ESA Phi-Week 2018

Xu Teo & Dr Peter Hausknecht

14 November 2018
Earth-i is launching a constellation of small satellites based on an SSTL platform:

- 1 meter native resolution images
- 1 meter native resolution video (up to 50 fps)
- Re-sample / super-resolution to approx. 60cm
First batch of 5 satellites scheduled to launch in 2020

Future batches will launch at timely intervals.

Batches to operate in different orbital planes offering different acquisition times

Imaging & video opportunities throughout the day and night
THE EARTH-I CONSTELLATION

VIVID-I

Single image
Stereo image
Multi-look
Video
THE HEADLINES..

“Could snooping officials have a view from space of your shed?”

THE TIMES
EO APPLICATION SNAPSHOTs..
CLOUD REMOVAL USING SATELLITE VIDEO

New Delhi Airport, 2018
Application of machine learning and AI to the large quantities of data created is the ultimate game-changer.
End User

AIS, Radar and RF tracking

Cathode Pile

Transhipment

China

Chile - Copper

China