

The Promise of the Pink Moon

David T. Dyjack, Dr.PH, CIH

September 23, 2021

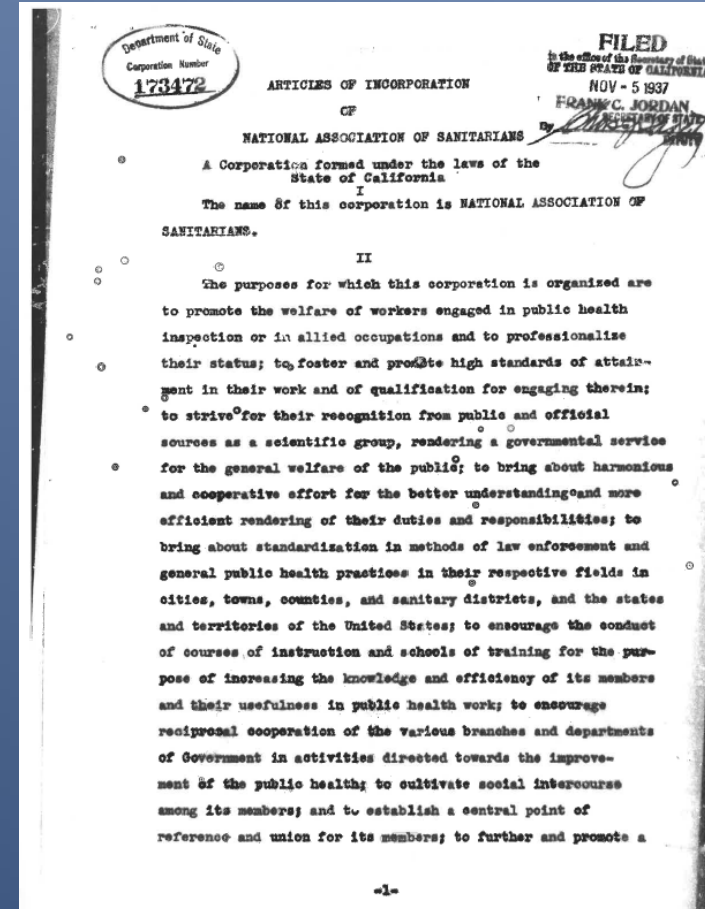
Twitter: @dtdyjack





1937 – Articles of Incorporation

- Promote Welfare of Workers in Public Health Inspection
- Standardize Methods of Law Enforcement
- Cultivate Social Intercourse among Members
- Improve Social & Economic Conditions of its Workers



Anywhere is Everywhere

Opinion: A quarter of the global pig population has been wiped out. Here's why.



A pig farm in Panggezhuang village, in northern China's Hebei province, in May of 2019. (Mark Schiefelbein/AP)

Opinion by Mark Essig
January 6, 2020 at 3:27 PM ET

Mark Essig is the author of "*Lesser Beasts: A Snout-to-Tail History of the Humble Pig.*"

Pigs, like humans, evolved as omnivores. They'll gobble up meat, roots, grains and whatever else their probing snouts discover, including the waste from people's kitchens. The ability of pigs to turn garbage into meat has long made them a crucial resource for the world's poor.

Now those indiscriminate eating habits have

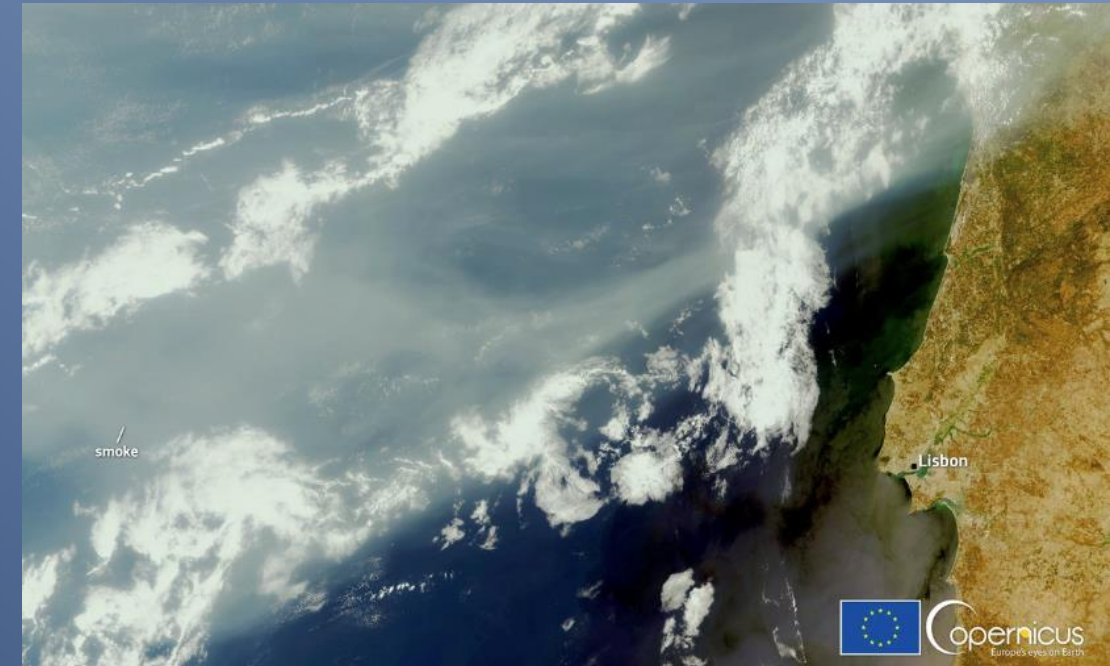


Massive cloud of dust sweeps across Atlantic, heads toward US

by Kevin Byrne, AccuWeather staff writer | Jun 16, 2021 | 6:23 PM

Radiant sunsets are in the forecast for parts of Florida thanks in part to a weather pattern currently underway across another continent.

Dust kicked up across the Sahara Desert and carried by trade winds has been pouring off the coast of Africa in recent weeks and floating clear across the Atlantic Ocean toward the Caribbean and Florida. The dusty air is brought about by a weather pattern known as the African easterly jet, which consists of strong low



The Future is Now



With dozens dead and rescue efforts ongoing, NYC mayor says the dire future experts warned of is now

By Madeline Holcombe, CNN
Updated 8:05 AM ET, Fri September 3, 2021



SPENCER PLATT/GETTY IMAGES

The Severe Weather Event We Routinely Ignore: Poor Air Quality

Air pollution is just as fatal as hurricanes, and it profoundly affects our well-being. Yet we no longer treat it as a crisis.

Liza Featherstone
September 3, 2021



First-ever water cuts expected for Colorado River in historic drought

By Rachel Ramirez, CNN
Updated 3:29 PM EDT, Mon August 16, 2021



Patrick T. Fallon/AFP/Getty Images

The water level at Lake Mead, the largest reservoir in the US by volume, is at its lowest since it was filled in the 1930s.

Renewed Interest in Social Determinants



Congressional EH Agenda

- Cancer Clusters
- Climate Change
- Lead
- PFAS
- Harmful Algal Blooms
- Ethyl Oxide (IL and GA)

Climate and Environment

Biden to place environmental justice at center of sweeping climate plan

By [Juliet Eilperin](#), [Brady Dennis](#) and [Darryl Fears](#)

January 26 at 9:36 PM ET

On Wednesday, the president plans far-reaching actions to cut carbon emissions, aid polluted communities and shift the nation away from fossil fuels. The administration will treat climate change ‘as the emergency that it is,’ one top adviser says.

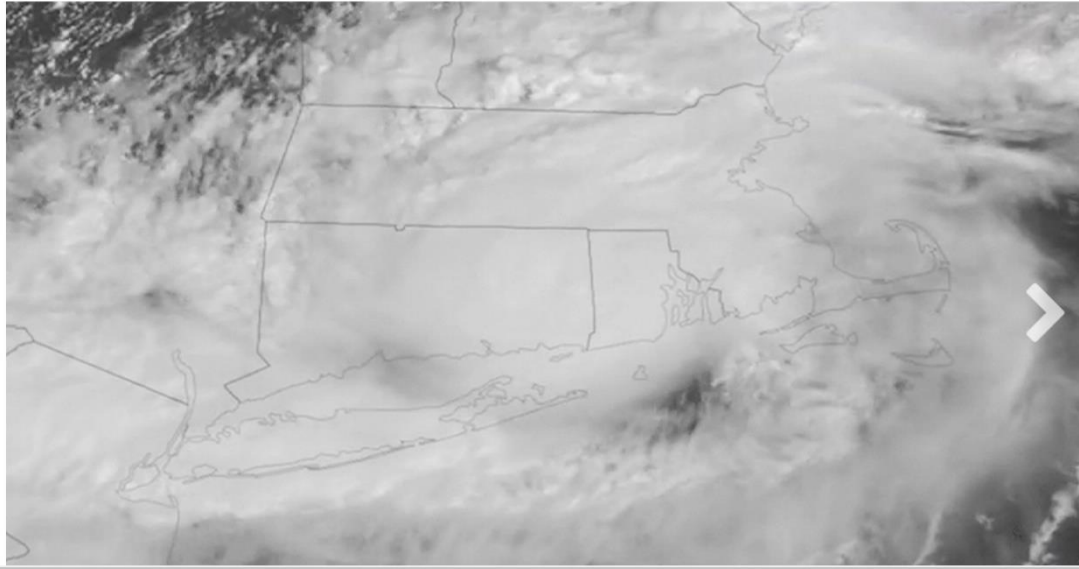


Activist Hilton Kelley began speaking out for his predominantly Black neighborhood, Port Arthur, Tex., when he got fed up “always hearing about someone dying of cancer, always smelling smells, watching little babies using nebulizers.” (David J. Phillip/AP)

Too Much

Tropical Storm Henri Hits New England

Filed Under: [Boston News](#), [News](#), [Syndicated Local](#)



The New York Times

After pummeling the New York area, Ida soaks New England.



Too Little

Potential drought conditions developing in New England

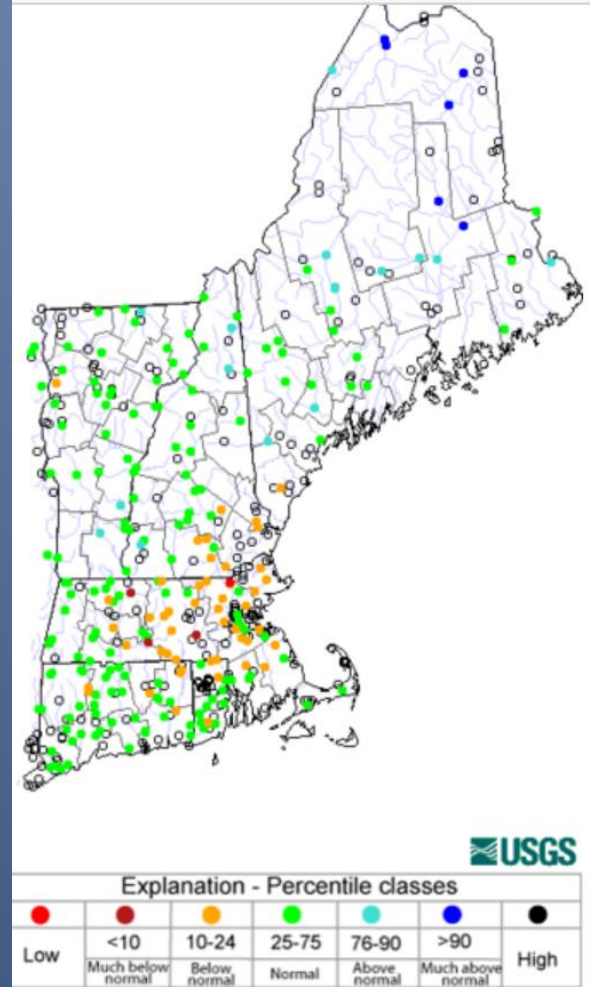


Release Date: MARCH 31, 2021

Recent surface-water, groundwater, and precipitation data indicate that drought conditions may presently be developing in parts of New England.

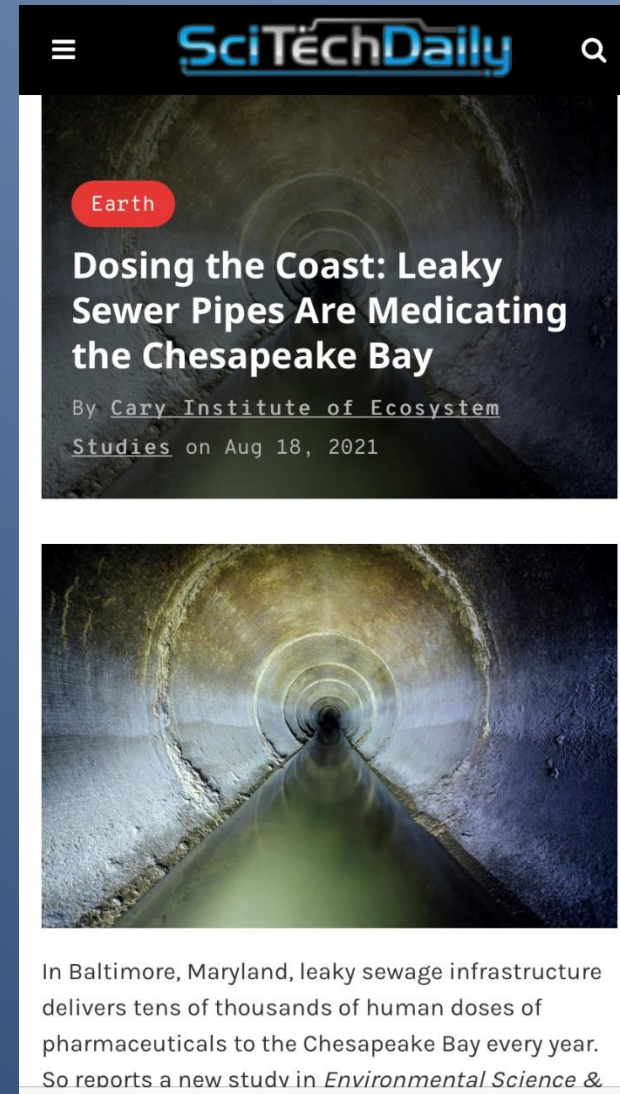
Contacts

[Matt Ely](#)



Water Contamination

- Microplastics
- Endocrine Disrupters
- Pharmaceuticals
- Amoeba – *Naegleria fowleri*
- HABs
- Heavy Metals



The screenshot shows a mobile web page from SciTechDaily. At the top, there is a navigation bar with a hamburger menu icon on the left, the SciTechDaily logo in the center, and a search icon on the right. Below the navigation bar is a large image of a sewer pipe with a red 'Earth' category tag. The article title is 'Dosing the Coast: Leaky Sewer Pipes Are Medicating the Chesapeake Bay'. The author is 'By Cary Institute of Ecosystem Studies' and the date is 'on Aug 18, 2021'. Below the article title is another image of a sewer pipe. At the bottom of the screenshot, there is a text snippet: 'In Baltimore, Maryland, leaky sewage infrastructure delivers tens of thousands of human doses of pharmaceuticals to the Chesapeake Bay every year. So reports a new study in *Environmental Science &*'.

NE & Climate Change

Here's Why Sea-Level Rise is Worse in the Northeast

May 24, 2017



SPECIAL SERIES
Environment And Energy Collaborative



The Warming Climate Is Sparking Wildfires On The East Coast

July 10, 2021 · 7:54 AM ET
Heard on Weekend Edition Saturday

ANNIE ROPEIK

FROM **nhpr**

4-Minute Listen

The warming climate is raising the risk of major wildfires almost everywhere, including in normally wet New England. Forest managers in New Hampshire are alerting residents and stepping up prevention.

PNAS

Proceedings of the
National Academy of Sciences
of the United States of America

Keyword, ...

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RESEARCH ARTICLE

Climate variability reduces employment in New England fisheries

Kimberly L. Oremus

[+ See all authors and affiliations](#)

PNAS December 26, 2019 116 (52) 26444-26449; first published December 9, 2019;
<https://doi.org/10.1073/pnas.1820154116>

Edited by Bonnie J. McCay, Rutgers University, New Brunswick, NJ, and approved November 8, 2019 (received for review November 26, 2018)

Article

Figures & SI

Info & Metrics



Fungi, Bacteria & HAIs

- Climate Mediated Adaptations (fungi)
- Antibiotic Resistance Organisms
- Antibiotics in CAFOs
- LTCs



Vectors



Vector-Borne Diseases

Climate change influences habitat and behavior

- Expanded range
- Additional reproductive days
- Increased reproductive rate, faster incubation
- Increased metabolism, leading to more feeding

Mosquitoes carry Zika, chikungunya, dengue fever, yellow fever, and West Nile virus

Disease cases from mosquito, tick, and flea bites more than tripled in the U.S. from 2004 to 2016.



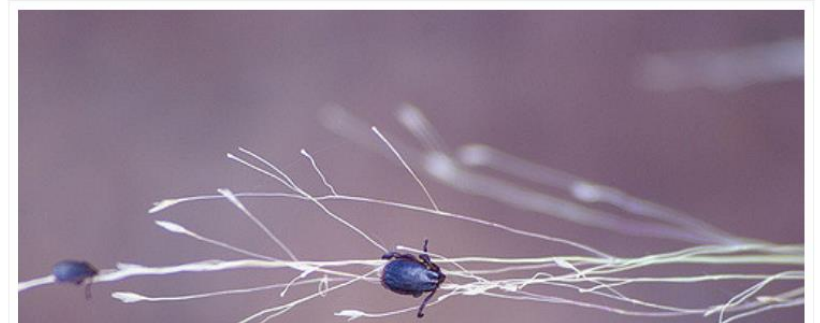
Sources: Githeko, Lindsay, Confalonieri, Patz, "Climate change and vector-borne diseases: a regional analysis" (Bulletin of the WHO, 2009) | CDC, "Zika Virus"; CDC "Vital Signs" May 2018



Preventing Lyme disease as ticks multiply during New England's longer summers

by Tom Doherty

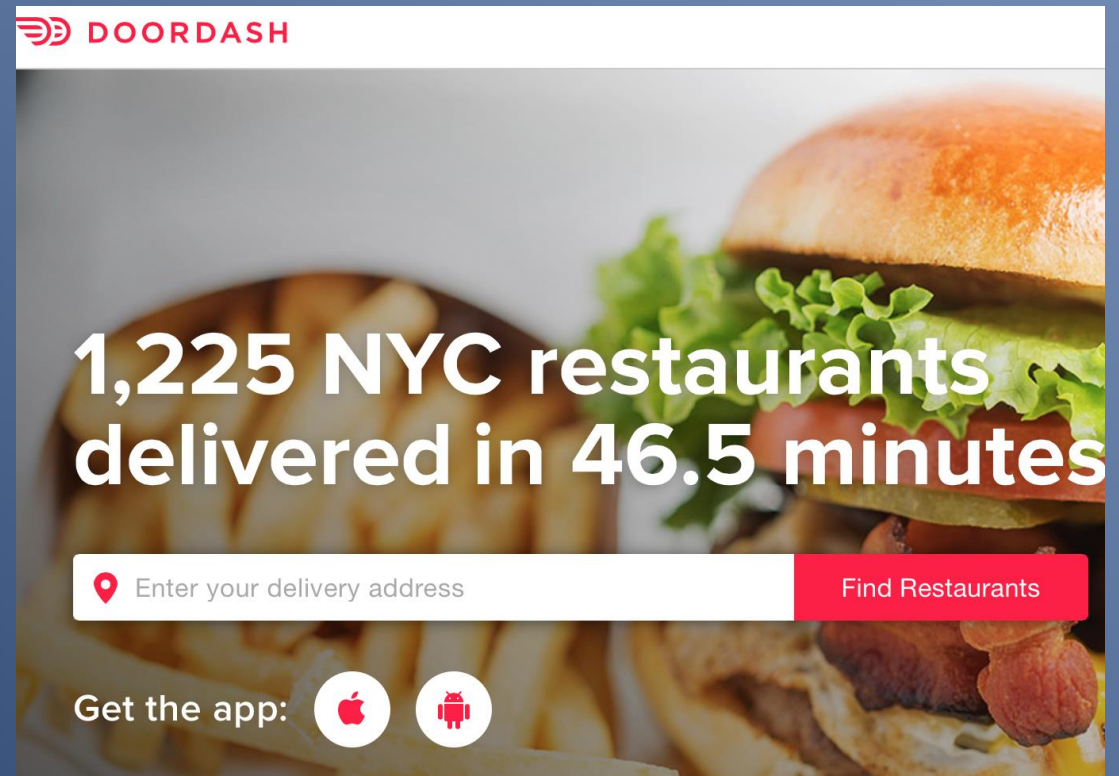
Like 10 Tweet Share 1



The manner in which we engage food

Meal Kits- Ghost Kitchens

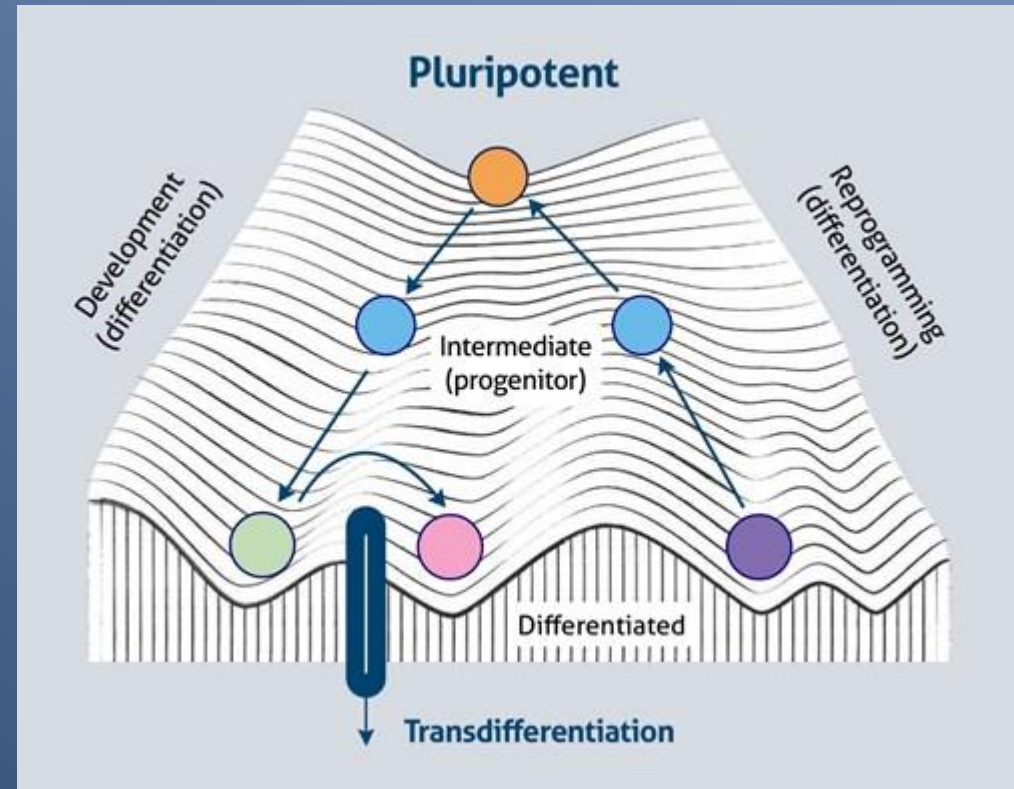
- UberEats
- Instacart
- DoorDash
- Blue Apron
- Hello Fresh
- Grubhub
- Home Chef
- Seamless
- Home Restaurants & Groceraunts



Waddington's Landscape

- Epigenetics
- Air Pollution
- Drinking Water
- Seafood
- Endocrine Disruptors

- Birth Defects
- Obesity
- Breast Cancer



Environmental Racism



‘This is environmental
racism’

How a protest in a North Carolina farming
town sparked a national movement

Funding

- Epi -78%
- Lab ~30%?
- EH ~5% -> 14%?
- EH Profoundly Local



Science Exists in a Social Context

- Principle of Reciprocation - Generosity
 - Principle of Commitment – Writing
 - Principle of Social Proof – Early adopters/positive deviants
 - Principle of Scarcity – Short Supply
 - Principle of Authority – Act like a Minister of Health
 - Principle of Unity – trusted spokesperson
- Tobacco/asbestos/lead
 - Pre-Covid-19 Vaccine Hesitancy
 - Climate Change
 - Chloroquine
 - Ivermectin
 - Masking

Source: Robert Cialdini, Ph.D.

Stories vs Data

- Identifiable Victim
- Story is Relatable
- Rule of 3 – three illustrations create a pattern





Now What for NEHA?

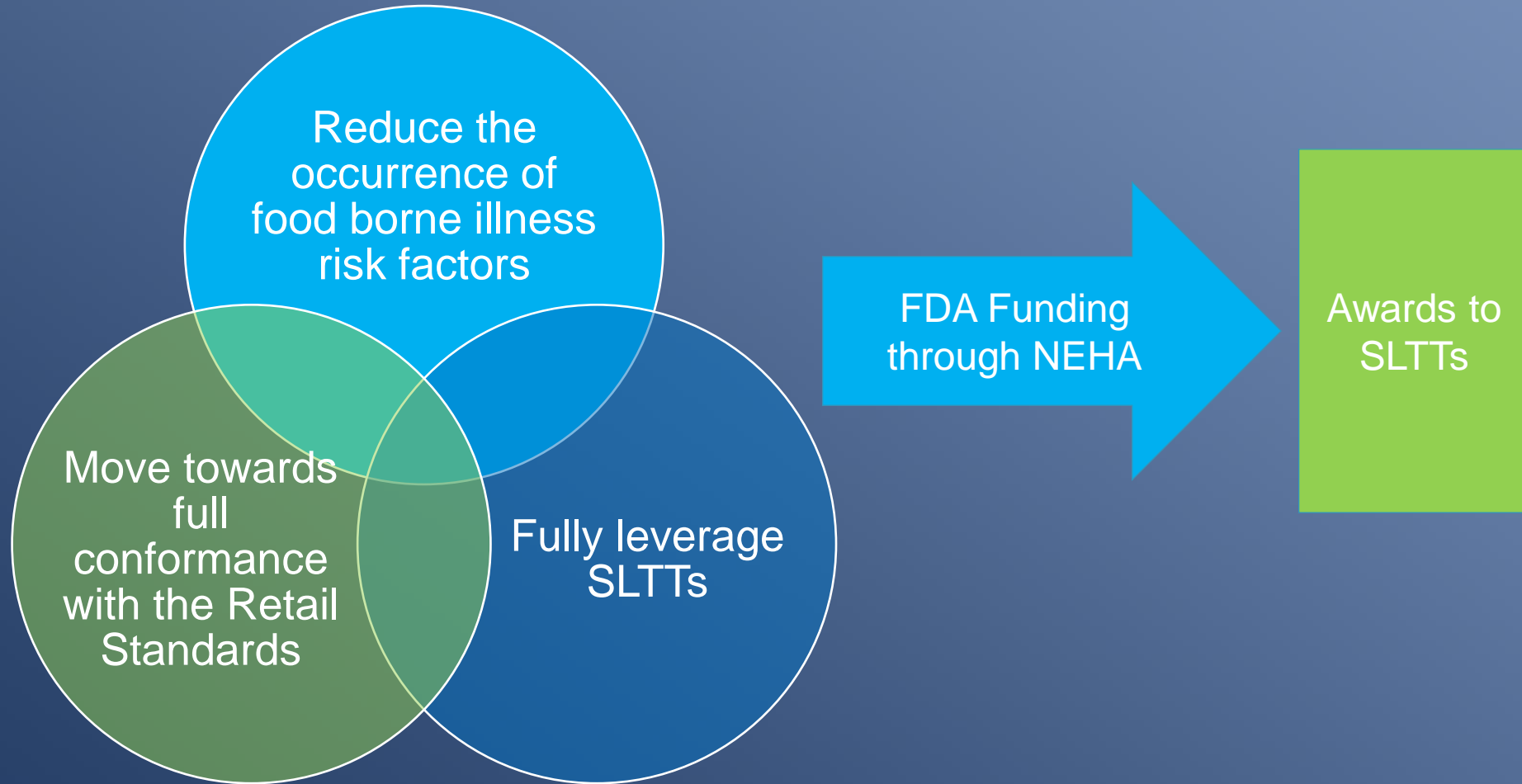
The Slug Line

NEHA - Near Future

- Retail Food Safety – RFFM & Collaborative
- New REHS Exam
- Single Login – Data Backbone
- Branding/Marketing/Communications
- Internships
- Leadership Program
- Collaboration w 24 Universities
- PHAPs – Tribes and Body Art



NEHA-FDA Retail Flexible Funding Model Grant Program



The Retail Food Safety Regulatory Association Collaborative



The Collaborative is comprised of the following associations and agencies:



ASSOCIATION OF FOOD
AND DRUG OFFICIALS



CONFERENCE FOR
FOOD PROTECTION



FOOD AND DRUG
ADMINISTRATION



NATIONAL ASSOCIATION
OF COUNTY AND CITY
HEALTH OFFICIALS



NATIONAL
ENVIRONMENTAL
HEALTH ASSOCIATION

Along with our partners at the Centers for Disease Control and Prevention.

Our work focuses on:

- A national strategy for the adoption of the latest editions of the Food Code
- Promoting and improving food safety culture
- Increasing enrollment and active participation and conformance with the Voluntary National Retail Food Regulatory Program Standards
- Improving foodborne illness outbreak investigations
- Improving food safety management systems at retail food facilities
- Enhancing effective communications and sharing of best practices among retail food protection partners

www.RetailFoodSafetyCollaborative.org

Animation – 2021 APHA Film Festival



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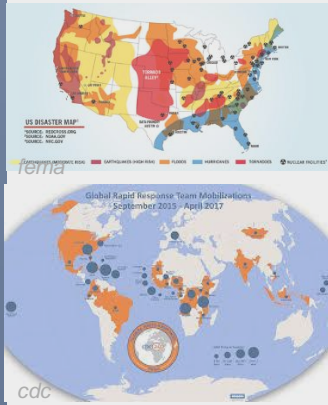
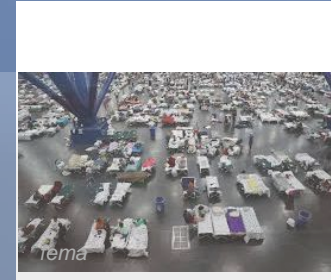
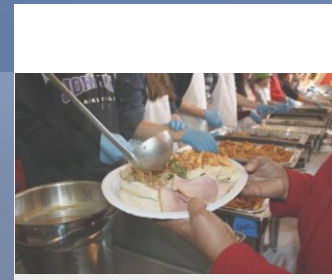
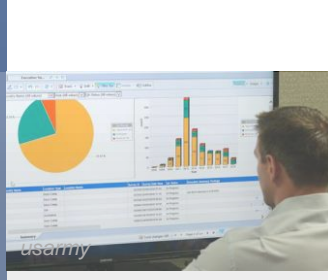
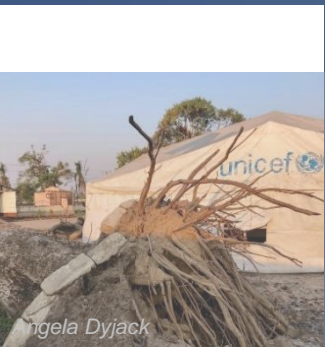
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Now What for the Profession?

The Slug Line

CLIMATE DRIVEN EP&R NEW NORMAL



Usual &
Customary

Secondary
Responders

Recovery

Data
Collection

Temporary
Food
Establishments

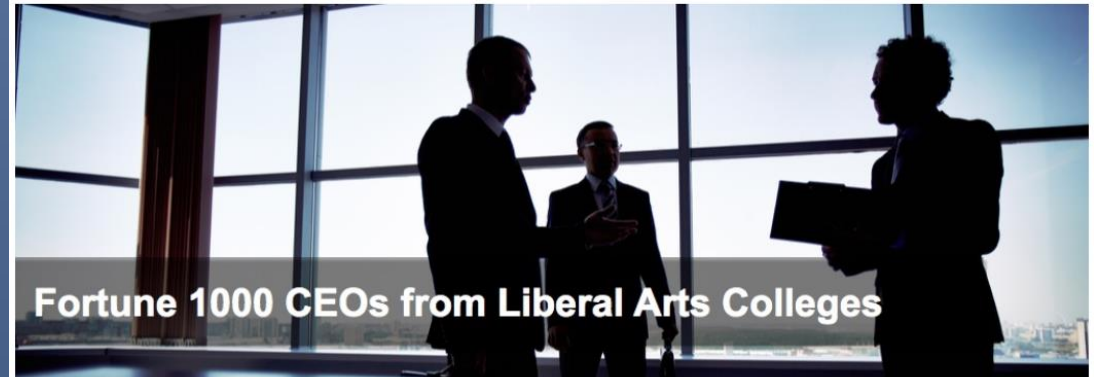
Temporary
Shelter

Strike Teams

EH as Meta Leaders

- Describe & Prescribe
- Compress Morbidity
- Hotbeds of Innovation
- Unpretentious
- Collaborative
- Take Advocacy Risks

CEOs with Liberal Arts Degrees Running the Fortune 1000



The headline is alarming—“[Is No Degree Better Than A Liberal Arts Degree?](#)”—and the facts within a study from Millennial Branding and Beyond.com which surveyed almost 3,000 hiring managers and job seekers appears to offer little encouragement for any college graduate, much less a liberal arts major.

Leadership Evolution



The Future

Roses

- Educated Workforce
- Credentialed Workforce
- Local Expertise
 - ❖ Access
 - ❖ Axis
 - ❖ Affect
- Backbone of PH System

Thorns

- Fragmented Service Delivery
- Local Administration
- The Plight of the Ordinary
- Obsession w Data
- Uneven Adoption of National Standards (e.g., MAHC & Food Code) & Practices

The Future

Nuance

- Effective Story Telling
- Hyper Local
- Seek out other sectors
- Leadership

Novel

- Climate & Health
- Portfolio
- Funding at Local Level
- Act as Meta-leaders
- National Pandemic Czar

Be Present

- Dispense with familiar grooves.
- Remain engaged.
- Accomplish what you can.
- Find new meaning in your work.
- Seek out positive relationships.
- Live for ideas, not off them.



Ikigai

- Reason for being
- Purpose in life
- Tone
- Professionalism
- Love
- Receiver
- Giver



Threats Unify Culture



Photo Credit: elearningbros.com

Herculean Effort of an Environmental Health Professional

