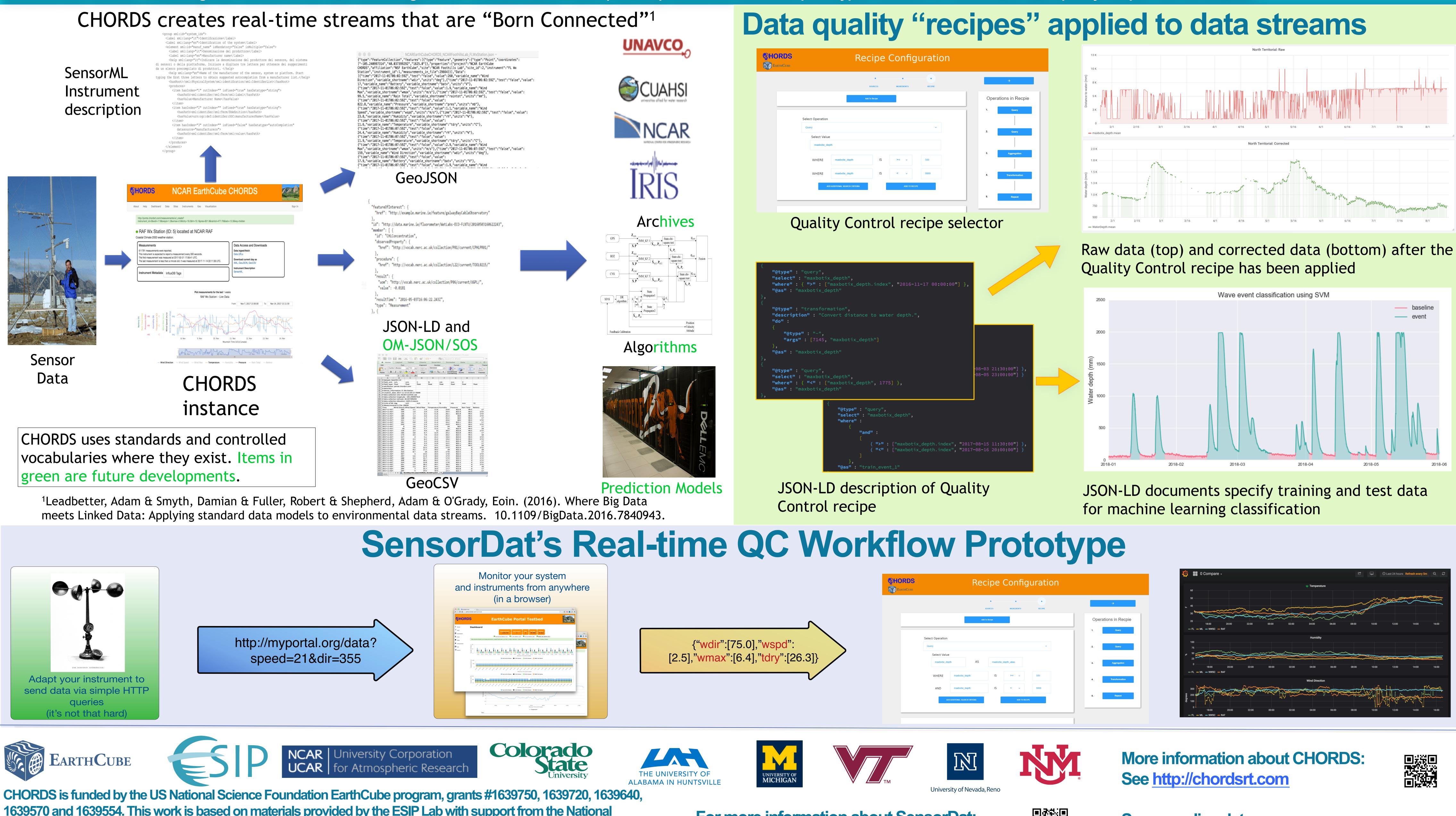
data quality and provenance

SensorDat: a testbed for improving real-time sensor 01100100 Mike Daniels (NCAR), Matt Bartos (UMich), Connor Scully-Allison (UNR), Scotty Strachan (UNR), Renée Brown (UNM),

Aaron Botnick (NCAR), Charlie Martin (NCAR) set of real-time measurements to the research community. Sensor data used for scientific research community. Sensor data used for scientific research purposes require additional sophistication due to issues such as interoperability and metadata requirements, spatial and temporal coverage, data quality considerations and precise measurement specifications. Through systems like CHORDS, it is now possible to bring a level of standardization and consistency to these new sensor streams, addressing data quality issues in real-time so that problems are caught quickly, ultimately improving these measurements. In addition, CHORDS adheres to evolving metadata standards and controlled vocabularies to help researchers discover streaming data in their areas of interest while fully describing the measurements being taken (e.g., variables measured, units of measurement, spatial and temporal coverage, etc.). Through the ESIP lab, we have 1) extended the use of CHORDS to real-time data streams that are outside of the traditional NSF Geosciences domain, including new sensors that take advantage of IoT miniaturization and 2) develop advanced workflow prototypes focused on automated data quality recipes and annotation.



1639570 and 1639554. This work is based on materials provided by the ESIP Lab with support from the National Aeronautics and Space Administration (NASA), National Oceanographic and Atmopsheric Administration (NOAA) and the United States Geologic Survey (USGS).

For more information about SensorDat: See http://github.com/ESIPFed/SensorDat



See more live data: http://portal.chordsrt.com

	恕	
Æ	2	Ľ,
		23