

DataSys2024 & ComputationWorld 2024: Future Computing

Keynote Speech & Discussion

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Future Computing
2024


14-18 April 2024
Venice, Italy

The image features a server room background with a large orange semi-transparent overlay. The overlay contains the text 'Many thanks to Petre & Fellow Contributors'. To the right of the text is a smaller, semi-transparent inset image showing a perspective view of a server aisle with perforated metal doors and blue lighting. The overall aesthetic is technical and digital.

Many thanks to Petre & Fellow Contributors




Simile, Metaphor, and Allegory...



Introduction







Let's Start...

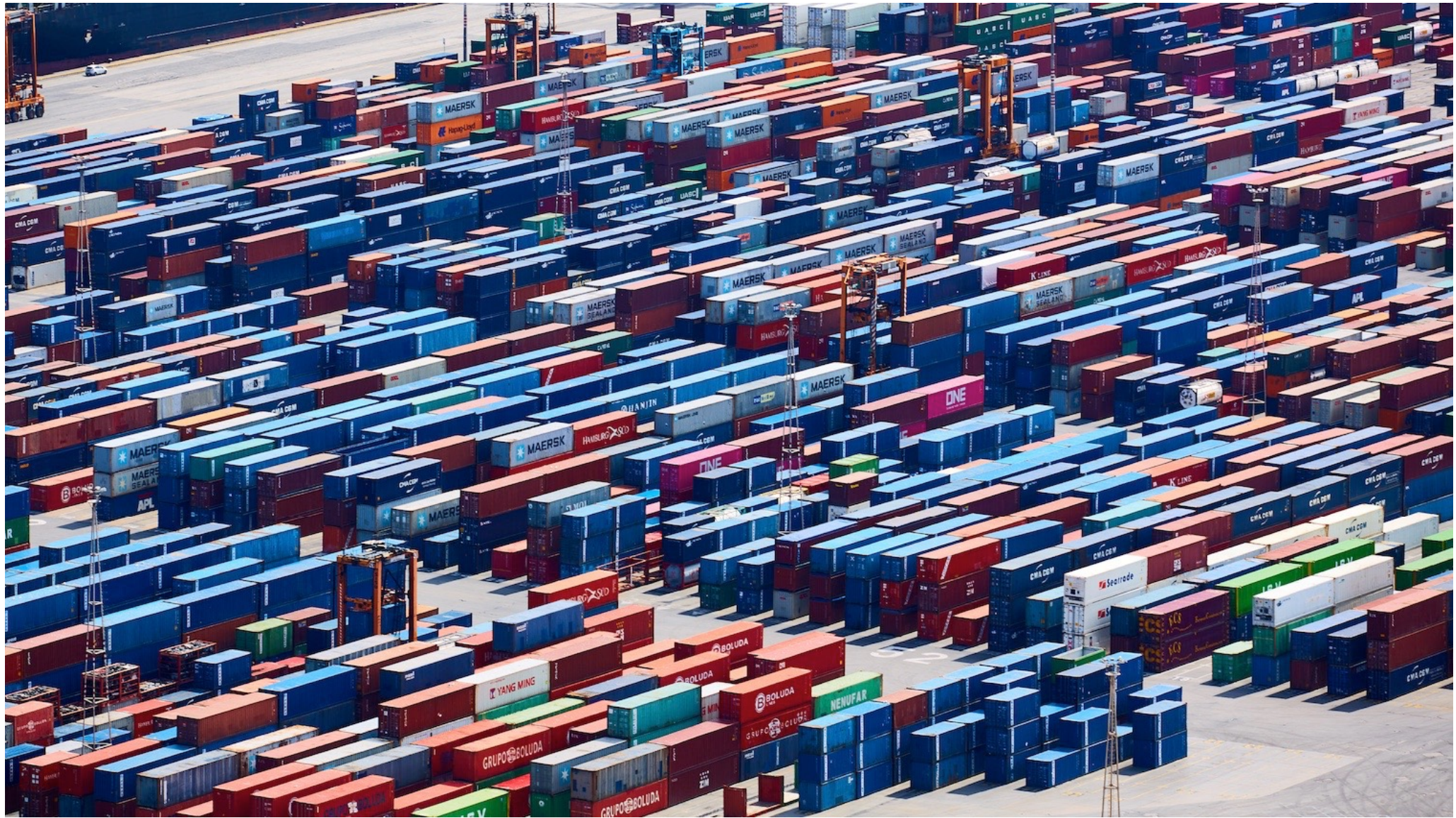






Thoughts...





















Source:
NBC News

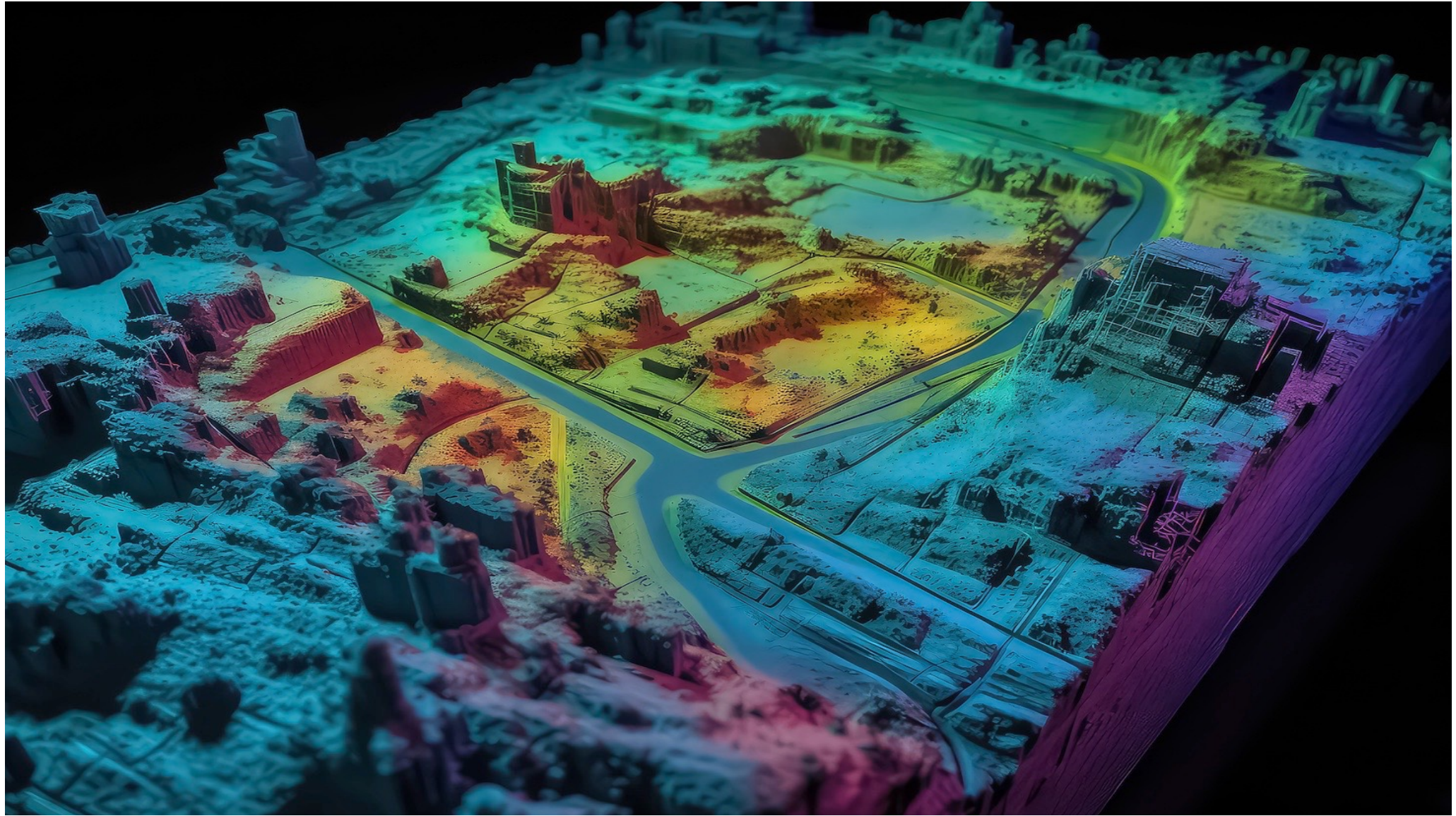


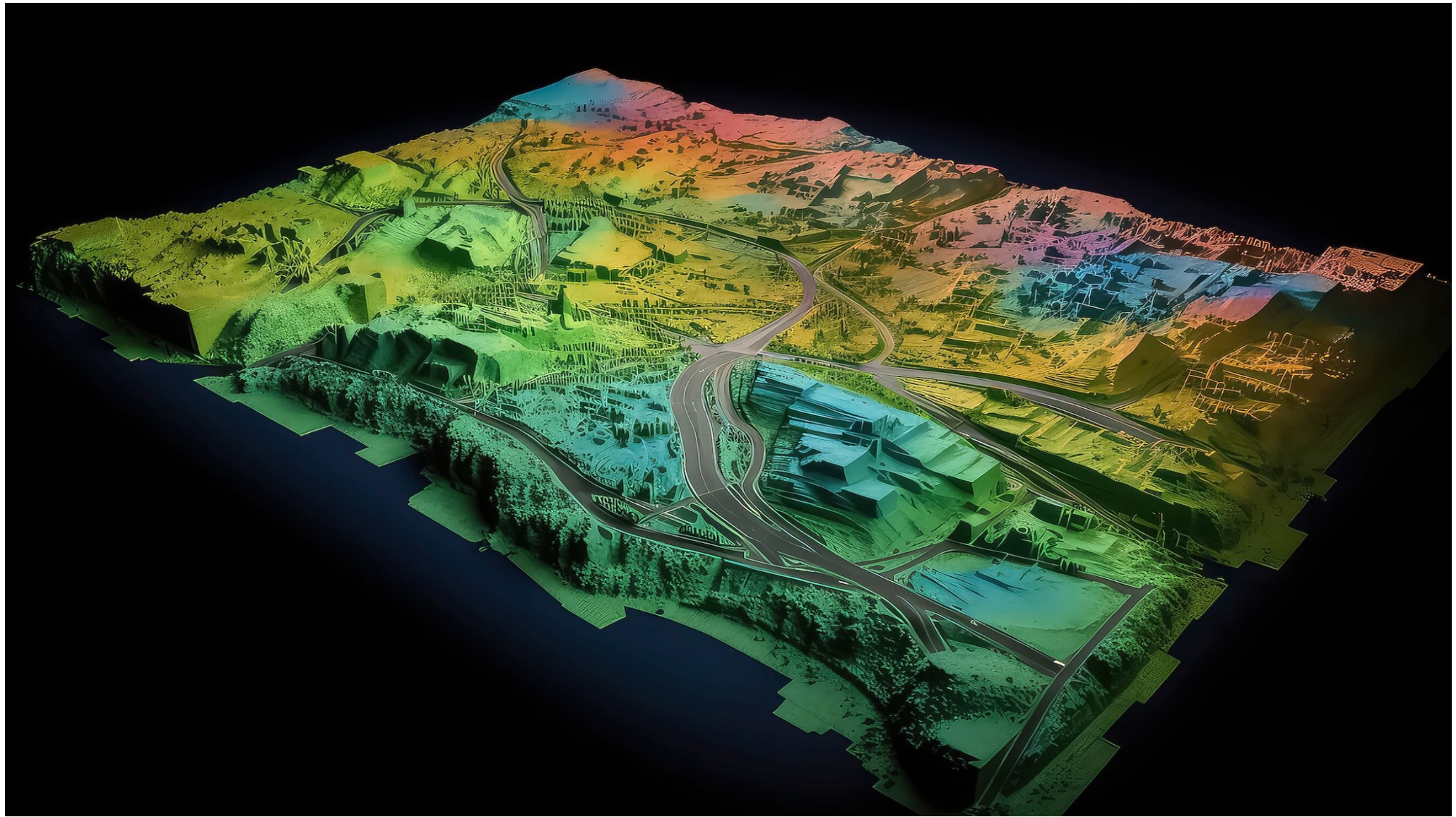
Quick & Dirty COTS?

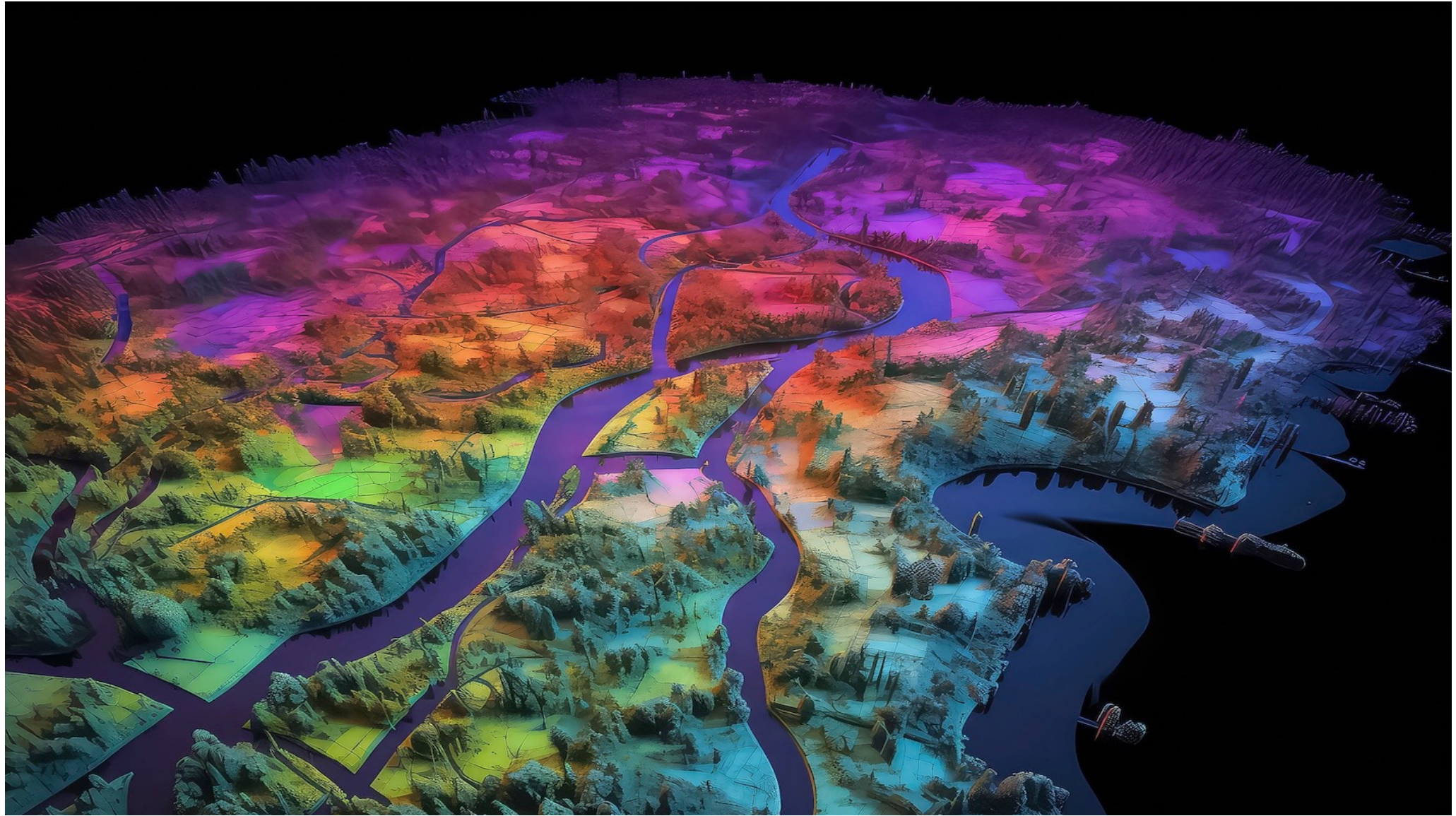


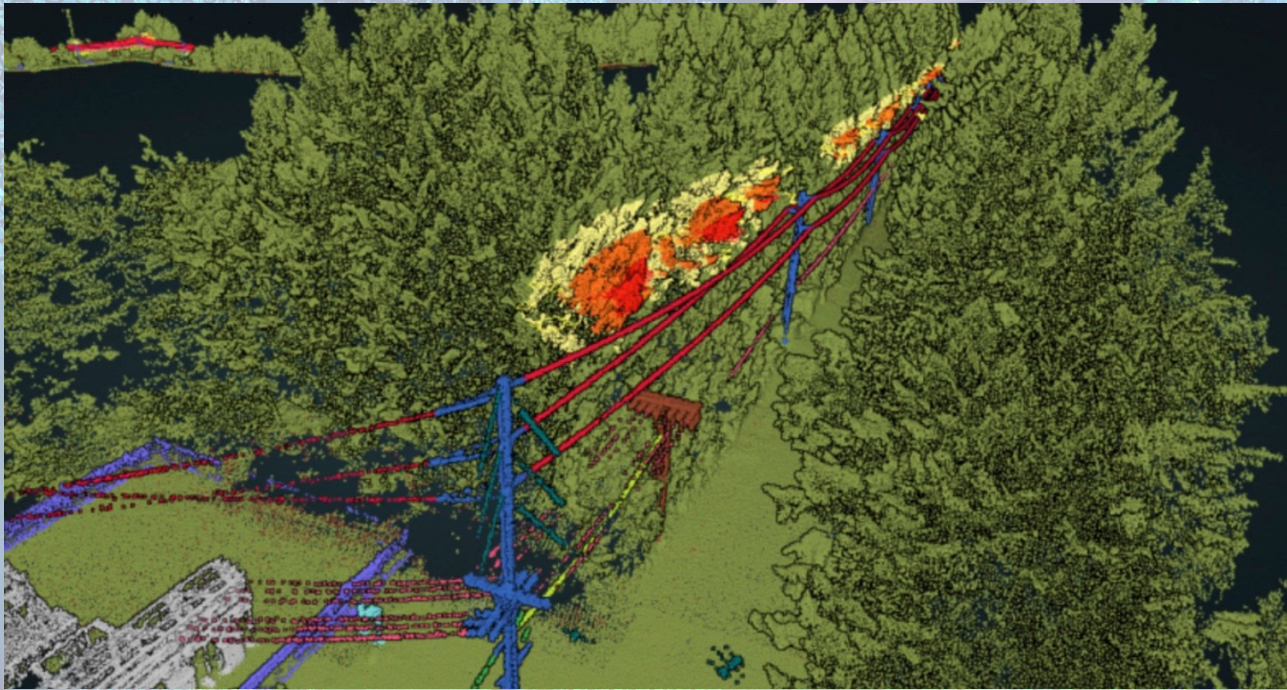


Requirements Analysis...







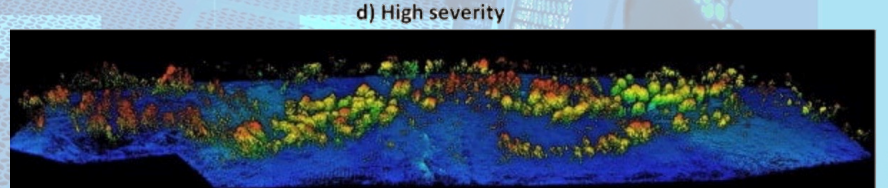
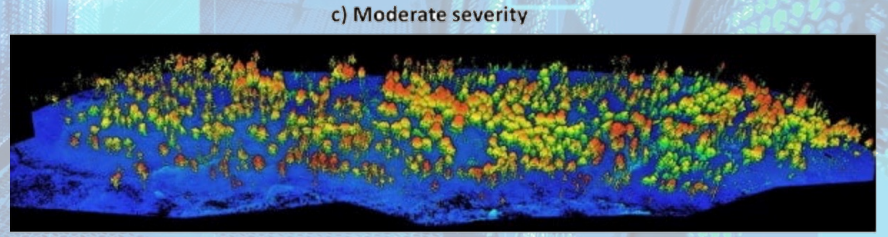
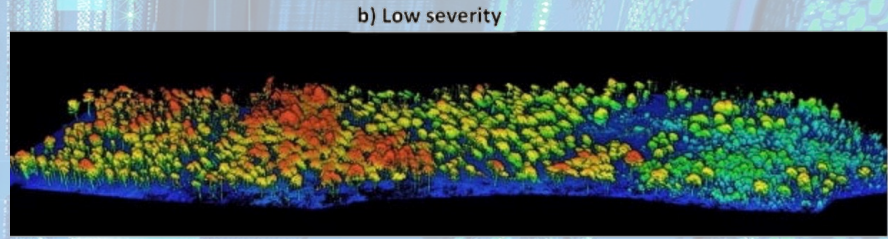
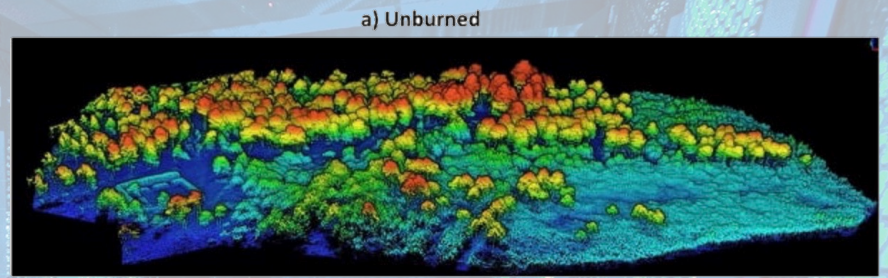
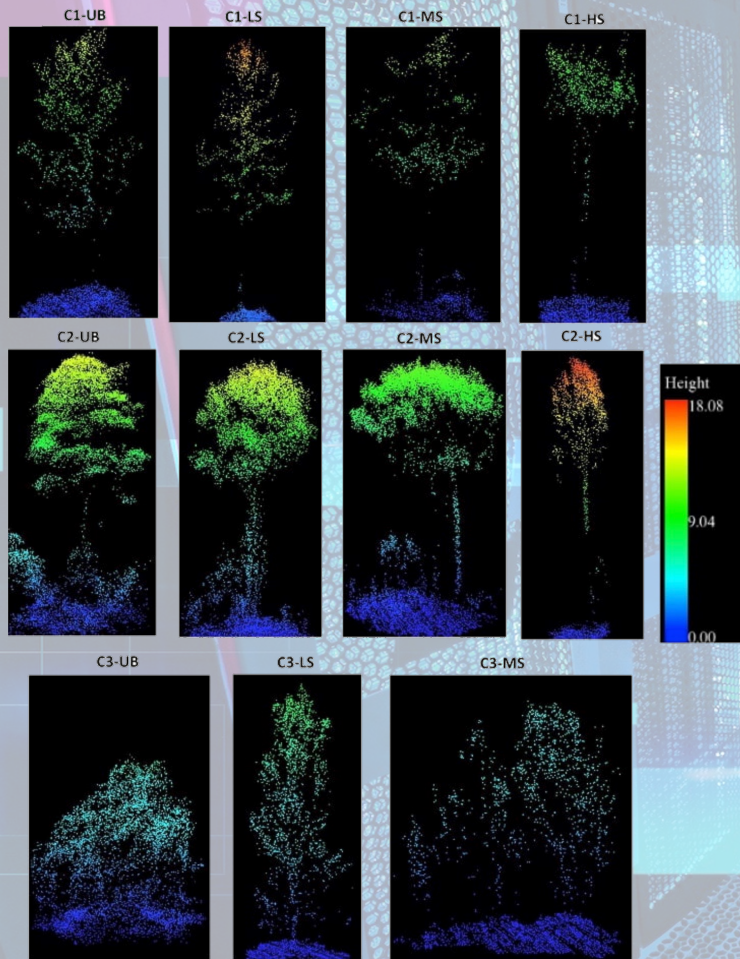


Source:
Blue Falcon Aerial

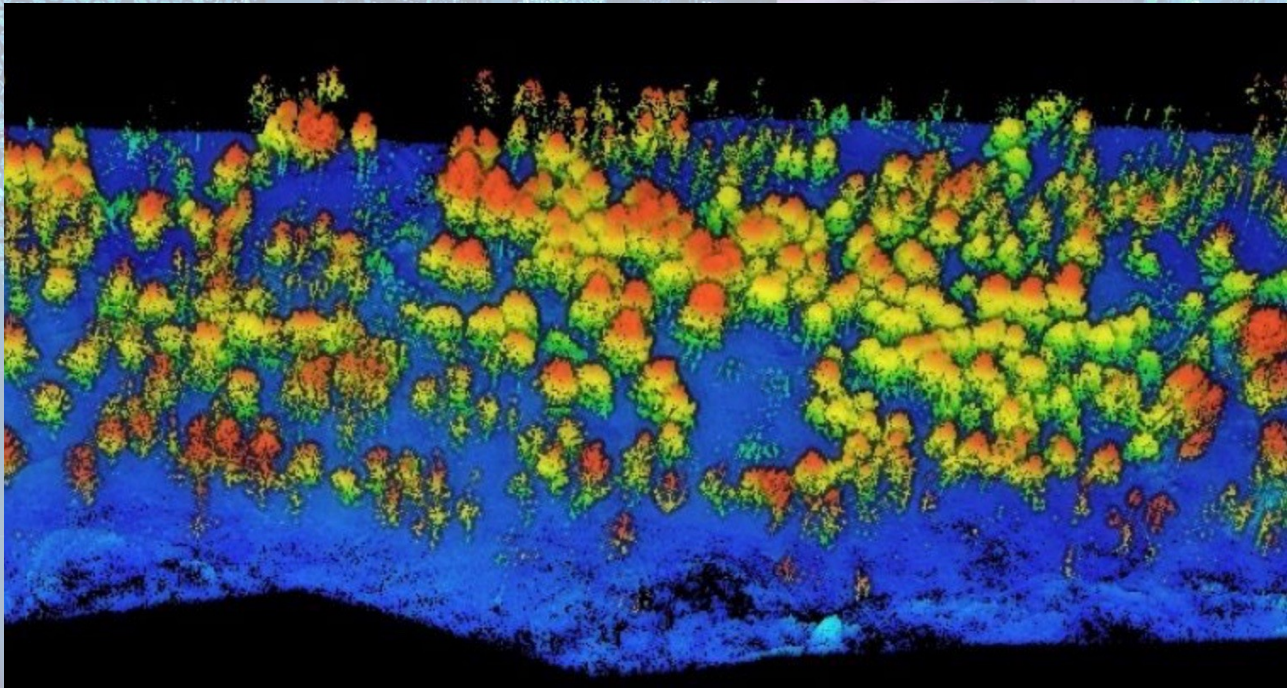
The image features a server room background with a large, semi-transparent orange overlay. The overlay contains the text "Back in the day...". To the right, there is a smaller, semi-transparent inset image showing a perspective view of a server aisle with perforated metal doors and blue lighting. The overall aesthetic is futuristic and technical.

Back in the day...

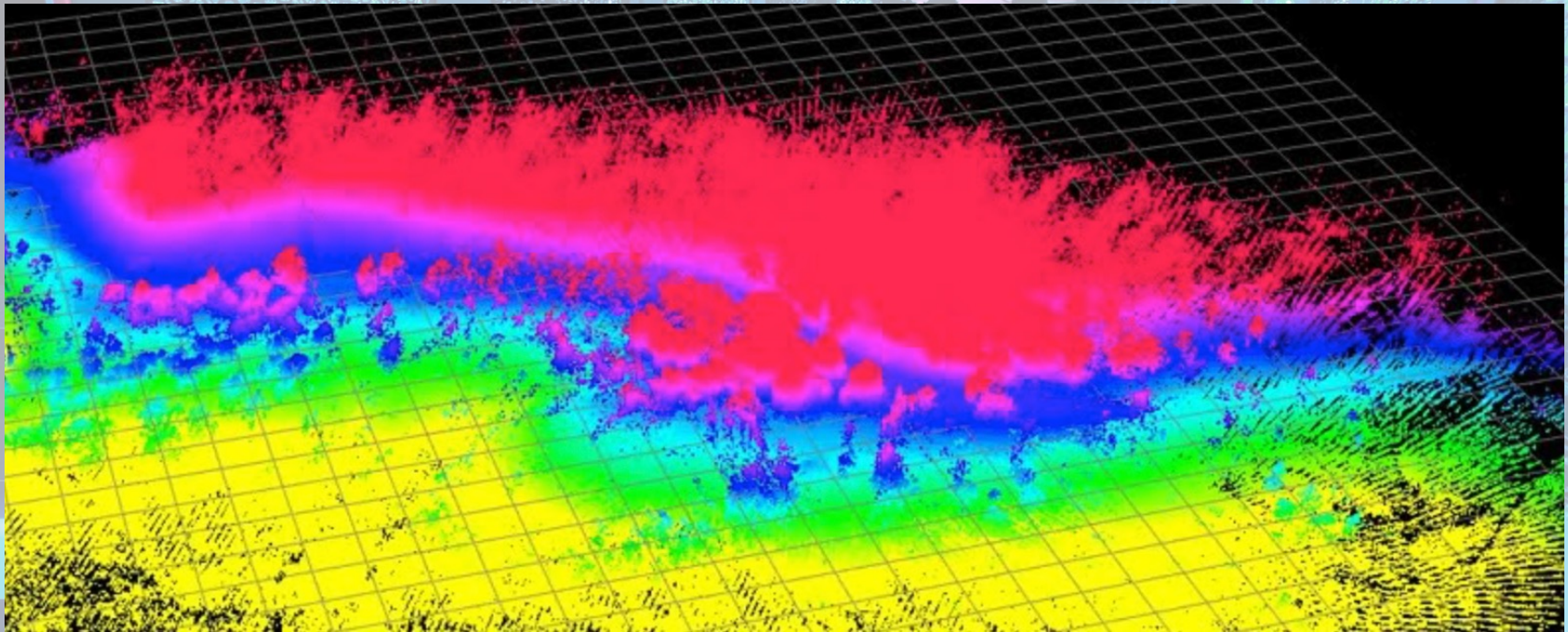





Source:
Routescene



Source:
GIM International



Source:
Routescene



Considerations...












The image features a server room background with a large orange semi-transparent overlay. The overlay contains the text "Recode It!". To the right, there is a smaller, semi-transparent inset image of a server aisle with blue lighting and perforated metal racks. The overall aesthetic is futuristic and tech-oriented.

Recode It !







Source:
Ainstein





What is the Commonality?



















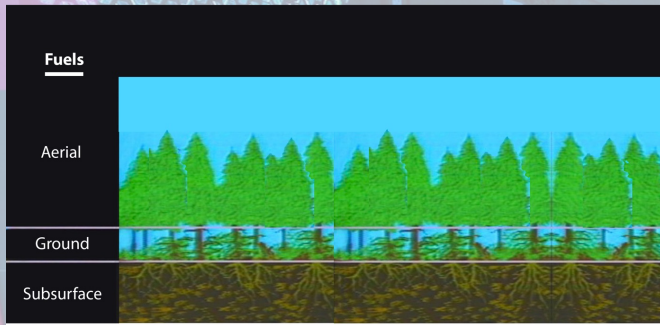






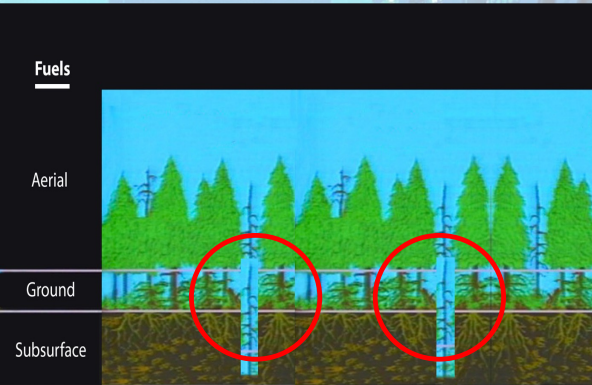
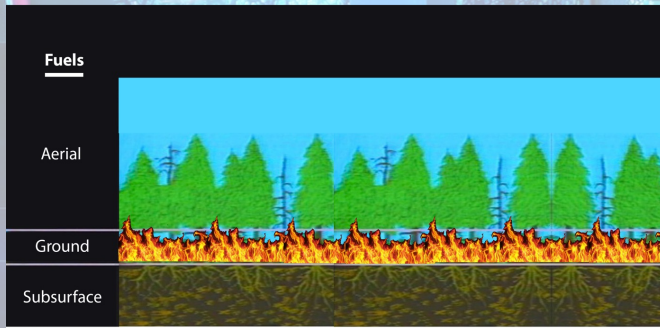


Common Methodology?



The process of forest fire with 3 levels of fuel: aerial, ground, and subsurface. Under normal fire conditions, the fuel under threat is aerial and ground fuel, but the third fuel (subsurface) is the most difficult to detect.

After a normal forest fire, dry stalks become the main fuel causing underground fires and even though the above fires have been extinguished, a gap for the spread of underground fire has formed



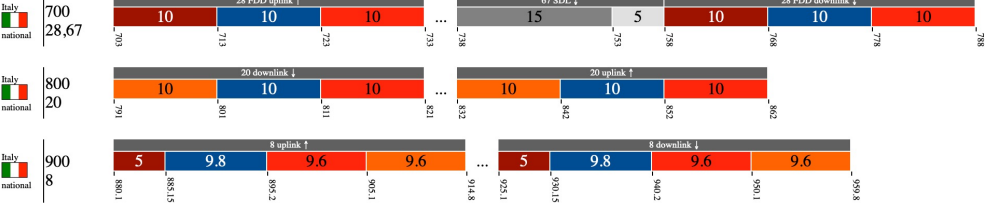
Source:
CRIDR



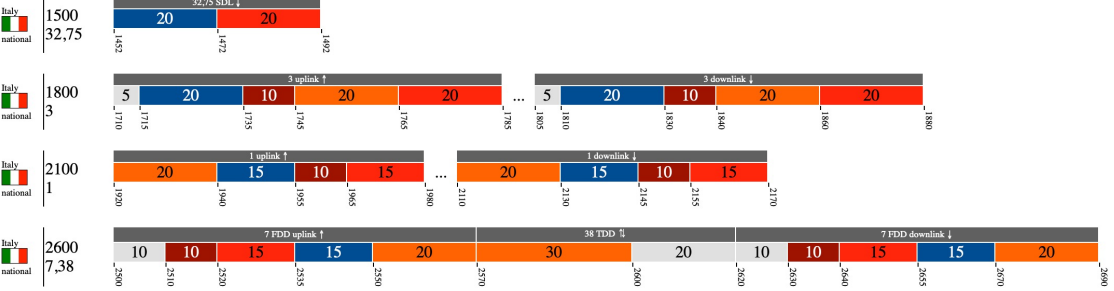


Other Considerations...

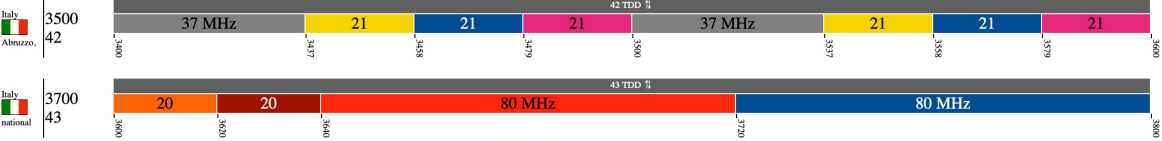
(FR1) sub GHz bands, source: www.spectrummonitoring.com



(FR1) 1-3 GHz bands, source: www.spectrummonitoring.com



(FR1) 3-7 GHz bands, source: www.spectrummonitoring.com



(FR2) above 24 GHz bands, source: www.spectrummonitoring.com

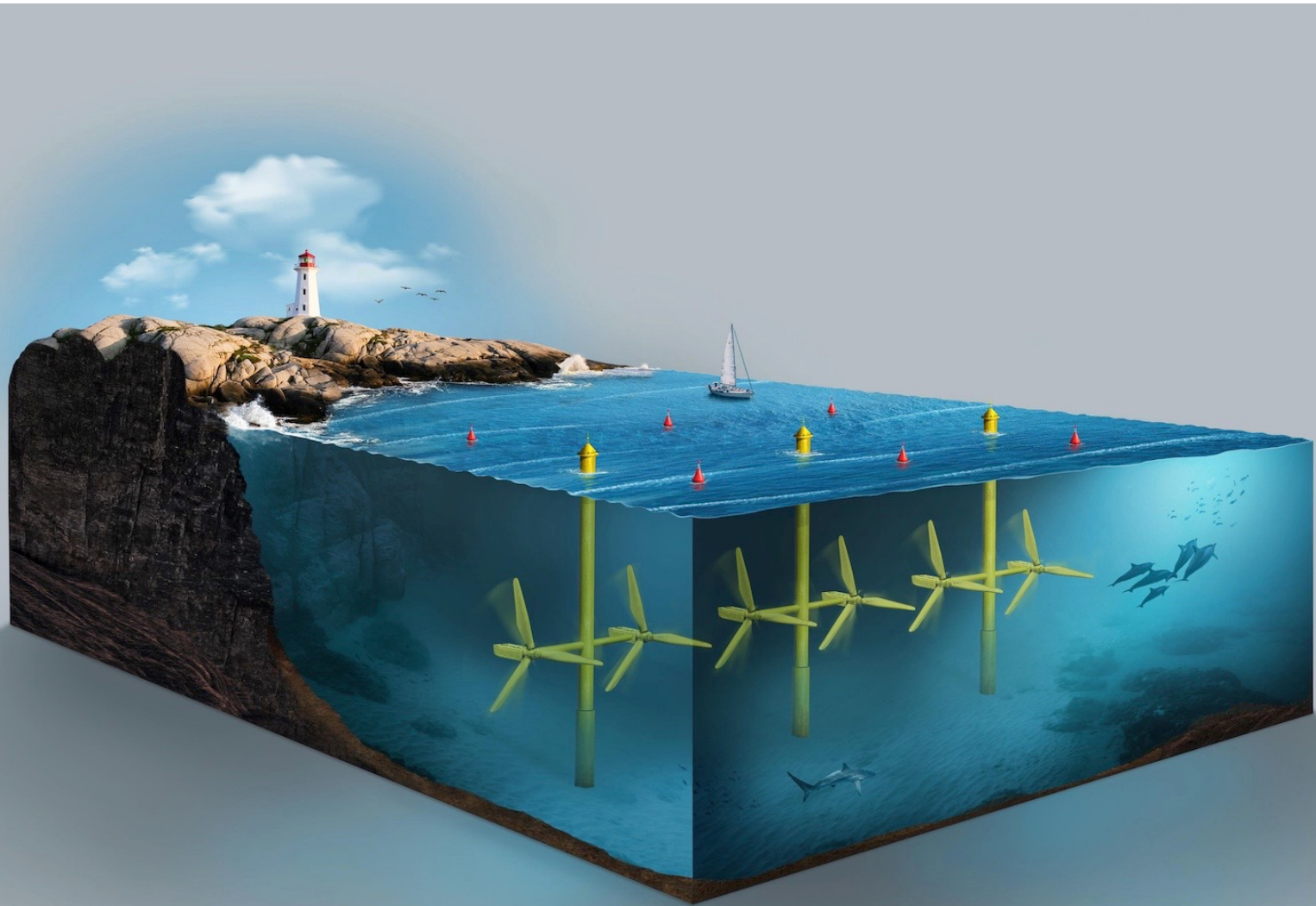


Source: Spectrummonitoring.com





Requirements Analysis...







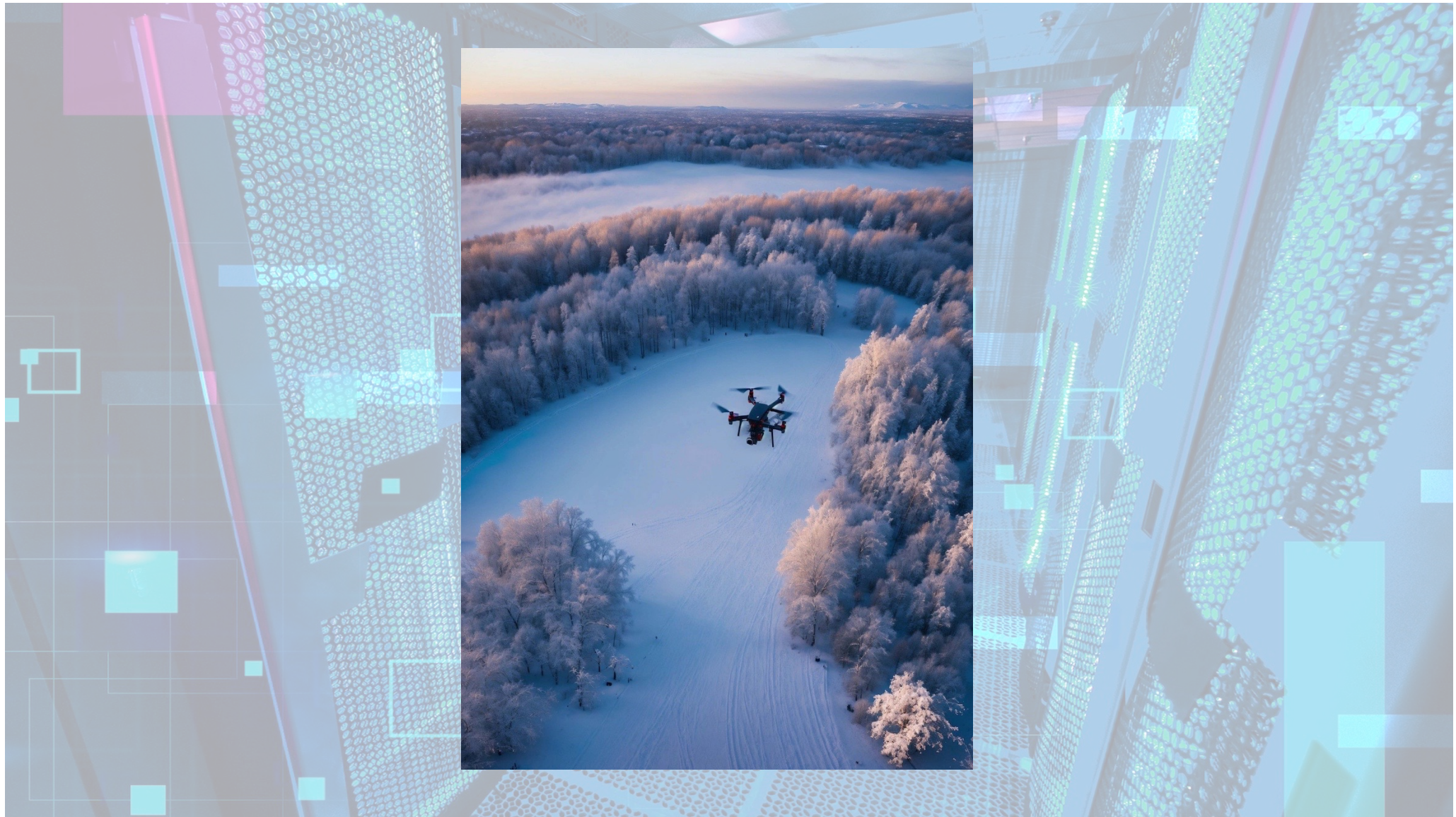


Requirements Analysis...






















Thoughts...









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Thank you to the Audience & Conference Sponsors!

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