

Hyperspectral Sensor Systems Data Sources for Enhanced Analysis
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Sensors, and particularly space-based hyperspectral sensors, will be an important element of the global monitoring strategy. Hyperspectral imagery and analysis can provide fundamental improvements in our ability to remotely sense earth surface characteristics, leading to a better understanding of carbon cycle effects, global warming, etc. This paper will review the current sensors including their capabilities and limitations. Projecting into the future, critical sensor characteristics desired for the next generations will be analyzed based on the potential of new processing approaches for atmospheric correction and information extraction. These characteristics will be compared with current next generation concepts.

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