

# TeachData Using Stakeholder Input to Effectively Communicate Research



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<http://teachdata.nmepscor.net>

## INTRODUCTION

Beginning with an Innovation Working Group in 2011, NM EPSCoR has worked to identify what K-12 teachers need and want in order to use climate data effectively in their classrooms. As part of this effort, an advisory group of secondary teachers met over the course of one year to provide input that modified the design of the NM EPSCoR data portal and led to the development of a website, **TeachData**, that provides all the elements the teachers identified as most useful.

## CURRENT UNITS

- Measuring SAMs
- Biodiversity & Bioblitz

## IN DEVELOPMENT

- Bullfrogs in the Mora River
- Iron Cycle
- Homestead Records
- SNOTEL/SCAN
- Diurnal Variability in the Jemez
- Fish in the Rio Grande
- And more!

Scan this code to see the site!



**Intuitive Interface**

**Interesting Visualizations**

**Human Face on Data**

**Hoverable Pop-Up Boxes**

**Maps to Situate Data**

**Easily Downloadable Data**

**WHAT TEACHERS WANT**

Teachers want real access to real data from research conducted in New Mexico. The TeachData site strives to satisfy specific requests from teachers in order to provide them with the best tool possible for use in their classrooms. The magnified areas show how TeachData is fulfilling the needs of teachers.

**FEEDBACK**

Several teachers have had the opportunity to test out TeachData in their classrooms and provide feedback.

*"All of my groups especially like that they can learn info about their state and [the data] is from places they could go visit."*

*"I tried out the website with a small group of students - they really enjoyed the activity. One young lady said she wanted to try another one next week after school. They all felt all of the parts - video, graphs, definitions, etc. were very helpful."*

*"[The students] especially liked learning about something from an area that they had a personal connection to."*

**Timeline:**

- June 2011**: Innovation Working Group on using data to teach climate change
- August-December 2011**: Teacher focus groups (two face-to-face, two virtual meetings)
- January-May 2012**: Recommendations for TeachData are developed
- July-December 2012**: EPSCoR team developed web infrastructure with prototype unit "Measuring SAMs"
- January 2013**: BioBlitz unit developed

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Title:  
"Measuring SAMs" Teacher's Dataset (High Montane Submerged Aquatic Macrophytes)

Data Format:  
spreadsheet

EPSCoR Data Portal link:  
<http://nmepscor.org/dataportal>

Data File:  
<http://gstore.unm.edu/apps/epscor/datasets/e5b85570-624f-4...>