



CAST Commentary QTA2021-1
***The Role of Agricultural
 Science and Technology
 in Climate 21 Project
 Implementation***

Released June 28, 2021

Chair: David Baltensperger, Texas A&M University; 19-member task force

Release/Rollout

CAST Commentary, “The Role of Agricultural Science and Technology in Climate 21 Project Implementation,” was released on June 28, 2021, and highlighted through a webinar on June 29. Task force chair, Dr. David Baltensperger, presented an overview of the paper then lead authors for the five essay topics presented highlights followed by a Q&A session. The panel included Marty Matlock, Juan Tricarico, Alex Thomasson, Zhengxia Dou, and Debbie Reed. There were 544 registrants for the webinar with 218 attendees.

- [Link to commentary, Ag quickCAST, and webinar video](#)
- [Webinar Video](#) – 341 views as of December 31, 2021

In-kind Contributions: 270 volunteer hours; \$19,980 monetary value

Press Release (results two weeks after release)

- Distributed through [Constant Contact](#) and the [CAST website](#).
- Press release went to 7,850 e-contacts resulting in 1,630 opens
- 174 views of the press release from the CAST website as of July 12, 2021.
- A sampling of sites where the press release was picked up: The Dairy Alliance, Ecosystem Services Market Consortium, U.S. Sustainability, Growing American, Field to Market
- July 6, 2021, **Iowa State University College of Agriculture and Life Sciences, AgOnline**, Issue 1162, <https://www.cals.iastate.edu/news/agonline/issue/1162> (Link to Press Release)

Webinar Pre-promotion and Recording Links

2021 Hill Seminar Series – **National Coalition for Food and Agricultural Research (NCFAR)** - <https://www.ncfar.org/Education/Webinars> (Link to Webinar recording, and publication page)

Ecosystem Services Market Consortium – **Presentations and Webinars** – Link to Publication Page post launch <https://ecosystemservesmarket.org/resources/presentations-webinars/>

American Society of Agronomy – June 23, 2021 Science Policy Report (Link to webinar registration)

This report last updated 12/30/2021.

July 4, 2021, KZ line, -- <https://kzread.info/dash/cast-webinar-the-role-of-agricultural-science-and-technology-in-climate-21-project-implementation/IHt6srWgeMXPj8o.html> (Link to recording)

July 12, 2021 - <https://cupidshealth.com/cast-webinar-the-role-of-agricultural-science-and-technology-in-climate-21-project-implementation/>

Follow-On Activities

University of Minnesota Swine Extension, Swine & U Column, *Food supply Chain and Waste in Climate Mitigation*, November 15, 2021, Dr. Allison Thomson co-authors a blog as part of the larger paper. <https://blog-swine.extension.umn.edu/2021/11/swine-u-column-food-supply-chain-and.html>

Paper Distribution

Paper distribution (print and online access from CAST website) 6 months after release – 3,418

July 19, 2021 (450 copies distributed electronically) – An email message with the Commentary attached was distributed to approximately 50 key leaders/administrators at the USDA under the signatures of David D. Baltensperger, CAST President; Gary A. Thompson, CAST Board of Trustees Chair; and Kent G. Schescke, CAST Executive Vice President & CEO. Then a message with the Commentary attached was distributed to approximately 400 USDA employees under Kent Schescke's signatures.

Indirect Paper Distribution

Semantic Scholar, <https://www.semanticscholar.org/paper/The-Role-of-Agricultural-Science-and-Technology-in-Yu/3a5e2dacb84a8c11929a60d65149a51db72679b1>

Feed Strategy, <https://www.feedstrategy.com/wp-content/uploads/2022/02/Climate-21.pdf>

Iowa State University CALS, July 6, 2021, <https://www.cals.iastate.edu/news/agonline/issue/1162>

North Carolina State University CALS News, *Climate Change and Agriculture*, <https://cals.ncsu.edu/news/climate-change-and-agriculture/>

American Society of Animal Science, <https://www.asas.org/taking-stock/taking-stock/2021/07/29/the-role-of-agricultural-science-and-technology-in-climate-21-project-implementation-published>

Articles and Web Mentions

June 29, 2021, **The Dairy Alliance**, <https://thedairyalliance.com/newsroom/cast-releases-new-commentary-on-the-role-of-agricultural-science-and-technology-in-climate-21-project-implementation/>

July 1, 2021, **Crop Life America, Reports**, <https://www.croplifeamerica.org/reports> (Link to publication)

July 6, 2021: During this morning's "**Agribusiness Report**" on **TV Channel 13**, David Geiger mentioned our publication. No visuals, but he stated something about "The Council for Agricultural Science and Technology paper"... "experts say agriculture can help with climate challenges".... And maybe a bit more. About a minute.

July 6, 2021, **Iowa State University CALS**, <https://www.cals.iastate.edu/news/agonline/issue/1162>

This report last updated 12/30/2021.

July 14, 2021 – **U.S. Sustainability**, *CAST Commentary Considers Role of Ag Science and Tech in Climate Mitigation* (Article, link to press release and commentary)

<https://thesustainabilityalliance.us/cast-commentary-considers-role-of-ag-tech-in-climate-mitigation/>
Newsletter: <https://mailchi.mp/5213827cf068/us-eu-trade-means-resolving-difficult-ag-issues-says-usda-secretary-vilsack-6513108?e=6ed34f4a42>

July 19, 2021 – **FASS**, *Science Policy*, (Link to Publication Page, <https://www.fass.org/Science-Policy/2021-June>)
August 24, 2021 – **Farms, Food and You** podcast – *Climate Change and North Carolina Agriculture* podcast (Article listed as resource <https://podcasts.apple.com/hu/podcast/climate-change-and-north-carolina-agriculture/id1515355005?i=1000532972894>)

September 28, 2021 and November 15, 2021 – **The Land** (September) and **University of Minnesota Extension – Swine Extension** (November) – *Swine & U Column: Food Supply Chain and Waste in Climate Mitigation* (Blog article as part of the larger paper, link to publication page, press release, article, webinar and commentary)

September - https://www.thelandonline.com/news/swine-u-food-supply-chain-and-waste-in-climate-mitigation/article_bee2a5a6-1a50-11ec-b2a3-0f17f8081ccb.html

November - <https://blog-swine.extension.umn.edu/2021/11/swine-u-column-food-supply-chain-and.html>

October 7, 2021, **Illinois Soybean Association – Weekly Update**, <https://www.ilsoy.org/isa-fast-5-100721> (Link to publication page)

December 29, 2021, **Feedstuffs** and **National Hog Farmer**, *Upcycled animal feed: Sustainable solution to food waste problem*,

Feedstuffs, <https://www.feedstuffs.com/livestock-poultry/upcycled-animal-feed-sustainable-solution-food-waste-problem>

National Hog Farmer, <https://www.nationalhogfarmer.com/feed/upcycled-animal-feed-sustainable-solution-food-waste-problem> (Link to publication)

Citations

Towards smart farming solutions in the U.S. and South Korea: A comparison of the current status, **Geography and Sustainability**, December 2021 <https://www.sciencedirect.com/science/article/pii/S2666683921000778>

New Bolton Center: A living laboratory for protecting water quality and pursuing sustainability, **The Water Center University of Pennsylvania**, May 10, 2021 <https://watercenter.sas.upenn.edu/new-bolton-center-a-living-laboratory-for-protecting-water-quality-and-pursuing-sustainability/>

Reducing food's resource and climate footprints via food waste upcycling, **Research Square**, March 10, 2022, <https://www.researchsquare.com/article/rs-1404610/latest.pdf>

Social Media

Twitter—

CAST @CASTagScience May 28, 2021

<https://twitter.com/CASTagScience/status/1398280438649606148>

CAST @CASTagScience June 15, 2021

<https://twitter.com/CASTagScience/status/1404804698012622855>

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1 retweet, 2 likes

C-FARE @CFAREcon June 21, 2021

<https://twitter.com/CFAREcon/status/1406964104967884804>

2 retweets, 2 likes

CAST @CASTagScience June 22, 2021

<https://twitter.com/CASTagScience/status/1407332574637264905>

1 like

CAST @CASTagScience June 26, 2021

<https://twitter.com/CASTagScience/status/1408802611273342980>

1 retweet, 4 likes

Pamela (Pam) Marrone @pammarrone June 28, 2021

<https://twitter.com/pammarrone/status/1409610506025914370>

Ecosystem Services Market Consortium @MarketEcosystem June 28, 2021

<https://twitter.com/MarketEcosystem/status/1409555652041662464>

1 retweet, 1 like

CAST @CASTagScience June 28, 2021

<https://twitter.com/CASTagScience/status/1409523275013709825>

2 retweets, 3 likes

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<https://twitter.com/CASTagScience/status/1409886900350078978>

1 retweet

CAST @CASTagScience June 30, 2021

<https://twitter.com/CASTagScience/status/1410276967459573760>

1 like

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<https://twitter.com/CASTagScience/status/1420389856044331012>

1 retweet

Facebook—

CAST May 28, 2021

<https://www.facebook.com/CASTagScience/posts/4081793875248711>

CAST June 15, 2021

<https://www.facebook.com/CASTagScience/photos/a.477568575671277/4132501236844641>

3 likes, 1 share

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<https://www.facebook.com/CASTagScience/photos/a.477568575671277/4151234594971305>

2 likes, 1 share

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<https://www.facebook.com/CASTagScience/photos/a.477568575671277/4162707767157321>

4 likes, 1 share

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<https://www.facebook.com/CASTagScience/photos/a.477568575671277/4168031169958314>

5 reactions, 1 comment, 1 share

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<https://www.facebook.com/CASTagScience/photos/a.477568575671277/4170911629670268/>

1 like, 1 share

CAST June 30, 2021

<https://www.facebook.com/CASTagScience/posts/4173954942699270>

4 likes, 1 share

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<https://www.facebook.com/CASTagScience/posts/4253321321429298>

2 likes, 1 share

LinkedIn—

CAST May 28, 2021

<https://www.linkedin.com/feed/update/urn:li:activity:6804046100576653312>

2 likes

CAST June 15, 2021

<https://www.linkedin.com/feed/update/urn:li:activity:6810570344051552257>

3 likes

CAST June 22, 2021

<https://www.linkedin.com/feed/update/urn:li:activity:6813098251961606145>

1 like

CAST June 26, 2021

<https://www.linkedin.com/feed/update/urn:li:activity:6814568063590006784>

1 like

CAST June 28, 2021

<https://www.linkedin.com/feed/update/urn:li:activity:6815288935778942976>

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<https://www.linkedin.com/feed/update/urn:li:activity:6815652577070325761>

CAST June 30, 2021

<https://www.linkedin.com/feed/update/urn:li:activity:6816042645752700929>



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