CAST Commentary QTA2019-1
Enabling Open-source Data Networks in Public Agricultural Research
Released March 11, 2019

Chair: Sylvie Brouder, Purdue University; 10-member task force

Release/Rollout
On March 11, Dr. Sylvie Brouder, the task force chair, conducted two NCFAR (National Coalition for Food and Agricultural Research) Hill Seminars for both House and Senate staffers—the House presentation taking place during a noon Lunch ’n Learn and the Senate presentation occurring during the afternoon. Later in the day, a panel presentation and reception were held at the Association of Public and Land-grant Universities board room. The panelists included: Cynthia Parr, Technical Information Specialist, USDA-ARS; Robin Schoen, Director of the Board Agriculture and Natural Resources, The National Academies of Sciences, Engineering, and Medicine; and Elizabeth Stulberg, Science Policy Manager at The Alliance of Crop, Soil, and Environmental Science Societies. Approximately 56 people attended these three presentations.

In-kind Contributions: 260 volunteer hours; $19,240 monetary value

Press Release (results two weeks after release)
- Press release went to 8,070 e-contacts (1,518 media) resulting in 3,492 opens/interactions
- The press release through PRWeb resulted in 2,000 views and reached 960 targeted influencers (journalists).
- A sampling of sites where the release was picked up: AgriTech Tomorrow, Benzinga, Boston Herald, Markets Insider, NCFAR, News Locker, One News Page Global Edition, PortalTaxi.net, Reddit, RFD-TV, San Diego Union Tribune, Star Tribune, many radio station, and ABC, CBS, NBC, FOX, and CW affiliates.

Follow-On Activities
- Video of Dr. Brouder’s presentation and slides posted on CAST website and YouTube. Click here to view. (162 views as of March 10, 2021)
- Dr. Brouder presented at the Institute for Bioscience and Biotechnology Research Interagency Working Group on Biological Data Sharing Workshop, University of Maryland, June 12, 2019. https://www.ibbr.umd.edu/event/iwgbds/agenda

Paper Distribution
- Paper Downloads Accessed from CAST Website—2 years after release: 3,800

This report last updated 3/10/2021.
Indirect Paper Distribution
ACSESS Digital Library
https://dl.sciencesocieties.org/issue-papers

EBSCO

ORCID
https://orcid.org/0000-0002-8870-7099

Articles and Web Mentions
Agri-Pulse, Washington Week Ahead, March 10, 2019

Bovine Veterinarian, Leverage Resources in Ag Research, John Maday, March 11, 2019
https://www.bovinevetonline.com/article/leverage-resources-ag-research

https://dl.sciencesocieties.org/publications/csa/abstracts/64/5/26?access=0&view=article

Feedstuffs, Open data needed to address ag problems, Jacqui Fatka, March 14, 2019

KPCNews.com, Purdue seeks ways to feed the world and preserve the environment, April 27, 2019
https://www.kpcreviews.com/article_83b04296-4c3a-5c46-8f31-b072d1783c4c.html

National Coalition for Food and Agricultural Research, press release, March 8, 2019

National NAMA eNews, March 11, 2019
http://www.namablog.org/?p=14096

Ohio’s Country Journal/Ohio Ag Net, Data Synthesis Important for Ag Research, March 15, 2019
https://www.ocj.com/2019/03/data-synthesis-important-for-ag-research/

Purdue University Agriculture News, How to feed the world and preserve the environment, April 9, 2019

Purdue University Agriculture News, Ag researchers make case: Big changes require access to big data, March 11, 2019
https://www.purdue.edu/newsroom/releases/2019/Q1/ag-researchers-make-case-big-changes-require-access-to-big-data.html
picked up by Farmers Advance, part of the USA Today network, April 30, 2019

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The Scientist, Opinion: Agriculture Must Replace Small Science with Big Science; Agronomic sciences should follow the lead of genetics and other disciplines in sharing data. Jun 17, 2019, Sylvie Brouder

Southern Crop Production Association, March 20, 2019

USDA-ARS, March 11, 2019
https://www.ars.usda.gov/research/publications/publication/?seqNo115=361255

Western Society of Weed Science, WSWS Officer and Committee Report, March 2019

Citations
https://publications.arl.org/rli298/37

The Crawford Fund, Agricultural Science, Combined Volumes 30 and 31, 2019

Geoderma Regional, Spatial prediction of soil properties for the Busia area, Kenya using legacy soil data, Volume 25, June 2021

Plant Direct, Plant science decadal vision 2020–2030: Reimagining the potential of plants for a healthy and sustainable future, September 1, 2020
https://doi.org/10.1002/pld3.252

Springer, Improving Potassium Recommendations for Agricultural Crops, 2020

https://link.springer.com/chapter/10.1007/978-3-030-59197-7_1

Social Media

Twitter—
@CASTAgScience, March 4, 2019
https://twitter.com/CASTagScience/status/1102690934284828673

@CASTAgScience, March 6, 2019
https://twitter.com/CASTagScience/status/1103403085005758465

@CASTAgScience, March 10, 2019
https://twitter.com/CASTagScience/status/1104849910728400898

@WaterWired, March 11, 2019
https://twitter.com/WaterWired/status/1105123530490826752

@CASTagScience, March 11, 2019
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