

# As storage ponds deplete, Spain turns toward mass desalinisation plants

Sentinel-2 MSI acquired on 10 August 2022 at 10:36:29 UTC  
Sentinel-1 CSAR IW acquired on 19 August 2022 at 18:02:28 UTC

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Sentinel-1 CSAR IW acquired on 20 September 2022 at 05:53:31 UTC  
Sentinel-2 MSI acquired on 04 February 2023 at 10:52:41 UTC

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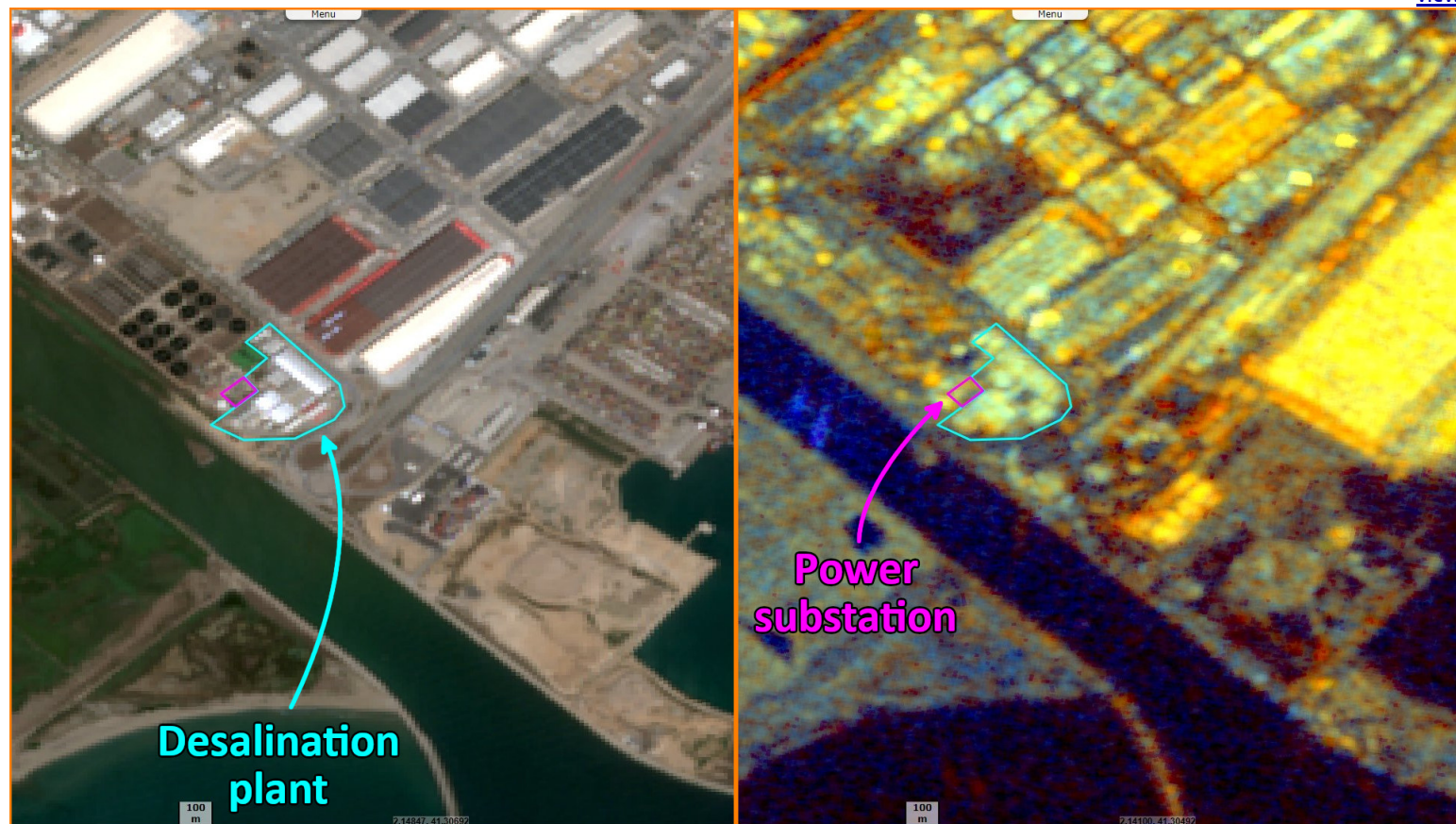
Keyword(s): Climate change, coastal, natural resources, drought, food security, irrigation, agriculture, Spain

Fig. 1 - S1 [09.08.2022->20.09.2022] - To irrigate its crops, Spain has long relied on its many storage ponds which are depleting after successive dry years.





Fig. 2 - S2 (10.08.2022) - Barcelona relies on its large desalination plant, with a 200 000 m<sup>3</sup>/day capacity, for its drinking water during the summer. [2D view](#)



For lack of rain, Spain is increasingly relying on sea water, the country has more than 700 desalination plants.

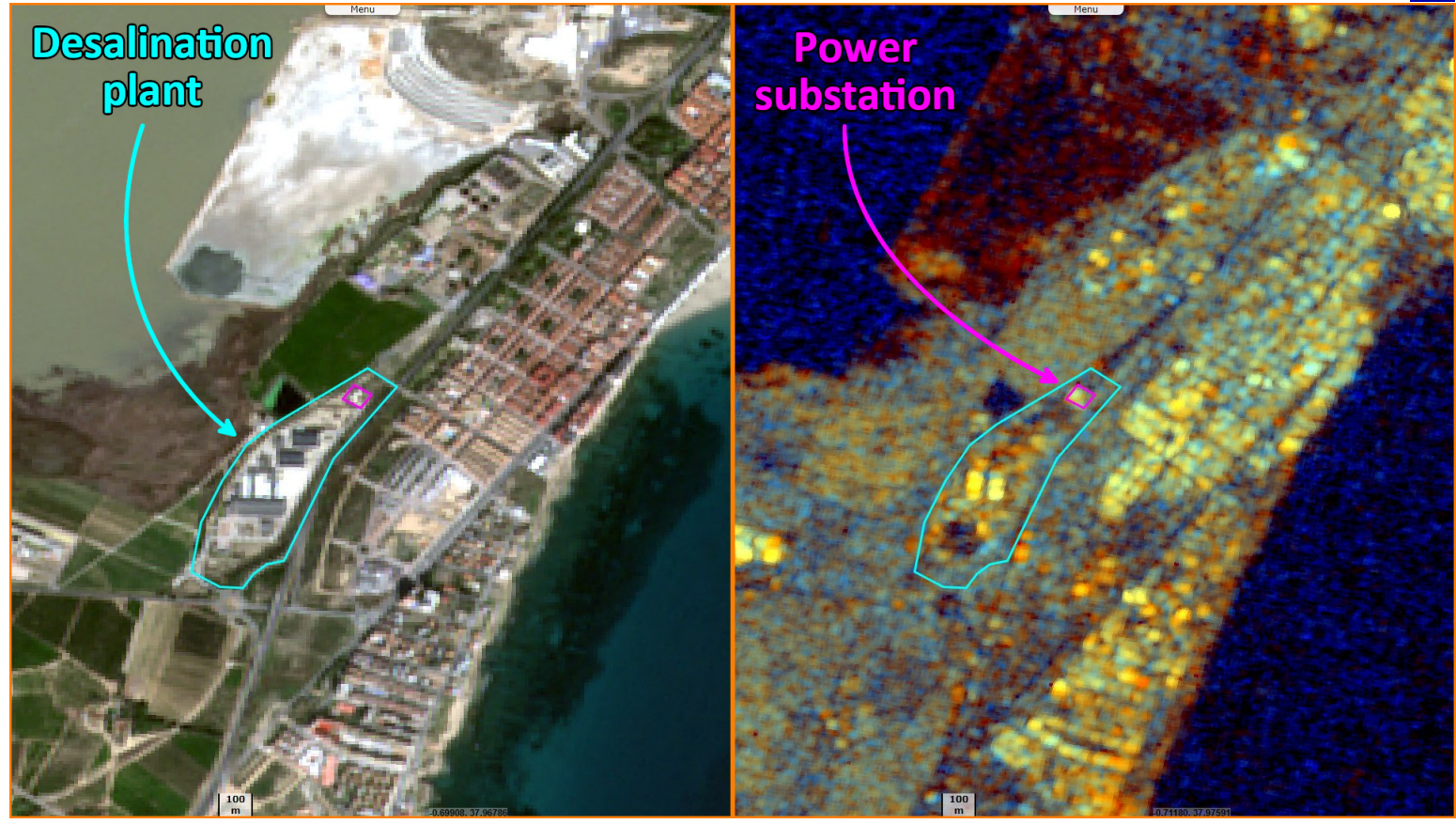
Fig. 3 - S2 (04.02.2023) - The most powerful desalination plant in Torrevieja has a capacity of 240 000 m<sup>3</sup>/day, requiring a power input of 50 MW to do so.

[2D view](#)

















Fig. 4 - S2 (04.02.2023) / S1 (20.08.2022->13.09.2022) - These plants deliver a scalable output of drinking water but emit a brine.output. [2D view](#) [2D view](#)



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