



Introductory Webinar: Earth Observations for Disaster Risk Assessment & Resilience

Tuesdays & Thursdays, August 6-15, 2019

10:00-12:00 EDT (UTC-4) or 15:00-17:00 EDT (UTC-4)

According to a UN report, between 1998 and 2017, the U.S. alone lost \$944.8 billion USD from disasters. Between 1878 and 2017, losses from extreme weather events rose by 251 percent. It is critical to develop disaster management strategies to reduce and mitigate disaster risks. A major factor in regional risk assessment is the evaluating the vulnerability of lives and property to disasters. Environmental information about disasters, their spatial impact, and their temporal evolution can plan an important role as well.

This webinar series will focus on Earth observation (EO) data useful for disaster risk assessment. The series will cover natural disasters including tropical cyclones, flooding, wildfires, and heat stress. The training will also include access of socioeconomic and disaster damage data. Sessions 3 & 4 will cover case studies and operational applications of EO for disaster risk assessment.

<p>Part One, August 6</p>	<ul style="list-style-type: none"> • Define basic concepts and definitions of disaster risk management components • Introduce remote sensing and other data sources for disaster risk assessment and evaluation of potential (future) disaster risks
<p>Part Two, August 8</p>	<ul style="list-style-type: none"> • Details of NASA data access and analysis tools, including the NASA Disaster Portal • Additional portals being covered from WRI, IRI, and GFDRR
<p>Part Three, August 13</p>	<ul style="list-style-type: none"> • Present case studies of past, current, and future risk assessment for improved management and planning • Case studies will include: tropical cyclone and urban flooding, heat stress in New York state and Florida
<p>Part Three, August 15</p>	<ul style="list-style-type: none"> • Guest speakers from the Pacific Disaster Center will describe data, applications, and strategies for disaster risk response, response and relief operations



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