

Third Quarter 2018 - News & Updates

Newsletter for the GRID DATA Repository and BetterGrids Foundation, Inc. (www.bettergrids.org).

Open Source Software Released

In keeping with our commitment to open source data and software, BetterGrids has now released the first version of the Repository code into public domain.

Over the next few months, we also plan to provide examples and guidance for ongoing community development and testing of the REST interface, the Model Format Importers, and the Semantic Search Engine.

Please [contact us at BetterGrids.org](mailto:contact@bettergrids.org) if you are interested in contributing to open source software development, testing and curation.



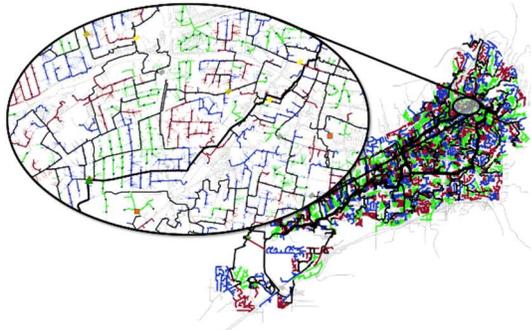
Industry Activities



August was a busy month with several industry seminars and outreach events.

Terry Nielsen of GridBright presented the BetterGrids Repository at the [IEEE PES General Meeting](#) in Portland on two panel sessions related to Big Data Science, with a focus on data quality and semantic search of very large grid models. He also presented at a National Science Foundation workshop on [Analytics for a Resilient Grid](#).

Ali Vojdani and Travis Rouillard of GridBright manned an information booth at the [MISO Market Symposium](#) where innovators, thinkers, and industry visionaries discussed how grid research in new technologies can increase the ability for energy markets to transform the industry. We want to extend a special thanks to ARPA-E and MISO for inviting us to exhibit among a small set of invited technology vendors.



Research & Development

As part of our work with UC Berkeley on a DOE ENERGISE project, we have been working with NREL to validate and enhance their new DITTO model format conversation tool. Specifically, we are using it to convert GridLab-D models into Opal-RT format solar penetration test cases. Next step is to explore ways to make this tool more accessible to the BetterGrids community.

Technical Committee

In late September, we held another Technical Committee Meeting to present the BetterGrids Board annual performance objectives and discuss ideas for achieving the longer term strategic objectives. This includes approaches for expanding the model library, growing users, and building new value added services that will help BetterGrids achieve financial self-sufficiency when the ARPA-E GRID DATA project ends. Meeting notes will be posted at BetterGrids.org.

#	Strategic Goal	% Achieved
1	Complete Phase 3 Repository	100
2	Host 3 to 5 private repositories for universities and national labs	50
3	Form a BetterGrids DERMS Working Group and Expand the Repository to Support DERMS studies	15
4	Prototype one to two new value-added services	50
5	Secure 1 or 2 value-added services/solutions contracts to generate revenue	60
		55

Metric	Q2	Q3
Model contributors	9	15
Registered accounts	207	270
Registered curators	3	3
Model collections	13	13
Distinct models	314	324
Model files	881	913
Model files (Mb)	2988	3006
Views/Downloads	79,209	104,998

Quarterly Repository Metrics

The Repository and user community continue to grow. Highlights of recent model contributions include:

- NREL: Large-scale Synthetic Distribution and sub-transmission dataset based on building and street maps for Santa Fe, NM
- U of Wisconsin, EPIGRIDS: "The Wisconsin 1664 Bus system"
- Michigan Tech: Occupancy and Consumption Correlation Analysis Data

Stay Current

Stay up to date on the Repository progress and BetterGrids by following us at [LinkedIn](#), [Twitter](#), or at our website www.BetterGrids.org.

