



# VERMONTVIEW 2021-2022

**AmericaView**<sup>SM</sup>  
Empowering Earth Observation Education  
[americaview.org](http://americaview.org)

## VERMONTVIEW 2021 - 2022 ACTIVITIES



### The Need for Local-Scale Land Cover Information

Cities across our nation are turning to green solutions, such as tree planting, to combat climate change and address long-standing issues of inequality. To make informed choices, decision-makers need access to accurate, high-resolution land cover data that enables them to quantify the features in their community and relate this to other information such as socio-demographic data and heat island measures.



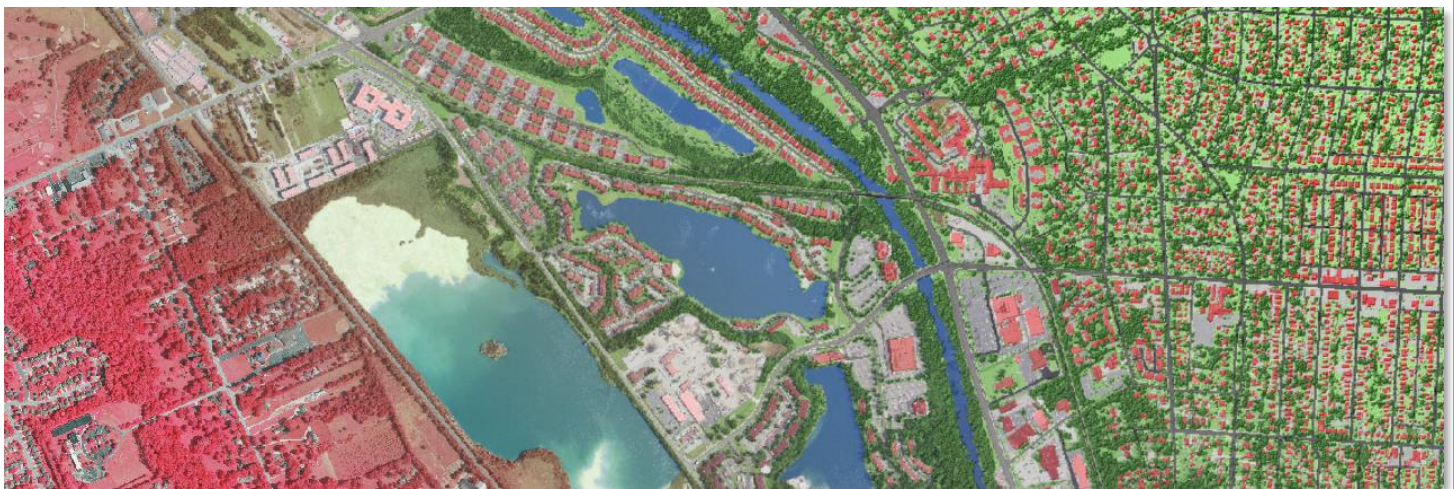
### Awash in Data, Lacking Information

Cities across our nation are turning to green solutions, such as tree planting, to combat climate change and address long-standing issues of inequality. To make informed choices, decision-makers need access to accurate, high-resolution land cover data that enables them to quantify the features in their community and relate this to other information such as socio-demographic data and heat island measures.



### A Free, Easy-to-Use Artificial Intelligence Solution

VermontView, in partnership with Microsoft and Development Seed, created a free solution that allows anyone to generate high-resolution land cover data for areas in the United States. The [PEARL Planetary Computer Land Cover Mapping tool](#) uses Microsoft AI, freely available data from federal government sources, and VermontView-produced land cover data as the backbone for its solution.



*The PEARL Planetary Computer Land Cover Mapping tool makes it easy for any user to derive land cover from publicly available imagery.*

VermontView is a member of the AmericaView Consortium, a nationally coordinated network of academic, agency, non-profit, and industry partners and cooperators that share the vision of promoting and supporting the use of remote sensing data and technology within each state. AmericaView is funded by USGS grant agreement G18AP00077.

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## BENEFITS TO VERMONT



### Expertise

With no remote sensing professionals employed within state government, VermontView is the resource agencies and elected officials turn to when they need unbiased advice.



### Analytical Capacity

VermontView leverages the massive computing infrastructure at the University of Vermont to apply big data analytics to extract actionable information from vast remote sensing datasets.



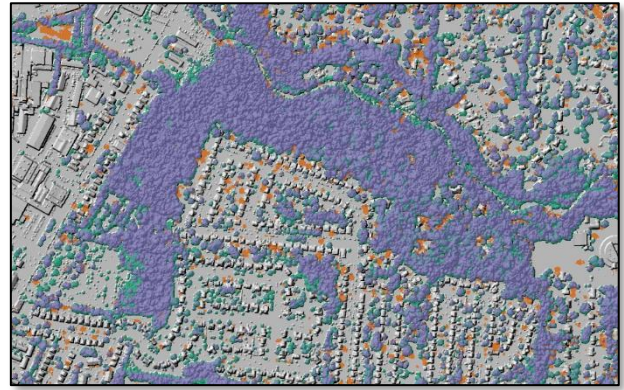
### The Future Workforce

Developing the workforce of the future starts today. VermontView is active throughout the state in K-16 outreach and education, providing students with STEM learning opportunities.

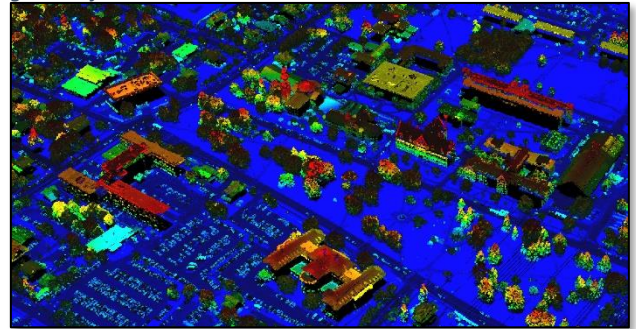


### Collaboration

With resources strained we know collaboration is more important now more than ever. VermontView brings people together to solve



*VermontView's high-resolution land cover mapping helps local decision-makers understand their communities to help plan a greener future.*



*LiDAR has proved an invaluable tool for Vermont. VermontView provides technical expertise ranging from quality control to technical assistance.*

## VERMONTVIEW CONSORTIUM MEMBERSHIP



The  
**UNIVERSITY**  
of VERMONT



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