

# Demystifying Super Resolution in EO: Hype or Hope?

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ESA ESRIN

26/05/2022

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The progress in Computer Vision, mainly driven by Deep Learning (DL) approaches, has greatly accelerated lately, and with it the ability Super Resolution (SR) algorithms. There is however **little consensus** regarding the **real value of SR algorithms in the Earth Observation domain**. When ingesting **scientifically calibrated Sentinel-2** measurements into a **Deep Learning “black box”**, can we expect **trustworthy Super Resolution** products that maintain the same level of data quality?

This agora aims to demystify the use and interest of Deep Learning techniques for Sentinel-2 Super Resolution: Is this all **just another hype** or is there really some **hope** to advance EO technologies and applications?

## Panellists:

- Yosef Akhtman (Altyn, CH)
- Freddie Kalaitzis (Univ. Oxford, UK)
- Michal Kawulok (Kplabs, PL)
- Julien Michel (CNES/CESBIO, FR)