Panel Introduction: Applications of Remote Sensing and Space Technologies in Water Resources Management

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US City Lights from Space

Credit: NASA
Algae bloom: Western Lake Erie, 2011

Credit: MERIS/NASA; processed by NOAA/NOS/NCCOS
Missouri River Flood, Nebraska, 2011

Lake Mead, Nevada/Arizona

Source: U.S. Geological Survey (USGS) Landsat Missions Gallery; Lake Mead Reaches Historic Low; U.S. Department of the Interior / USGS and NASA.
Lake Mead, Nevada/Arizona
Great Salt Lake, Utah

Credit: Sorooshian, UC Irvine
Urbanization, Shanghai China

1984

2016

Source: NASA Earth Observatory
Wildfire near Ashland, Kansas 2017

March 1

March 17

Source: NASA Earth Observatory
Hydrologic Effects of Land Use Change

How does land use change affect water balance?

Cumulative ET: Washington, DC metro area

Credit: Martha Anderson (ARS, HRSL)
US Daily Evapotranspiration, 2013-14

Credit: Martha Anderson (ARS, HRSL)
Our Panel Speakers

Format

- Panelist Presentations: ~ 45-50 minutes total
  - Short Q&A after each presentation

- Open Panel Discussion: ~20-25 minutes

- Lunch!