

Drone and satellite technologies as an effective solution to monitor river systems



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Hydromorphological indicators from satellite data

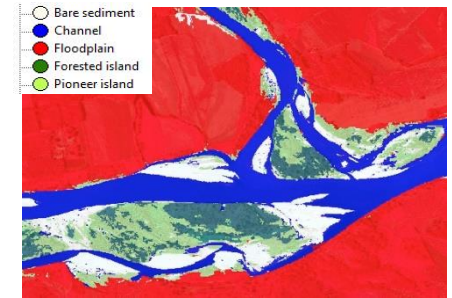
*Italian Research and development Initiative for
Spaceborne river monitoring (IRIS)*



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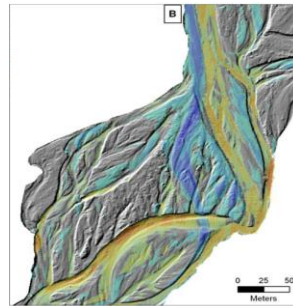
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Geomorphological
units mapping



Sediment size classes

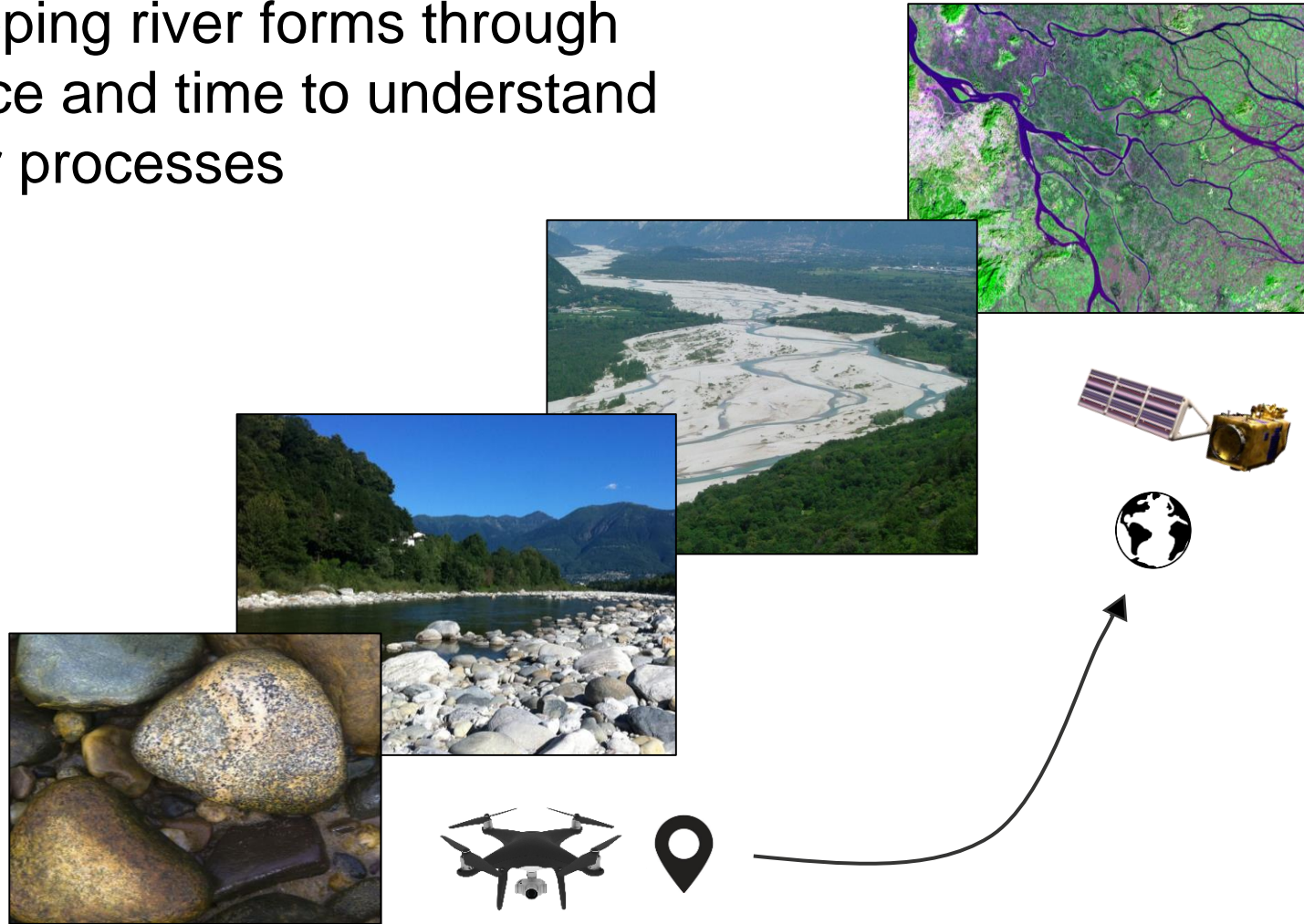


Areas of erosion and deposition



Water channel extraction

Mapping river forms through space and time to understand river processes



Sediment size classes



Areas of erosion and deposition
(Indicator of processes)