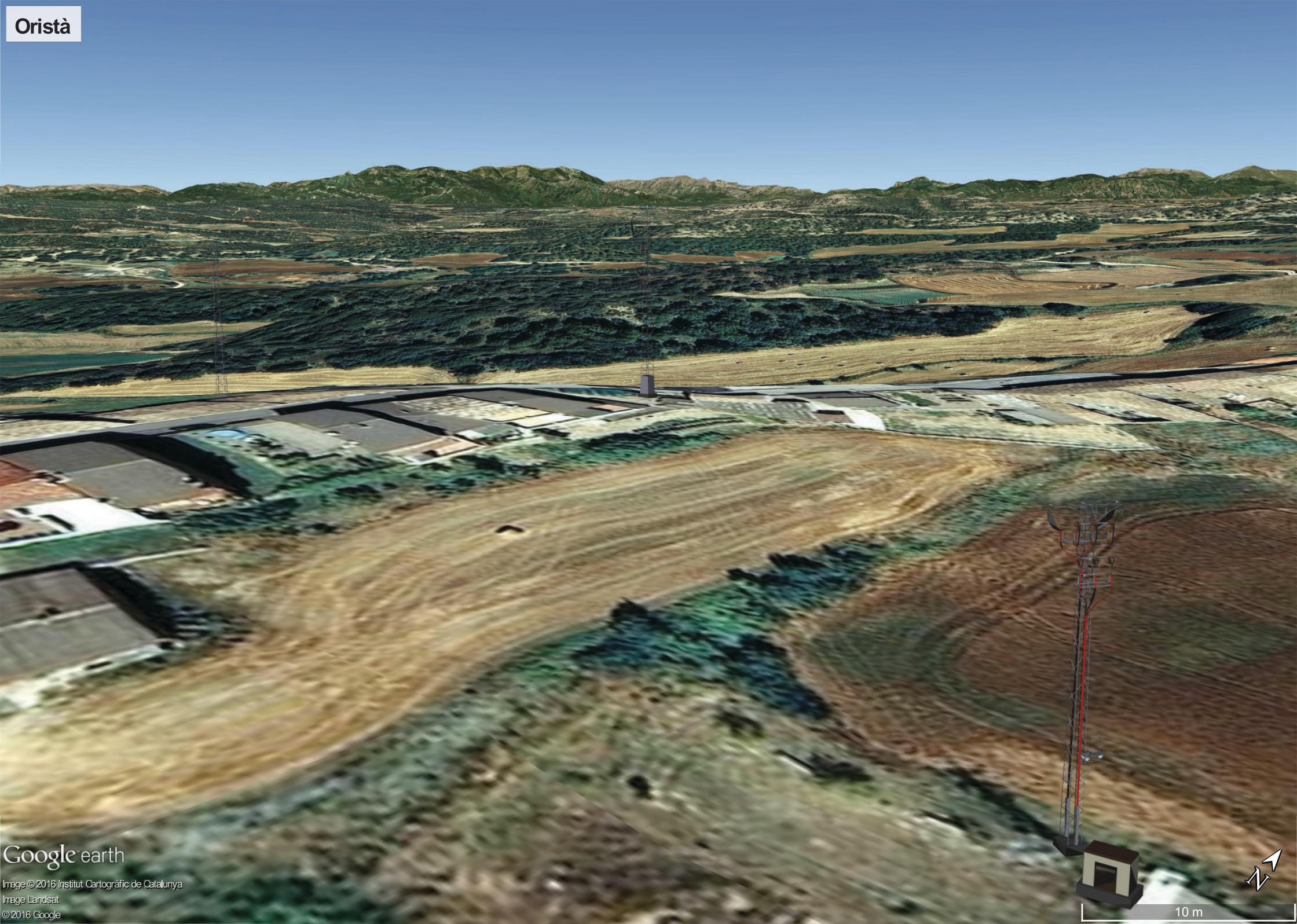
Autor: Jordi Paraire Bruch

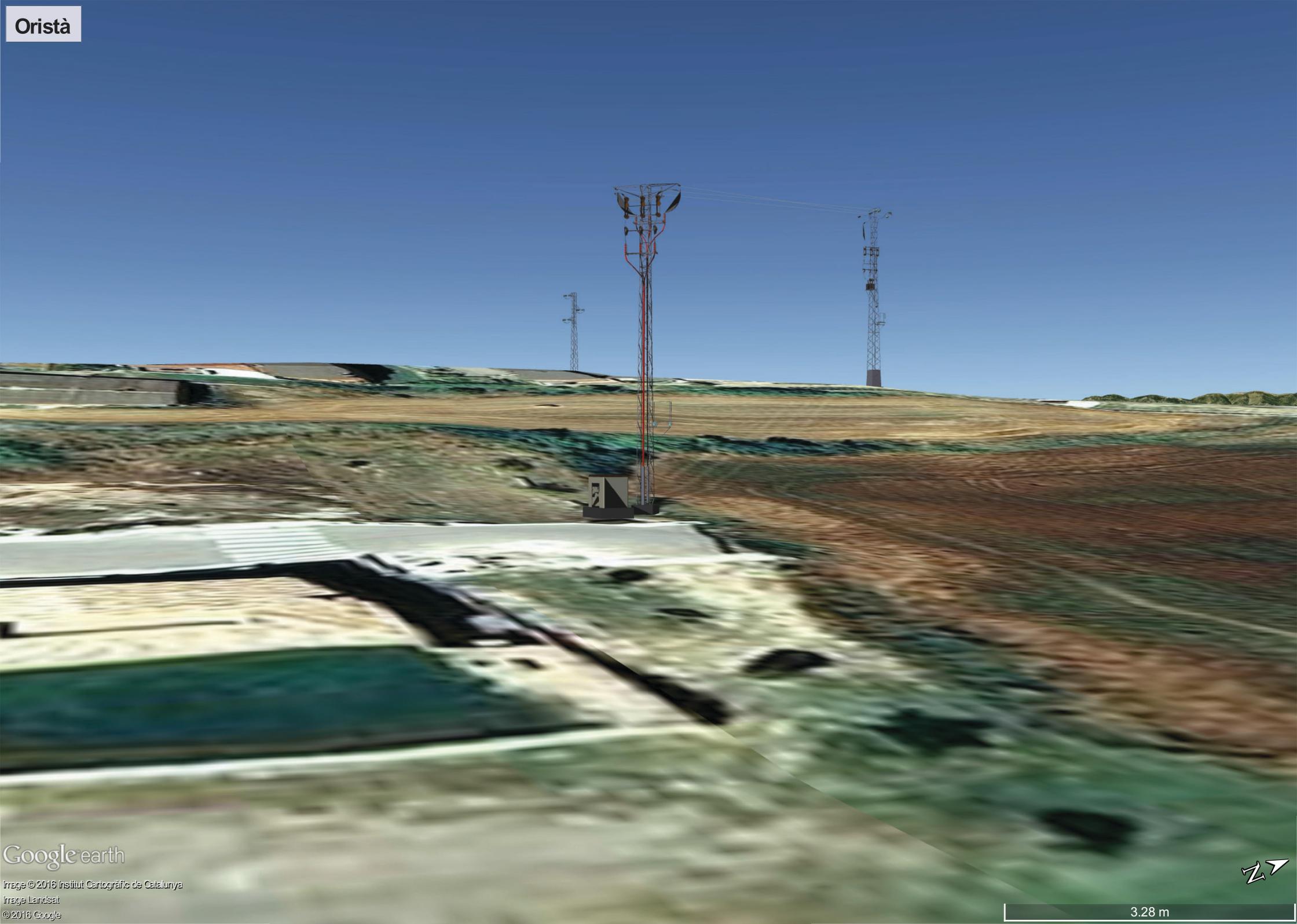
Tutor: Joan Bergas Jané

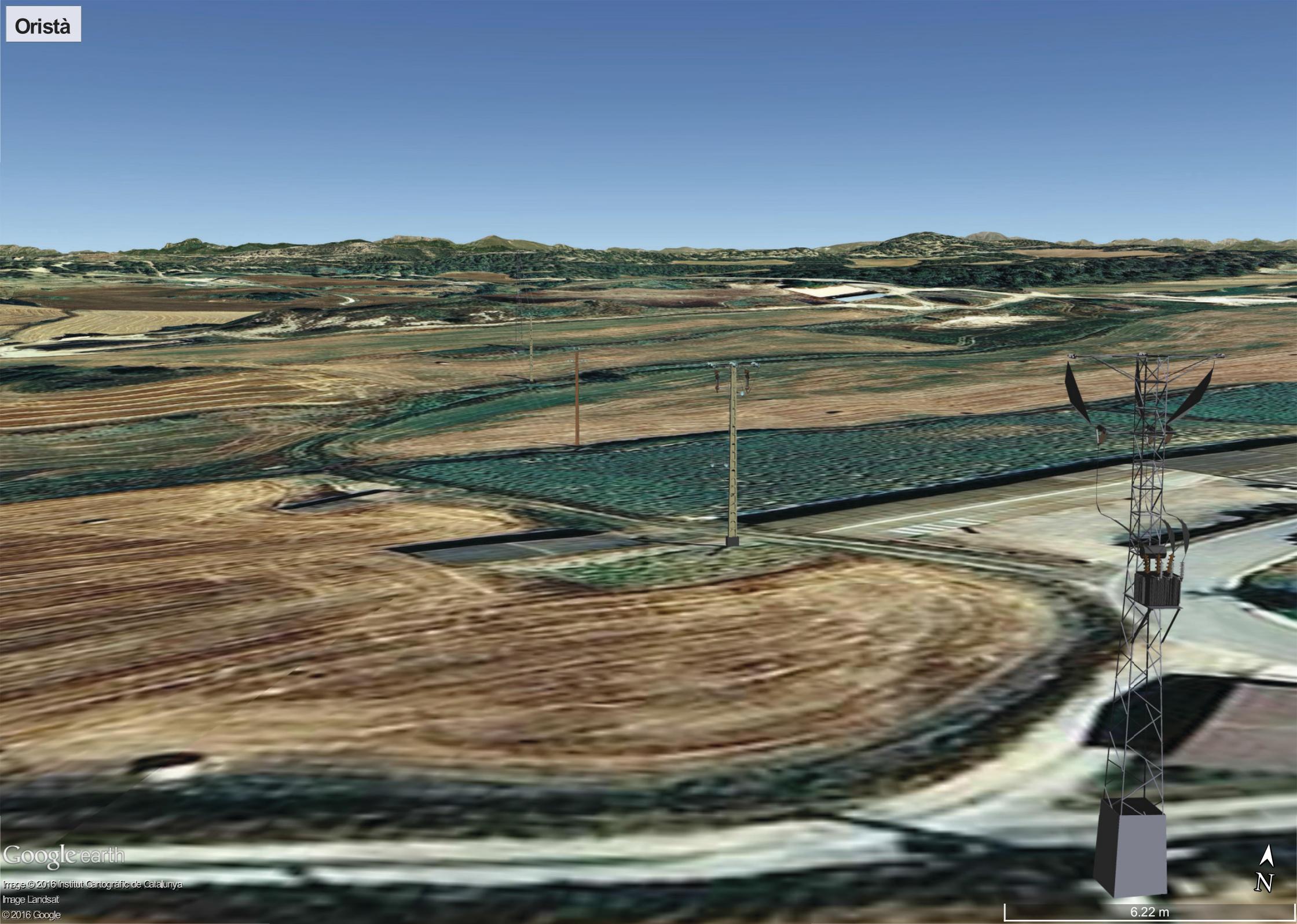
Data d'entrega: 10/06/2016



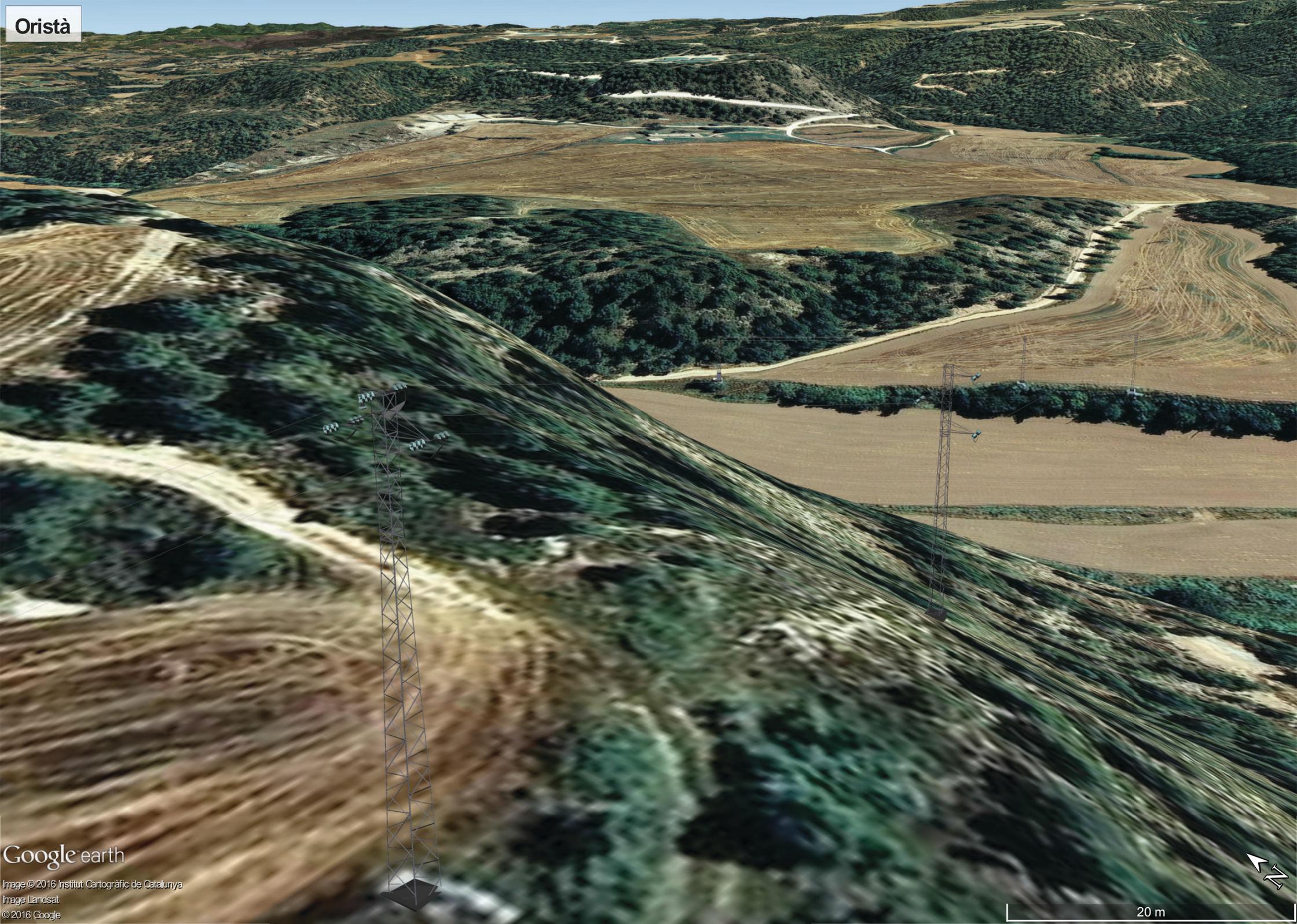




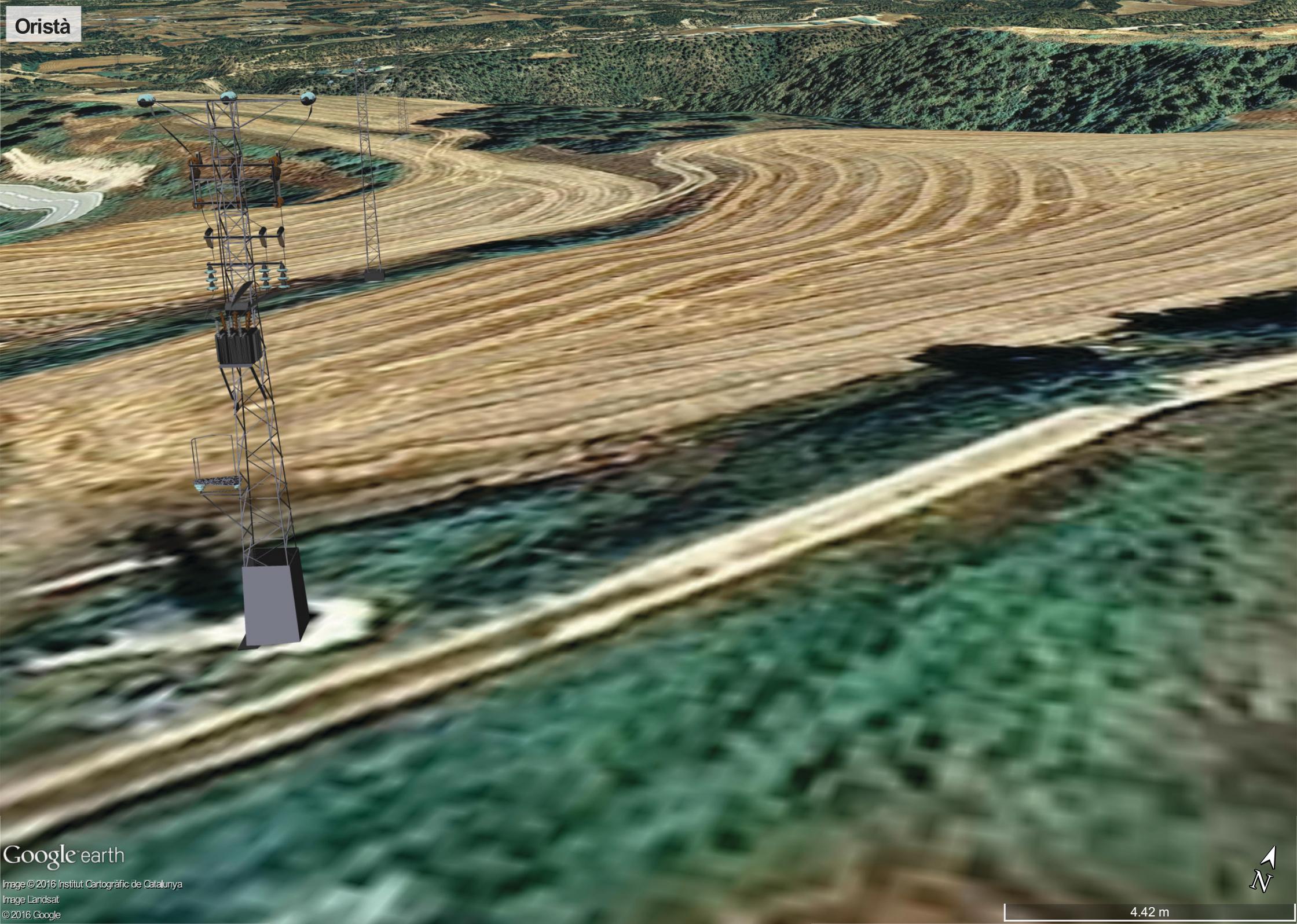




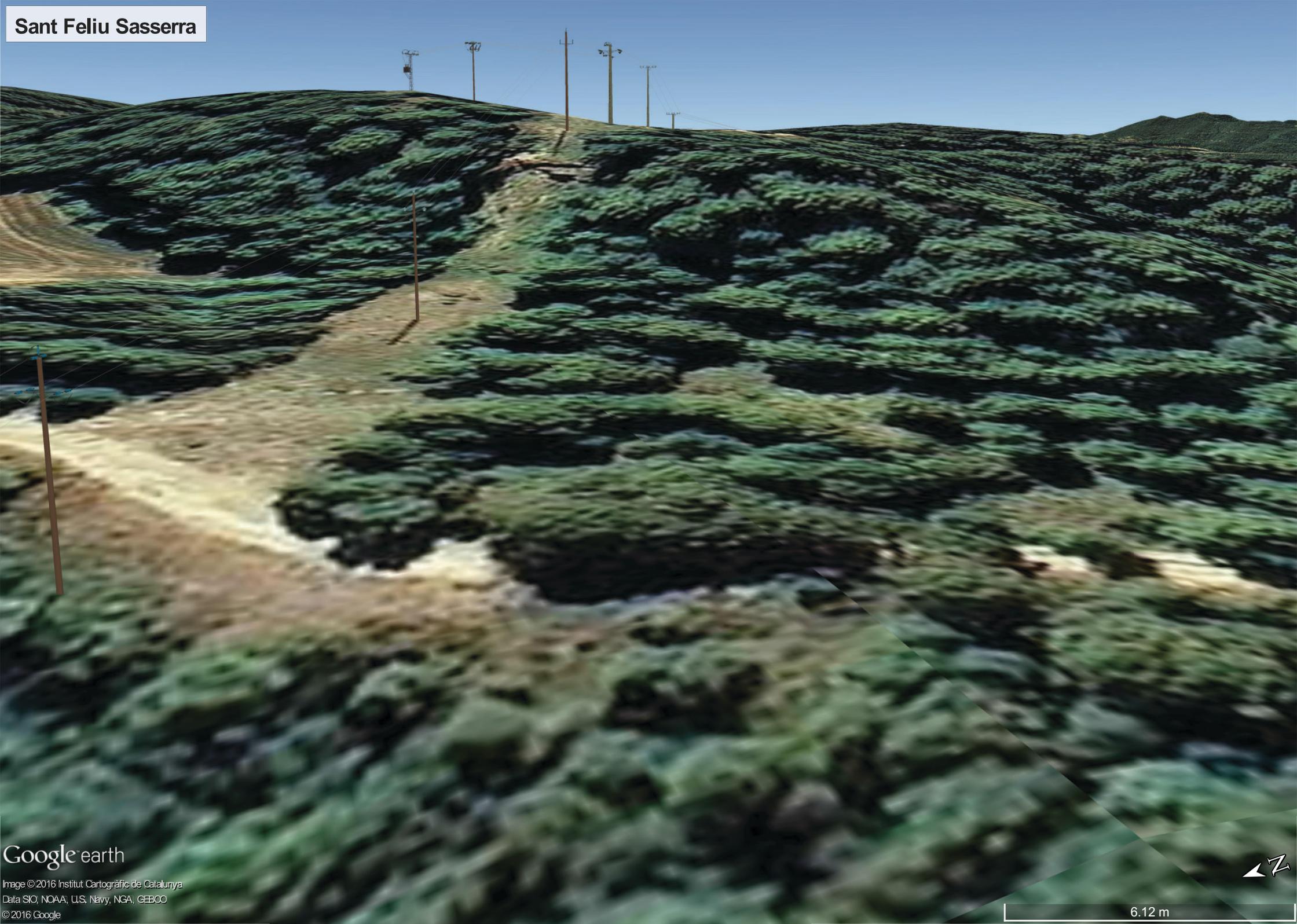








Sant Feliu Sasserra

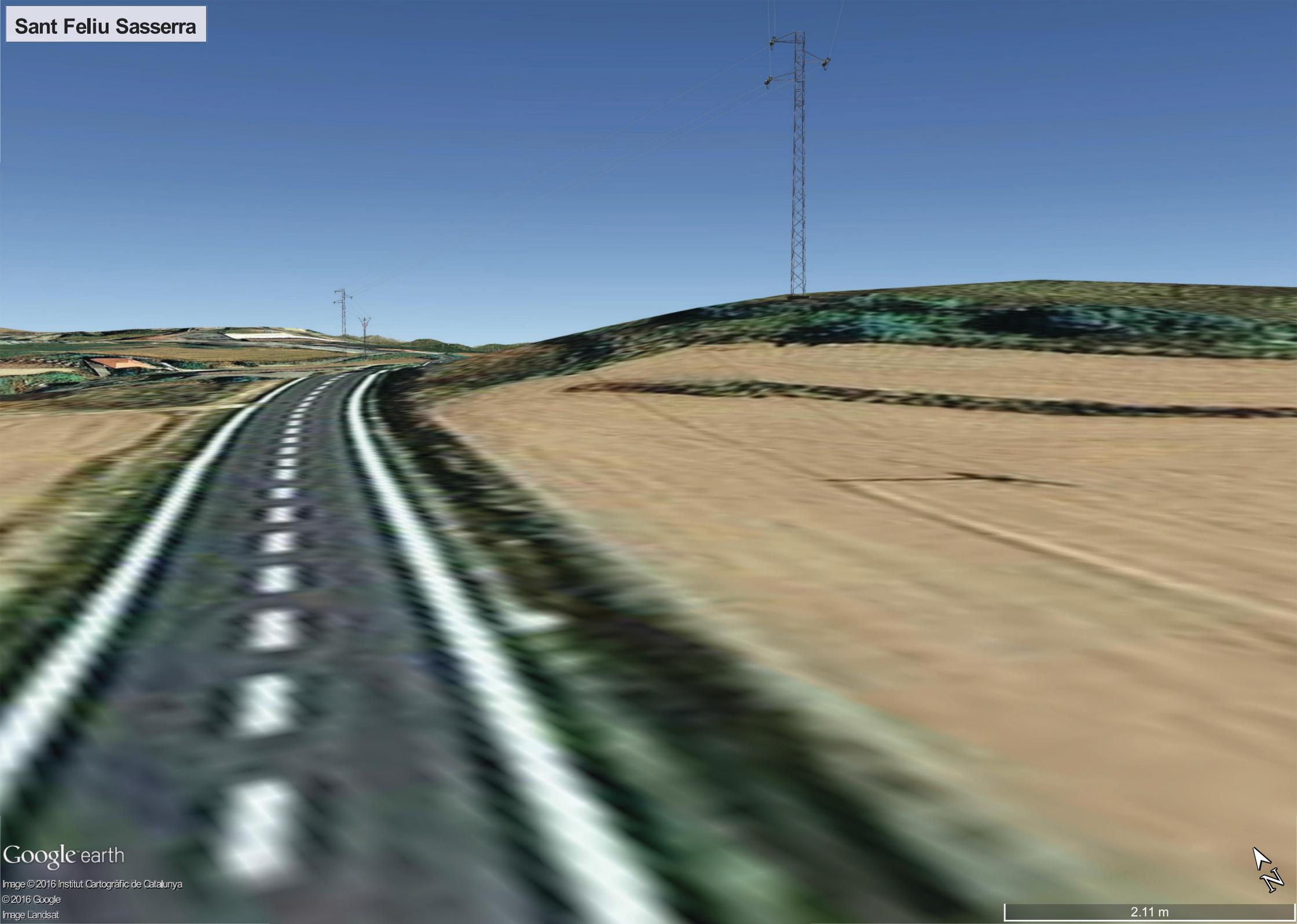


Google earth

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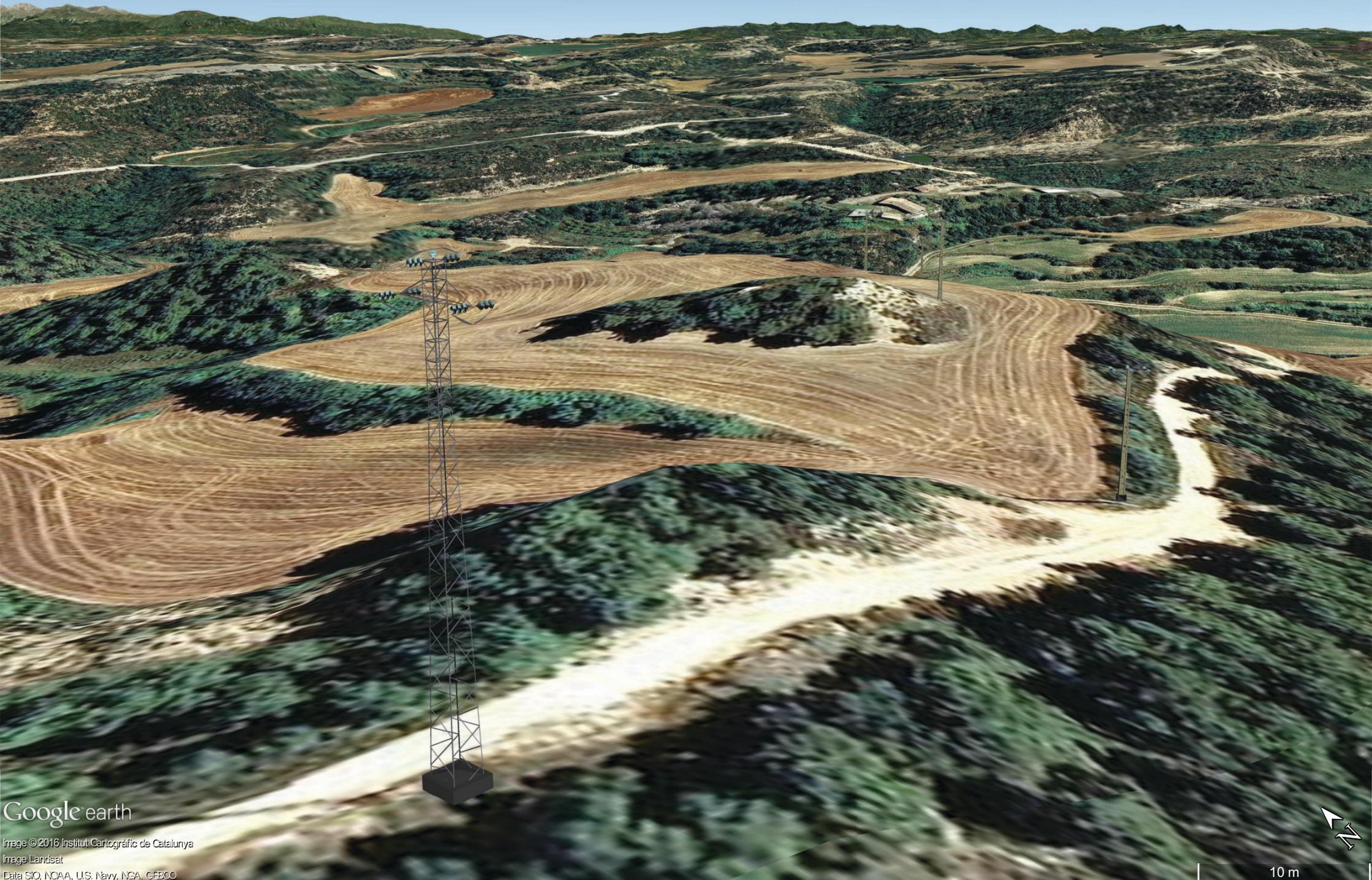
6.12 m

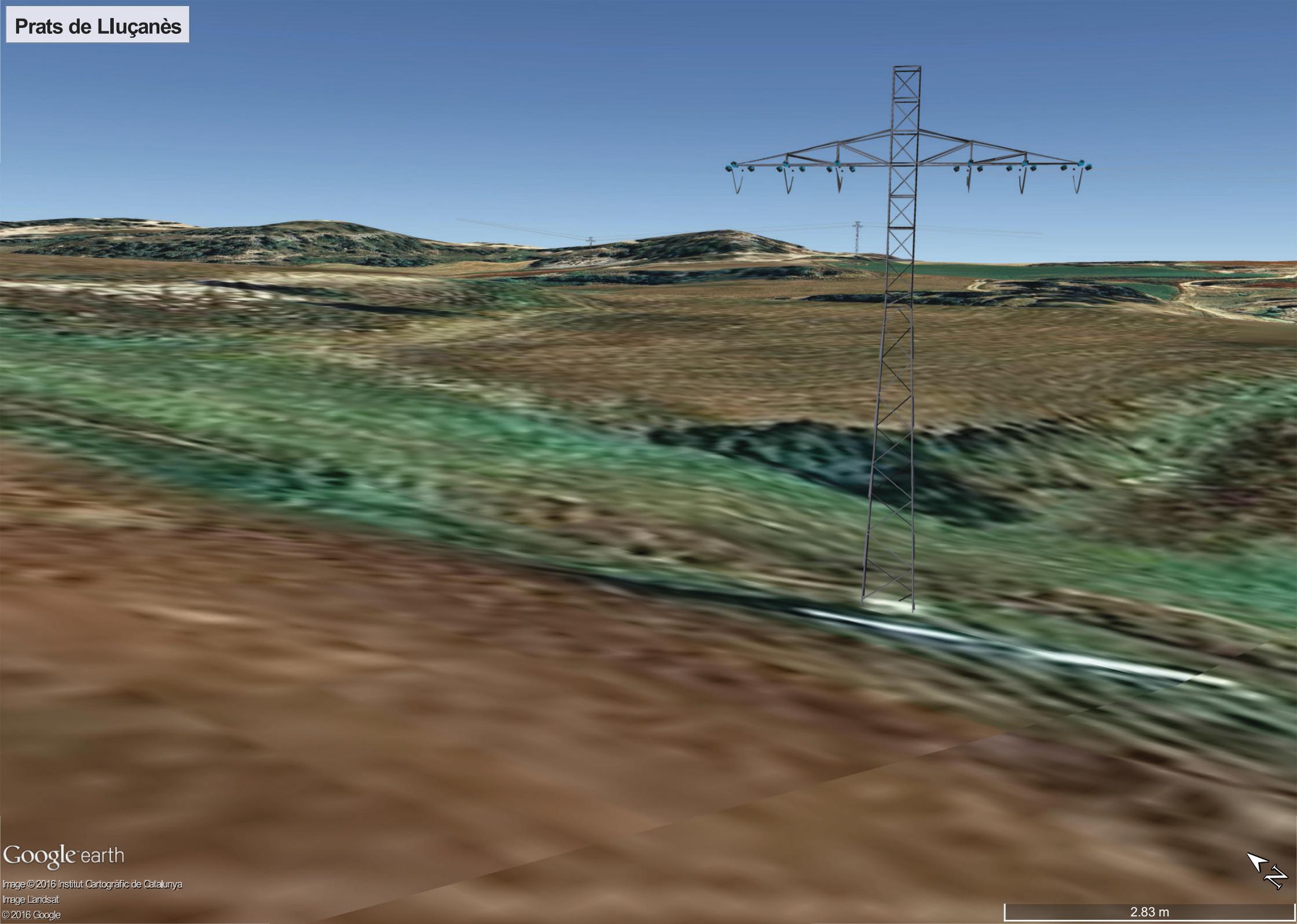


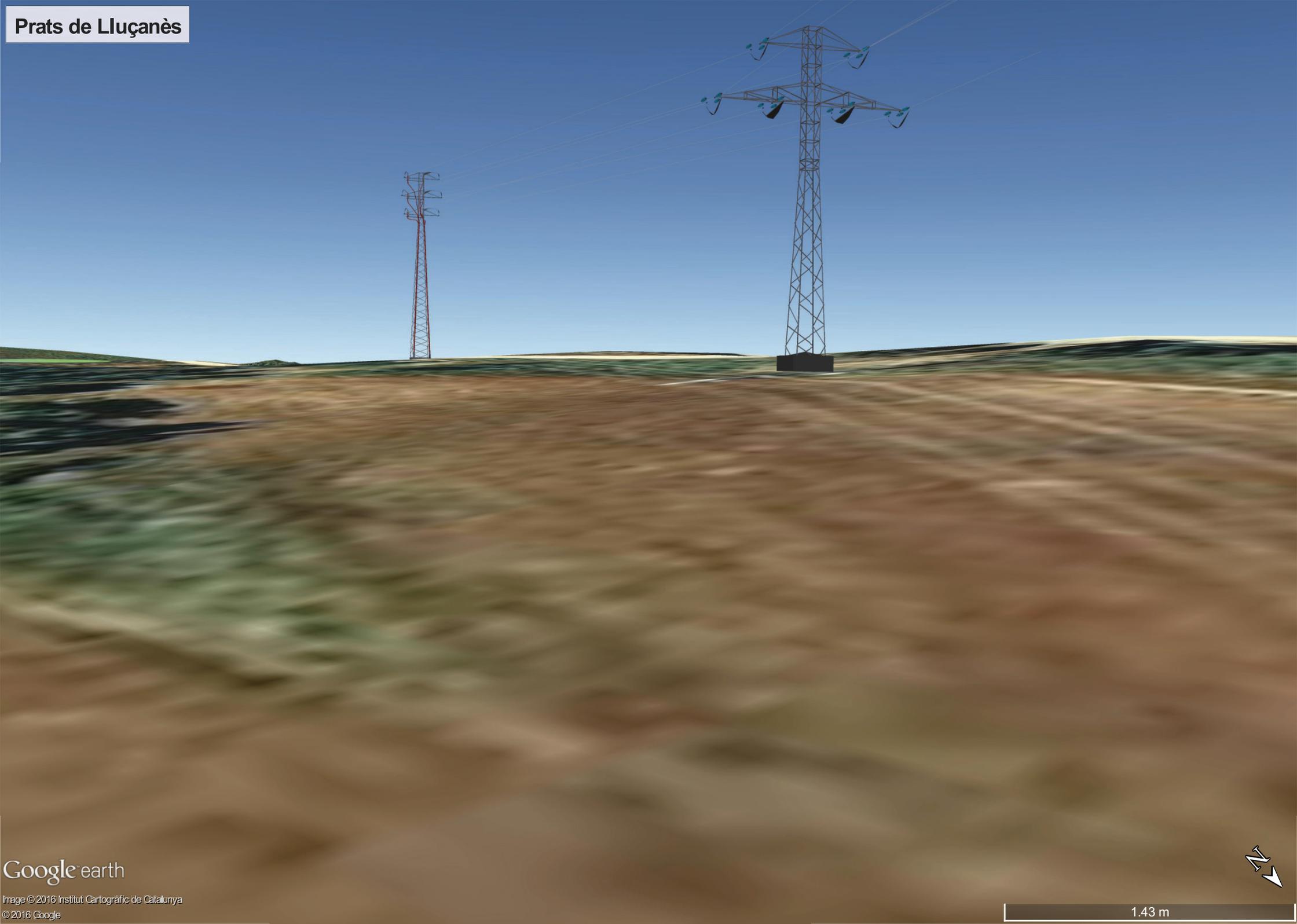




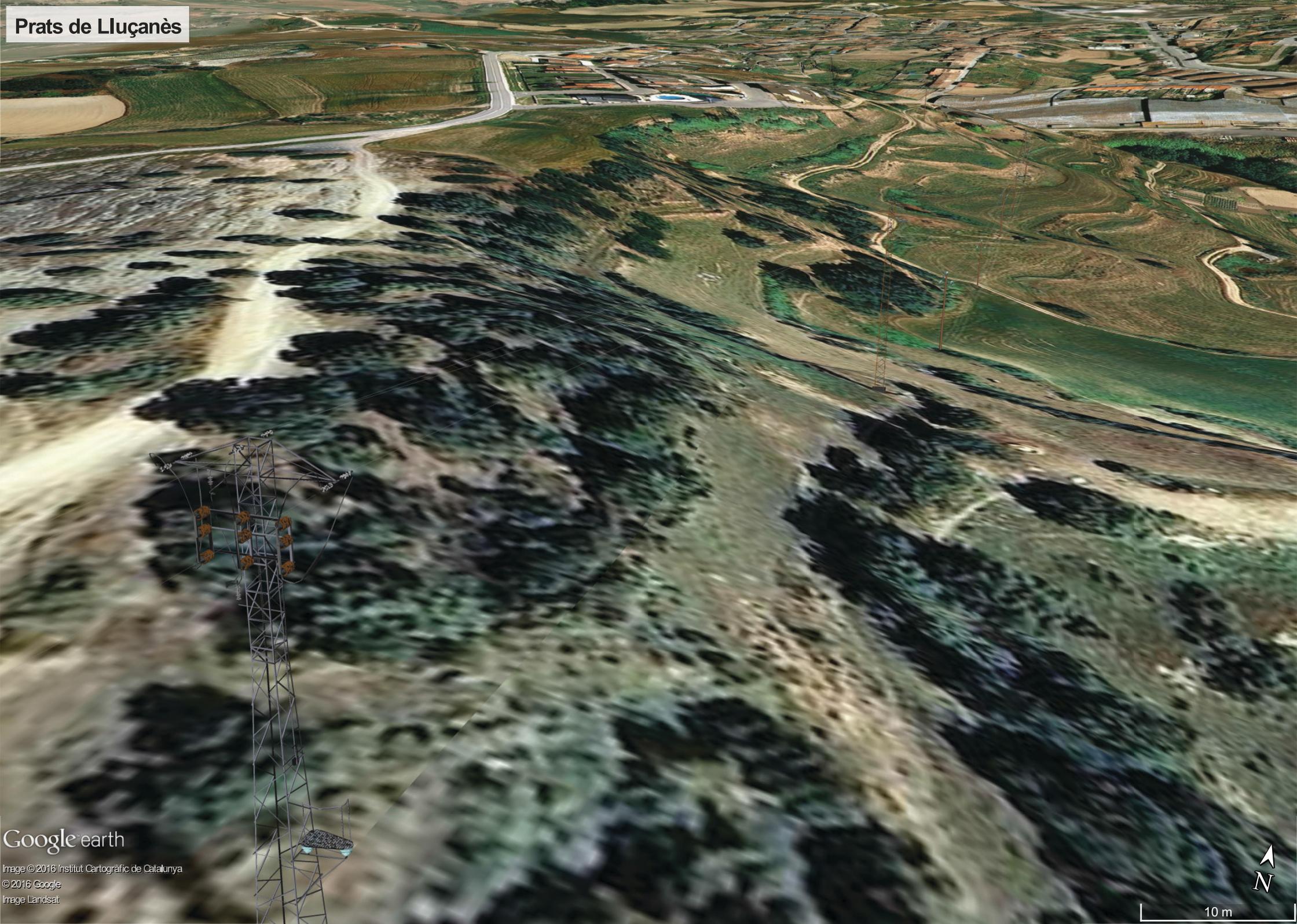








Prats de Lluçanès



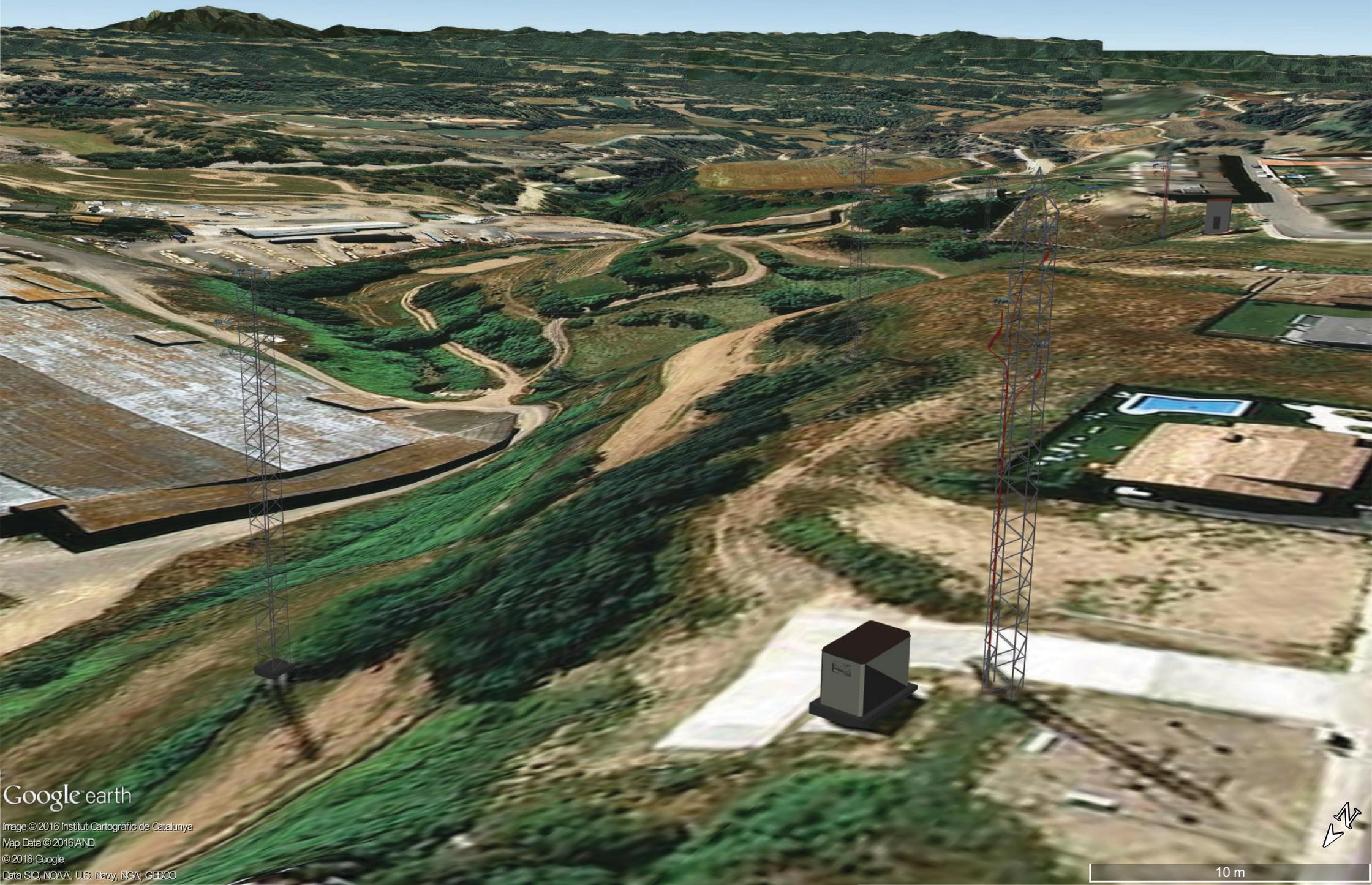
Google earth

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Image Landsat



10 m

Prats de Lluçanès



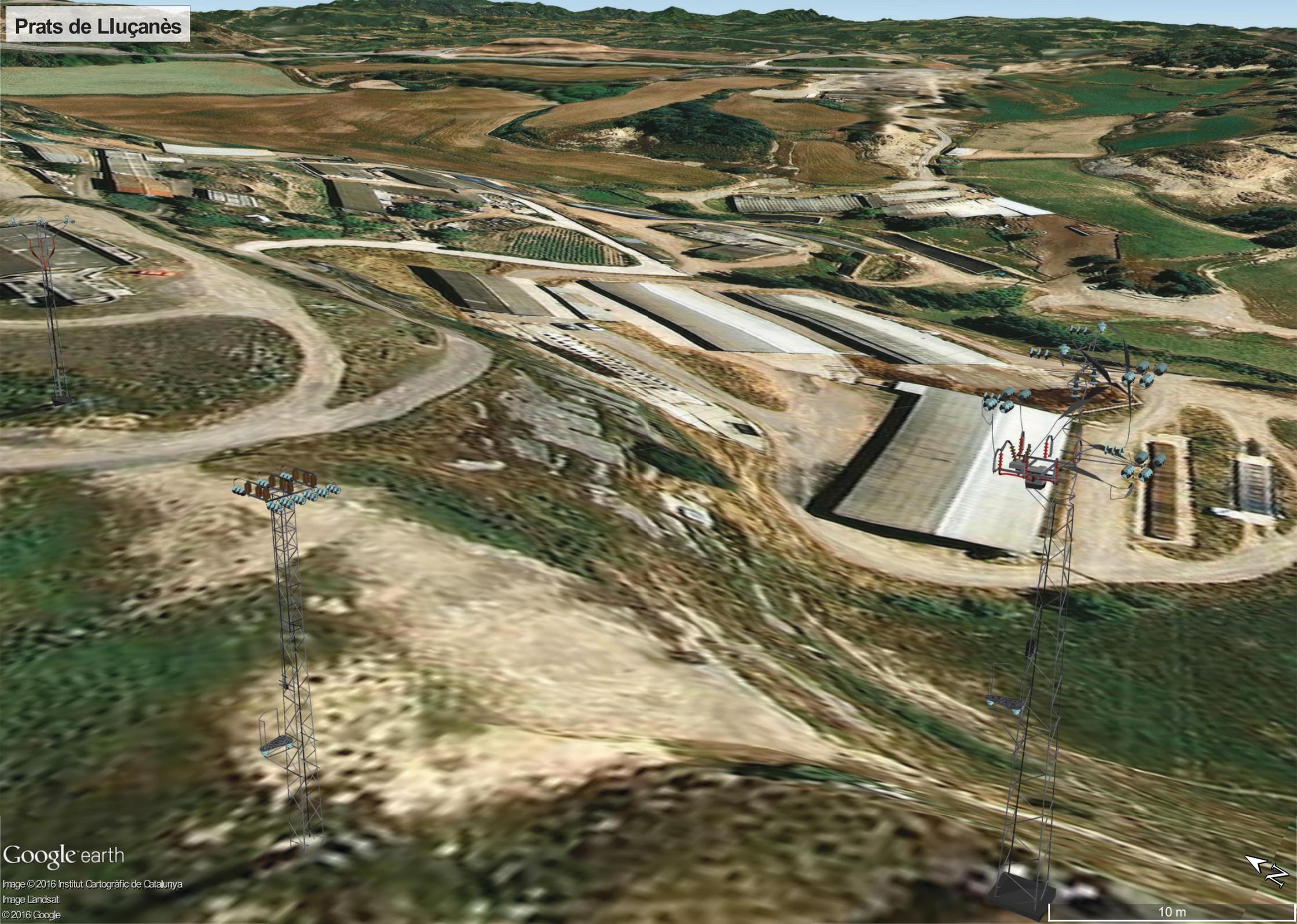
Google earth

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Map Data © 2016 AND
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Data SIO, NOAA, U.S. Navy, NGA, GEBCO

10 m



Prats de Lluçanès



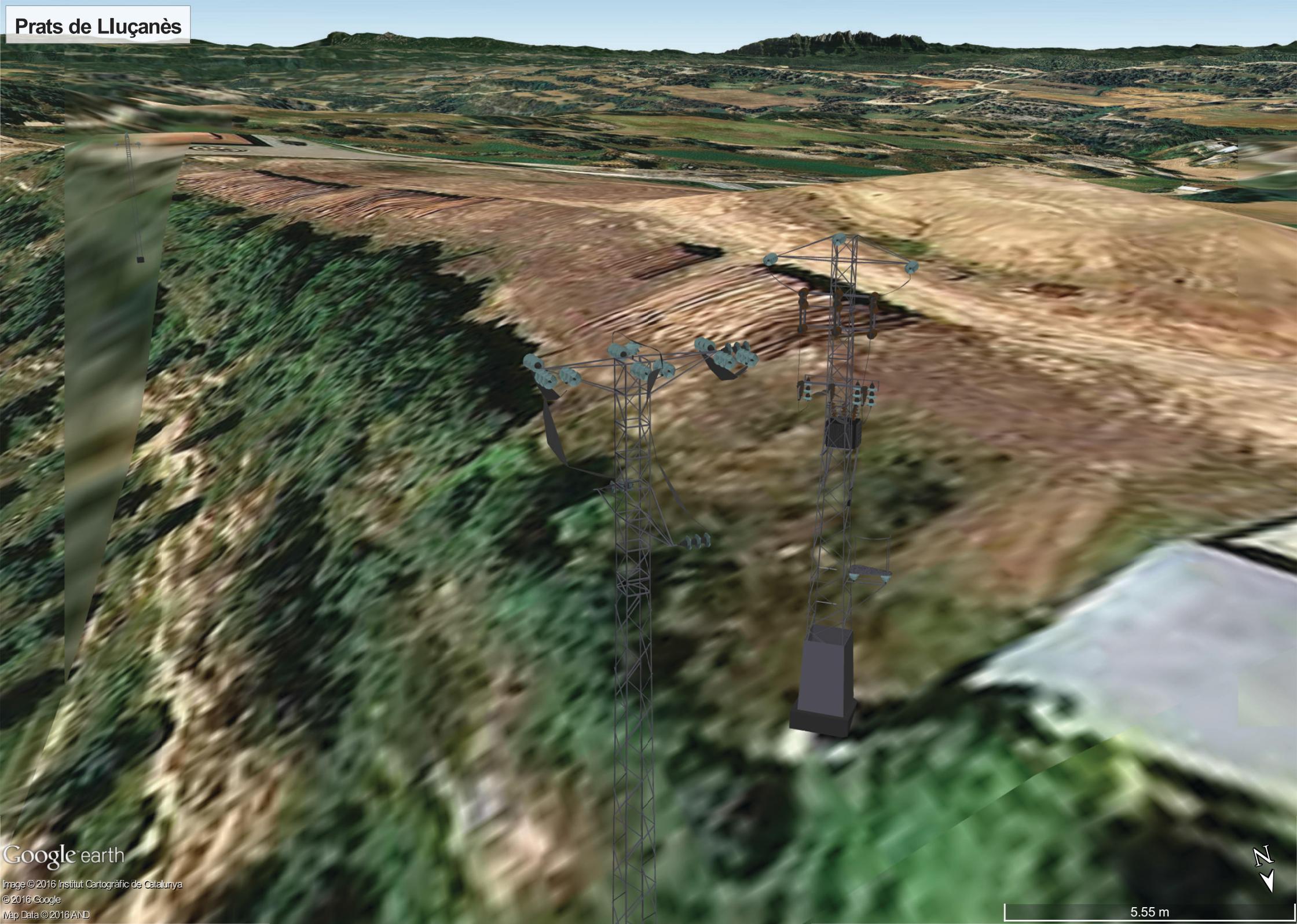
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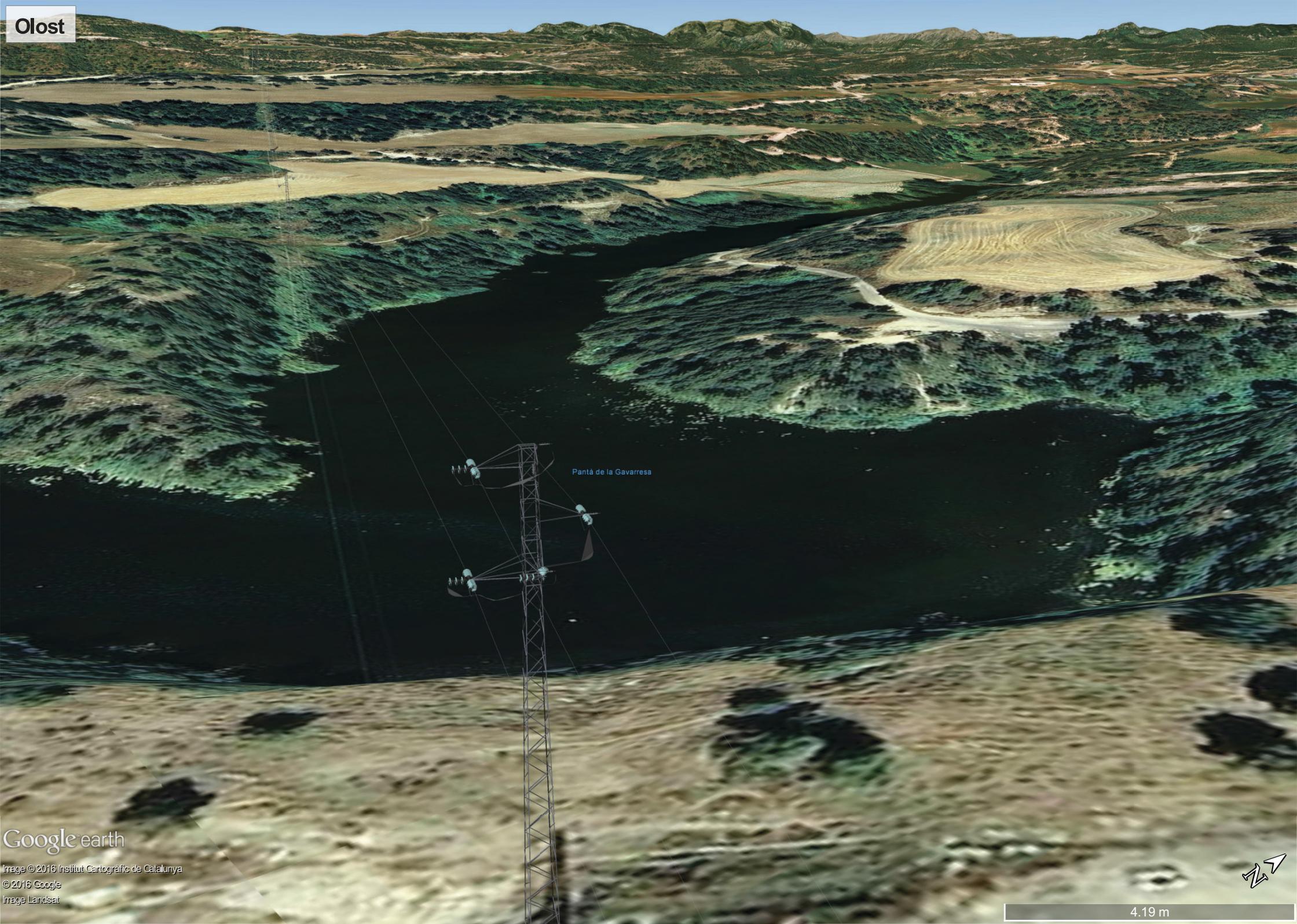
Image © 2016 Institut Cartogràfic de Catalunya
Image Landsat
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10 m



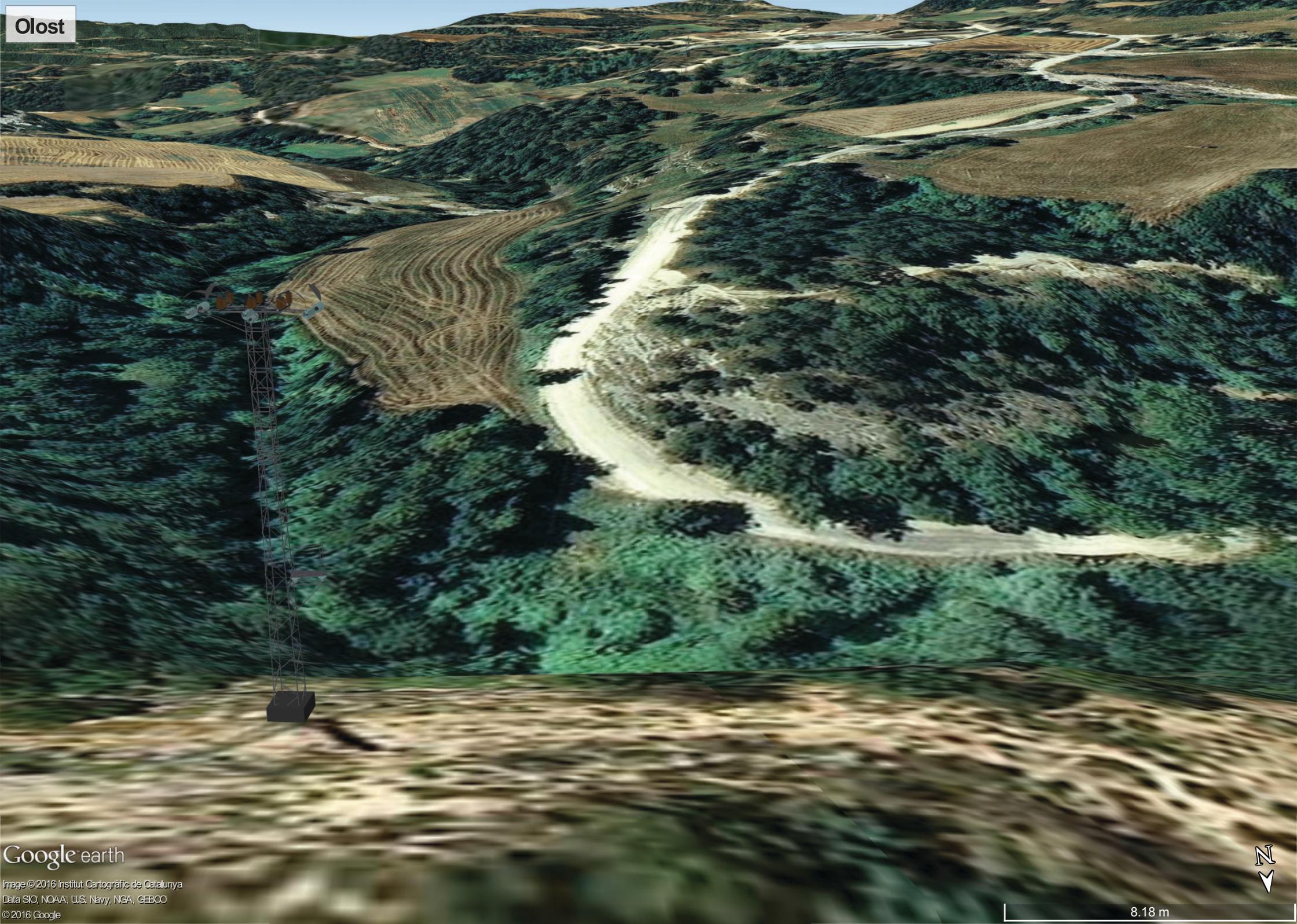






Pantà de la Gavarresa





Olost

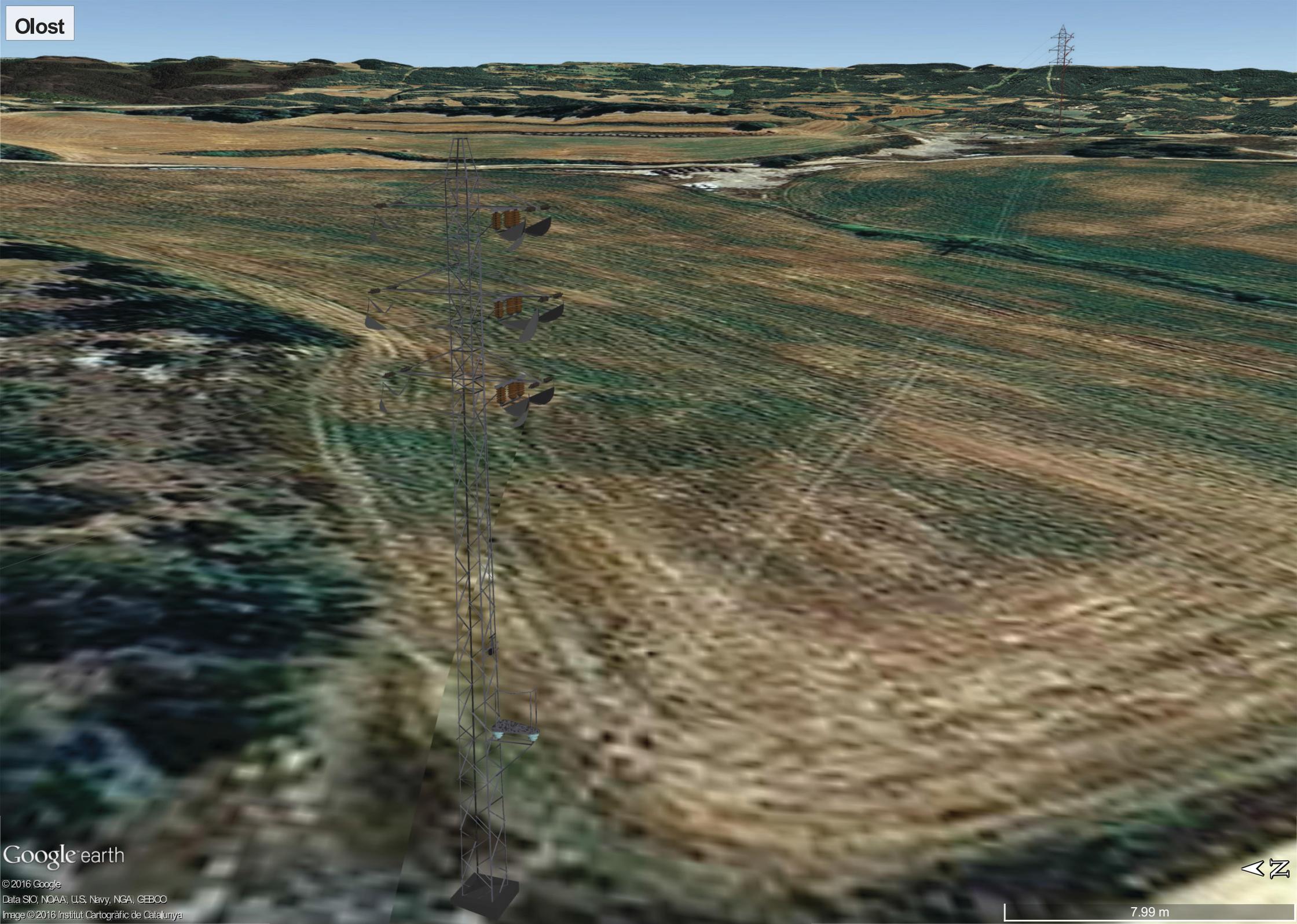
Google earth

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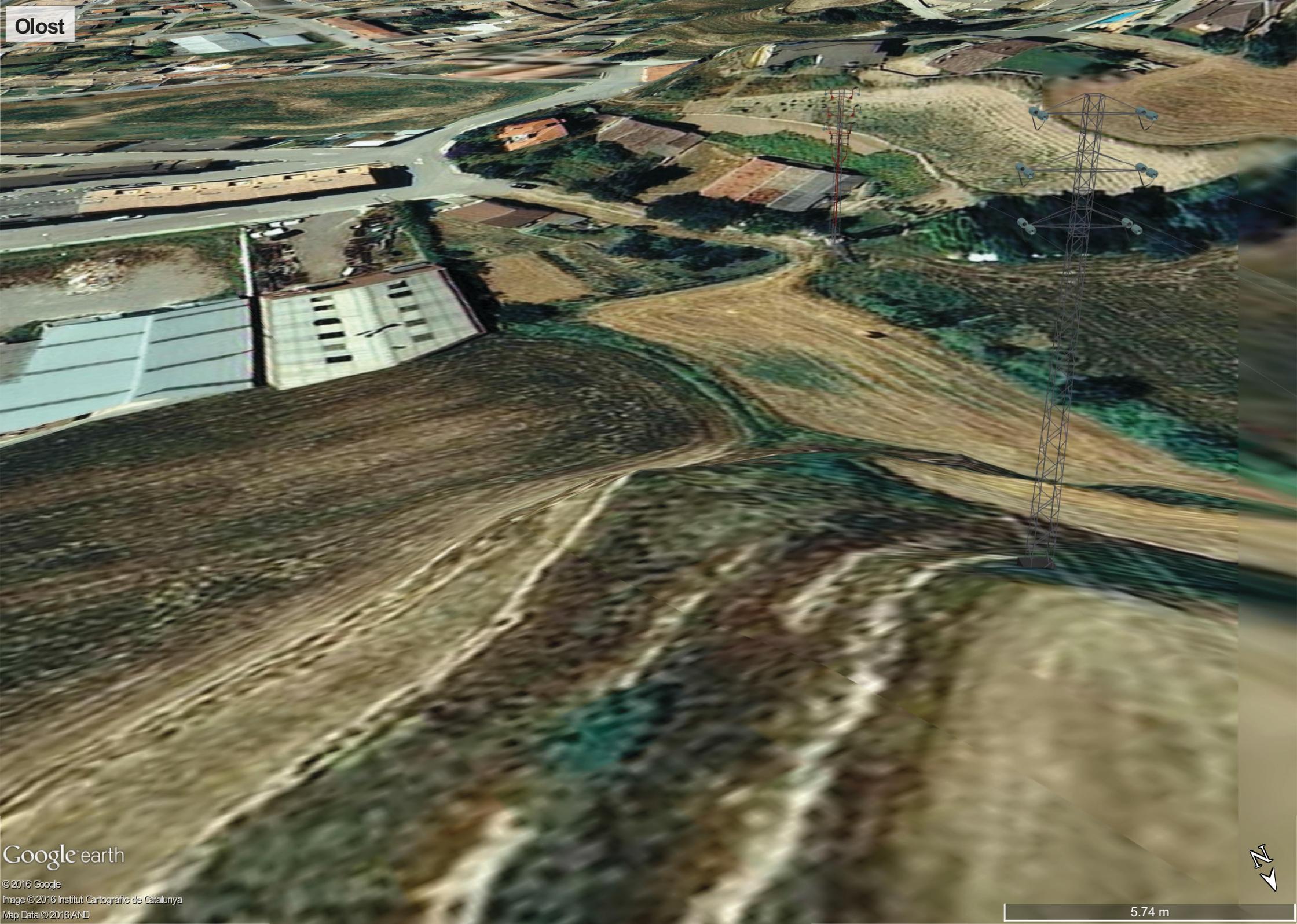
8.18 m











Olost

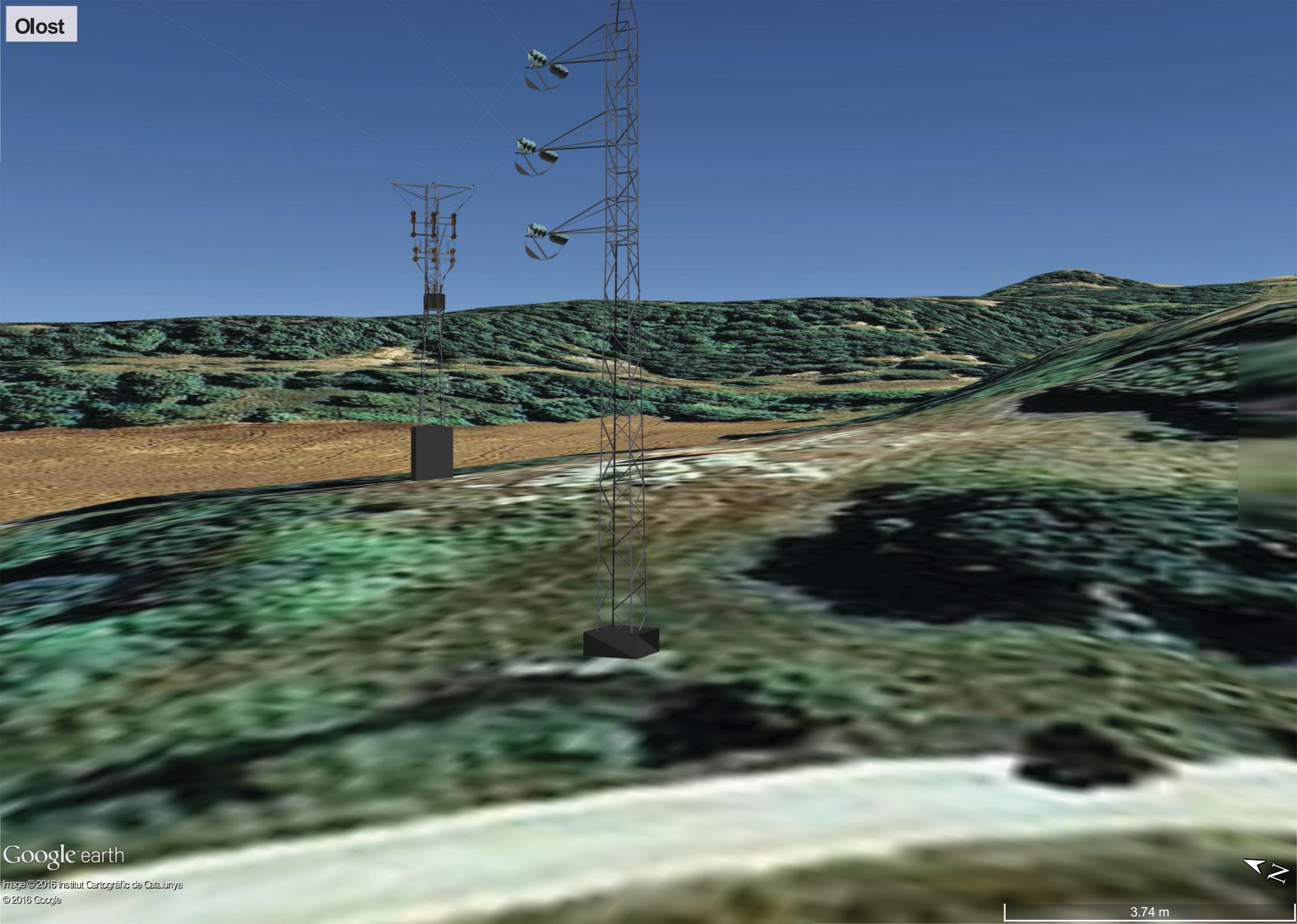
Google earth

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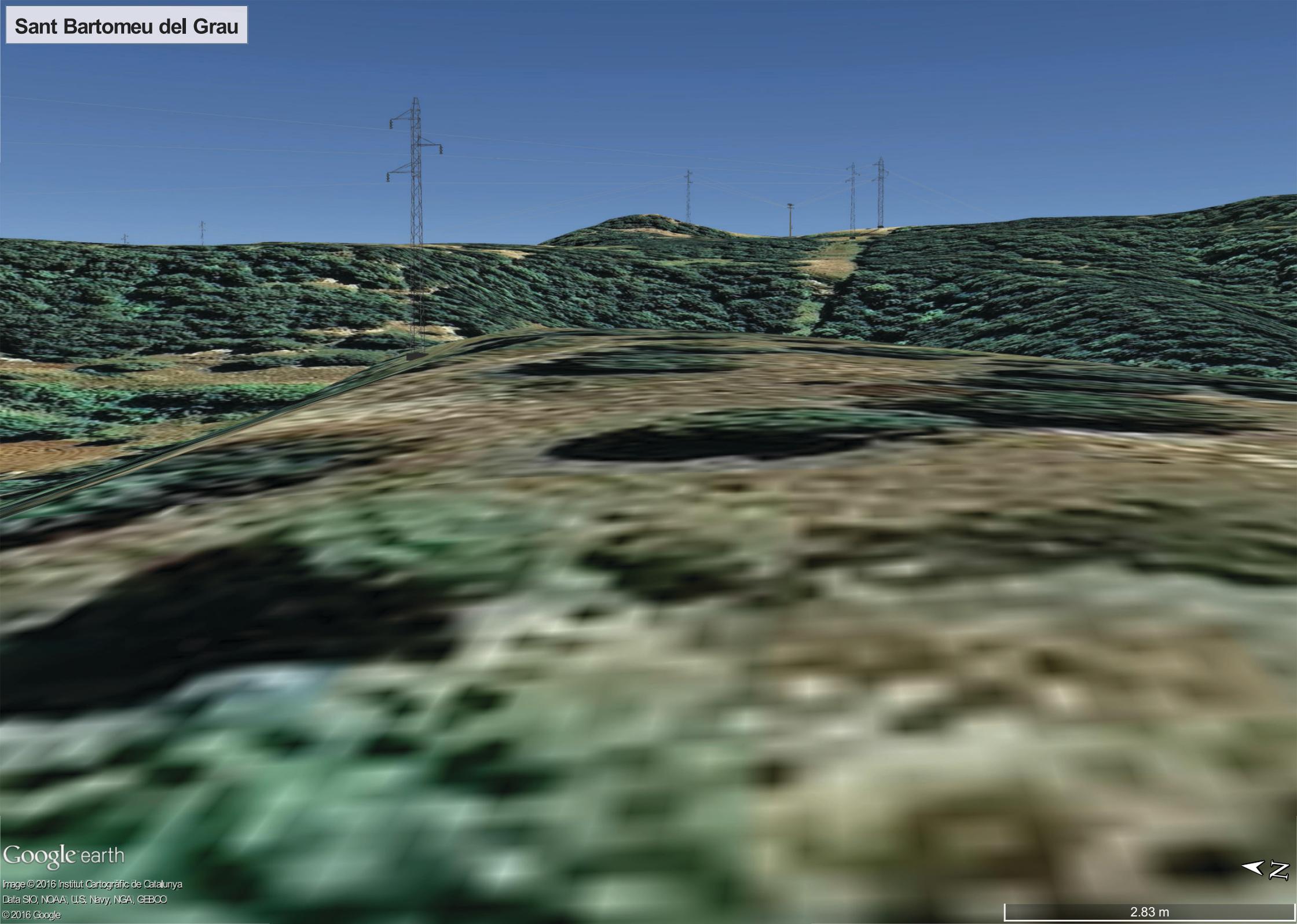
5.74 m







Sant Bartomeu del Grau



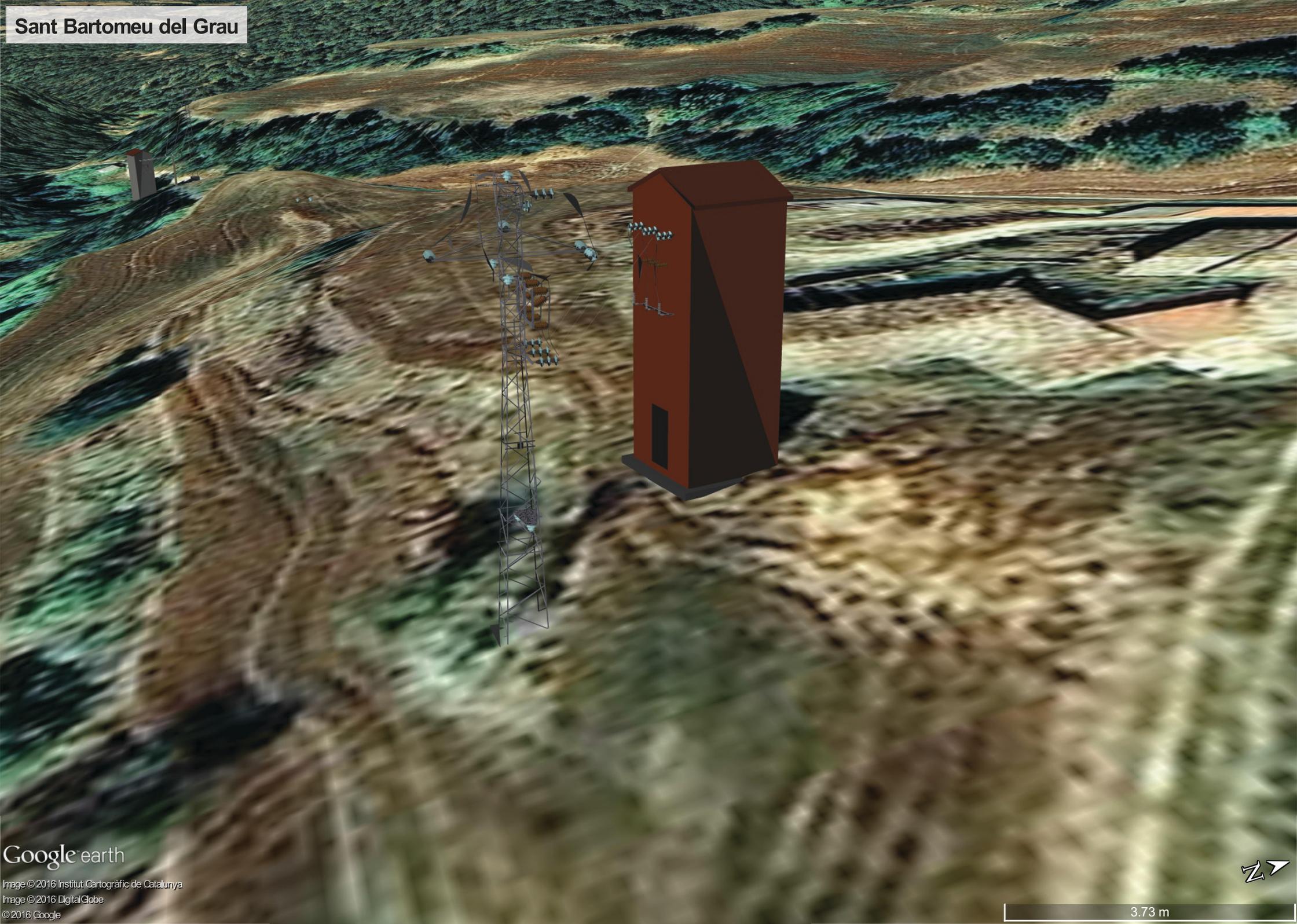
Google earth

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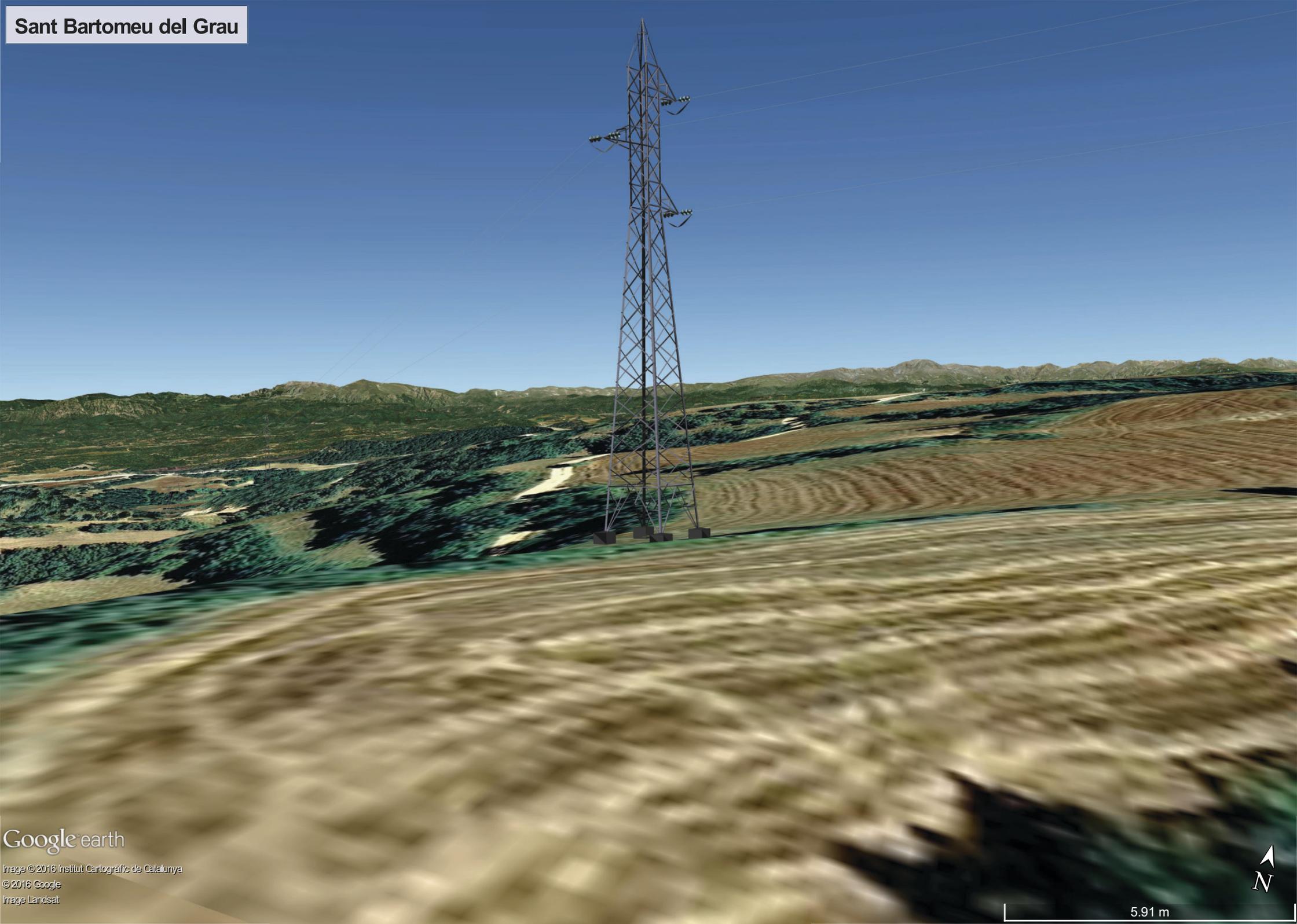


2.83 m

Sant Bartomeu del Grau



Sant Bartomeu del Grau



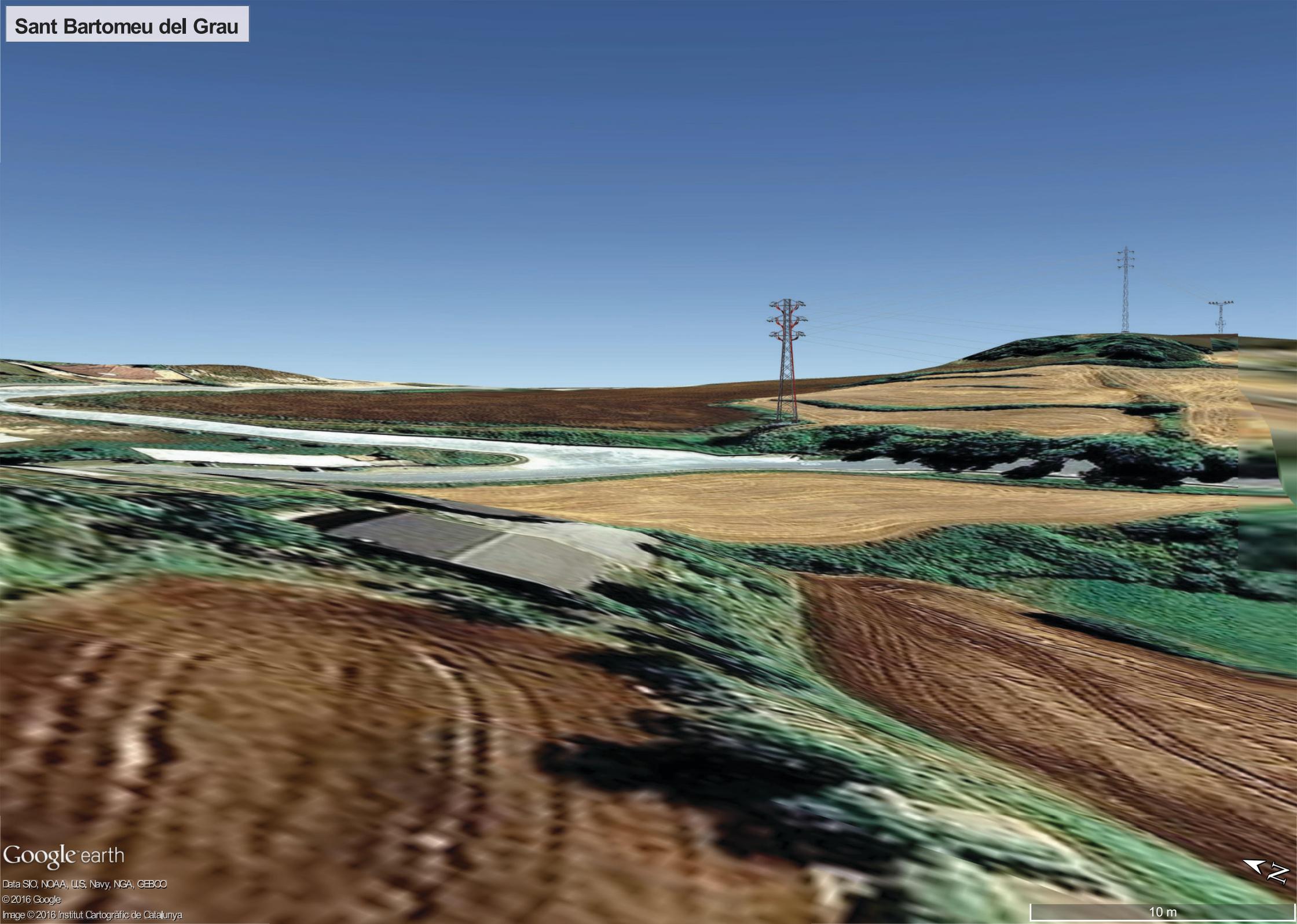
Google earth

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5.91 m

Sant Bartomeu del Grau



Google earth

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10 m

Sant Bartomeu del Grau



Google earth

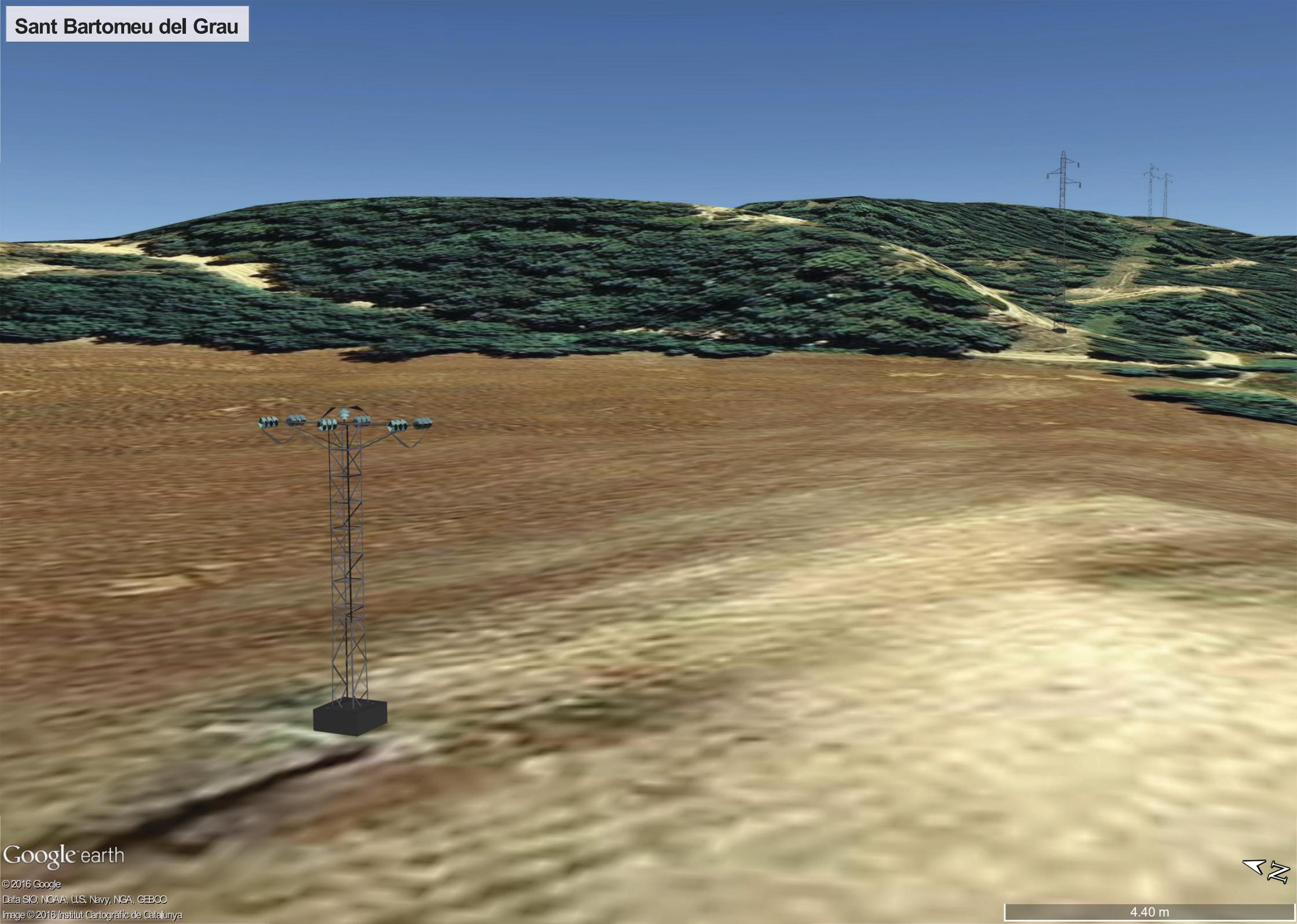
Image Landsat
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8.14 m

Sant Bartomeu del Grau





Sant Bartomeu del Grau



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8.58 m

