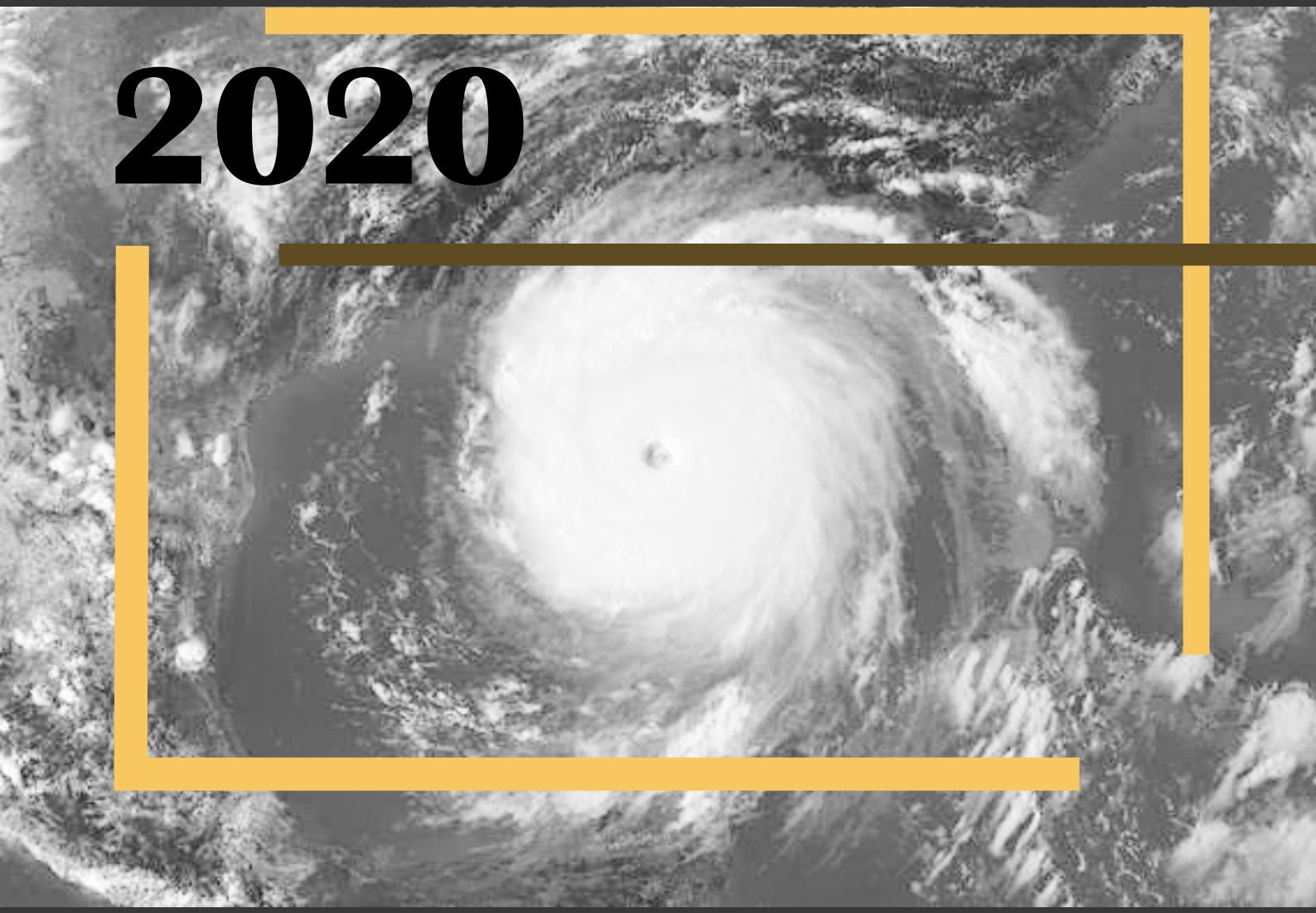
21st annual

Hurricane Season Geospatial Data Mining Workshop

NASA/UL Lafayette Regional Application Center

University of Louisiana at Lafayette

2020



REGIONAL APPLICATION CENTER

USGS science for a changing world

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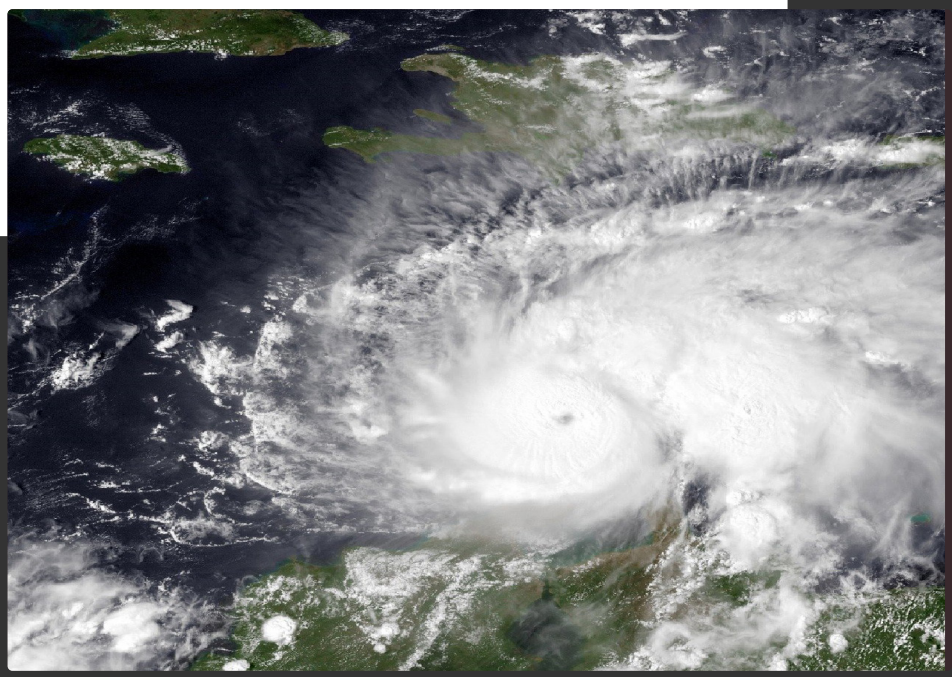
AMERICA VIEW

21 years of disaster response

Thank you for participating in our 21st annual Data Mining workshop. The workshop was held online due to the COVID19 pandemic.This year's workshop was a change from our in-person gathering; however, it helped us expand our community and allowed more people to be part of this geospatial data mining outreach. We hope this new experience prepared us for future virtual workshops and seminars while assisting each participant in preparation for the Hurricane Season of 2020.

The following virtual document has been prepared to provide you a summary and related links for all presentations we had in this workshop.



workshop coordinators

Brent Yantis is the Director of the NASA/ UL Lafayette Regional Application Center located in the Research Park of the University of Louisiana at Lafayette. He has a Bachelor's degree in Agriculture and a Master's Degree in Landscape Architecture: Landscape Ecology/GIS and Remote Sensing from Louisiana State University. He is currently a member and current Board Chair of the National AmericaView program; Director of LouisianaView; State GeoSpatial Contractor to the Louisiana Army National Guard; a member of LaURISA and a project manager for the International Charter.

Chris Cretini joined the USGS National Wetlands Research Center in 2000. He developed web and database applications to share data and to highlight integrated USGS science and partner programs across the Gulf of Mexico. In 2007 he joined the USGS National Geospatial Program and is The National Map Liaison to Arkansas, Florida, Louisiana, Puerto Rico, and the U.S. Virgin Islands. Chris is a member of the USGS Geospatial Information Response Team, which ensures that timely geospatial data are available for use by emergency responders, land and resource managers, and for scientific analysis.

Ms. Liner has been teaching college courses since 2010. She recently developed and introduced the first offering of a GIS course at the college. An active member of the Louisiana Emergency Preparedness Association (LEPA), she has also been actively involved in disaster management and has led the response to the recent COVID crisis at the River Parishes Community College campuses. Ms. Liner was deployed to 15 nationally declared disasters across the United States and shares that one of her most memorable experiences was during the BP Oil Spill.

CONTENTS

June 4th, day one of the workshop

On the first day of the workshop, we hosted Jeremy Kirkendall from NASA Earth Science, Disasters Program, and Jason Kirkpatrick from U.S. Army Corps of Engineers.

You can have access to the first day of the workshop video using the link provided.

https://youtu.be/bfOJtdoYOgA

Jeremy Kirkendall

Senior GIS Administrator,
NASA Disasters Program

Jeremy Kirkendall is the Senior GIS Administrator of the NASA Disasters Program's Mapping Portal at NASA Headquarters. He is responsible for the curation of the NASA Disasters Mapping Portal which hosts disaster-relevant research, data, and satellite imagery from across NASA as well as web applications and story maps. Jeremy has over a decade of GIS experience and a Master's in GIS Management.

Presentation title:
NASA Disasters Mapping Portal Overview

The slides are available at the link below:
https://drive.google.com/file/d/1N0A-OAJ-ll6MkxmU60owfa_qZU8WK-C2V/view?usp=sharing

Jason Kirkpatrick

Aviation and Remote Systems Program Manager

HQ, US Army Corps of Engineers (CELD)

Jason Kirkpatrick is a former military pilot of rotary wing and fixed wing transport aircraft. He is a member of the Army Acquisition Corps and a graduate of the Defense Acquisition University Program Management Level III Certification Course. He has been the Aviation and Remote Systems Program Manager for the U.S. Army Corps of Engineers since Oct 2017, and has no one to blame for this but himself. He is keenly interested in advancing the Legal, Safe, and Effective use of Unmanned Aircraft Systems by all levels of government.

Presentation title:

UAS Management Information System for Aviation & Remote Systems

The slides are available at the link below:
https://drive.google.com/file/d/12di_txBCGLQPU4KZ-wvOf3N9pPS299I5/view?usp=sharing

June 9th, day two of the workshop

On the second day of the workshop, we hosted Tim Osborn, NOAA Office of Coast Survey; David Schlotzhauer and Jonathan Brazzell, National Weather Service; Bob Capezza, USDA Natural Resources Conservation Service; and Eric Edlund, Federal Emergency Management Agency.

You can have access to the second day of the workshop video using the link provided.

https://youtu.be/f9p2GCpeofc

Tim Osborn

Central Gulf Coast Regional Navigation Manager

NOAA Office of Coast Survey

Tim oversees surveying and mapping of Gulf Coast waters, navigation channels, ports, waterways, and coordinates the NOAA OCS response activities during hurricanes and severe incidents. He participates in the planning and implementation of new programs such as densification of NOAA's tides and water level programs and installations (including PORTS, and IOOS related activities) in the Gulf of Mexico. He works with local state and coastal communities on coastal projects including restoration projects, artificial reef programs, new navigation and port installations and the surveying and mapping of marine debris.

Presentation title:

NOAA Hurricane Season Update

The slides are available at the link below:
https://drive.google.com/file/d/1AWK4gZpGhpgk3DOCzsn-_RfaWUNG73gV/view?usp=sharing

David Schlotzhauer

Hydrologist

Lower Mississippi River Forecast Center

David Schlotzhauer has been a Hydrologist at the National Weather Service's Lower Mississippi River Forecast Center (LMRFC) since 2010. His primary responsibility is forecasting river stages at any of the 240+ forecast locations within the area. Secondary duties that support the forecasting role include geospatial analysis and programming. Prior to the NWS, he was an Emergency Planner for the Louisiana Governor's Office of Homeland Security and Emergency Management. Mr. Schlotzhauer has bachelor's degrees in Life Sciences and Geological Engineering from the Missouri University of Science and Technology and a master's degree in Operational Meteorology from Mississippi State University.

Presentation title:

NWS Geospatial Data...Old and New

The slides are available at the link below:
https://drive.google.com/file/d/1jxfXZ0DizIqw6nT3swwzS1zbKe76K-DV-/view?usp=sharing

Jonathan Brazzell

Service Hydrologist

National Weather Service

Jonathan Brazzell is the Service Hydrologist at the NOAA/ National Weather Service Forecast Office in Lake Charles Louisiana. In this capacity, he manages the office's hydrologic forecasting program, which issues water level and flood forecasts across 22 counties and parishes in southeast Texas, southwest and central Louisiana. Jonathan has been with the National Weather Service for 22 years and has been stationed in Grand Forks, North Dakota as a Weather Forecaster, then in San Angelo Texas as a Senior Forecaster before moving into his current position at Lake Charles in 2007.

Presentation title:

NWS Geospatial Data...Old and New

Bob Capezza

GIS Specialist

U.S. Department of Agriculture / Natural Resources Conservation Service

Bob Capezza grew up in Slidell, Louisiana and attended LSU in Baton Rouge, receiving his B.S. degree in Geography. Bob has approximately 25 years experience in GIS, working in various states such as South Carolina, Texas, and Louisiana. For the past 16 years, he has been living in Alexandria, LA with his wife and 2 kids. His interests include listening to podcasts, biking, and spending time with his family.

Presentation title:

USDA Soil Survey Products and GIS Tools

The slides are available at the link below:
https://drive.google.com/file/d/1P6Ya5HufGqXbByCyFYSTCaseKnsczi1Z/view?usp=sharing

Eric Edlund

Emergency Management Specialist (Geospatial)

Federal Emergency Management Agency
Department of Homeland Security
Geospatial Response Team – Washington, D.C.

Eric Edlund is presently teleworking from his permanent home in Missoula, Montana to the Response Geospatial Office at FEMA Headquarters in Washington, D.C. Eric's FEMA career began with several field deployments over the past 2 years (including Hurricanes Harvey and Michael) as a Local Hire and Reservist GIS Specialist/ Manager. His background includes teaching geography (University of Montana, UC Berkeley and Sonoma State University) and working in environmental science GIS and data analysis. When not working, he enjoys hiking, biking, Polynesian style outrigger canoe paddling, and visiting natural history museums.

Presentation title:

The FEMA Geospatial Deployment Process

The slides are available at the link below:
https://drive.google.com/file/d/1R62MH-cFaS5kUoBWIW14cZHKshzJi4kT/view?usp=sharing

June 10th, day three of the workshop

On the third day of the workshop, we hosted Mike Budde, Dean Mierau, and Brenda Ellis, USGS EROS Data Center; Jim Mitchell, Brad Doucet, and Darryl Mack, LA Department of Transportation and Development; Penelope Weinberger, American Association of State Highway and Transportation Officials; and Chris Cretini, USGS National Geospatial Program.

You can have access to the third day of the workshop video using the link provided.

https://youtu.be/imBtzYIppCs

Michael Budde

Geographer
United States Geological Survey
Earth Resources Observation & Science Center

Mike Budde is a geographer in the Science and Applications Branch at the USGS Earth Resources Observation and Science Center in Sioux Falls, SD. His primary responsibility is acting as the technical lead on the Famine Early Warning Systems Network (FEWS NET) project. FEWS NET is a USAID-funded project that specializes in remote and field-based monitoring of crop and pastoral conditions. In addition to FEWS NET responsibilities, Budde acts as the USGS Liaison to the International Charter Space and Major Disasters. As an Executive Secretariat member and US Authorized User he can activate the Charter on behalf of emergency managers in the US and other countries as necessary.

Presentation title:

The International Charter Space and Major Disasters - satellite data for disaster response worldwide.

The slides are available at the link below:
https://drive.google.com/file/d/1oH15Vw0Ls3MjH5J_wKM24de-F30DGoqJ/view?usp=sharing

Dean Mierau *Brenda Ellis*

Emergency Operations Coordinator

United States Geological Survey

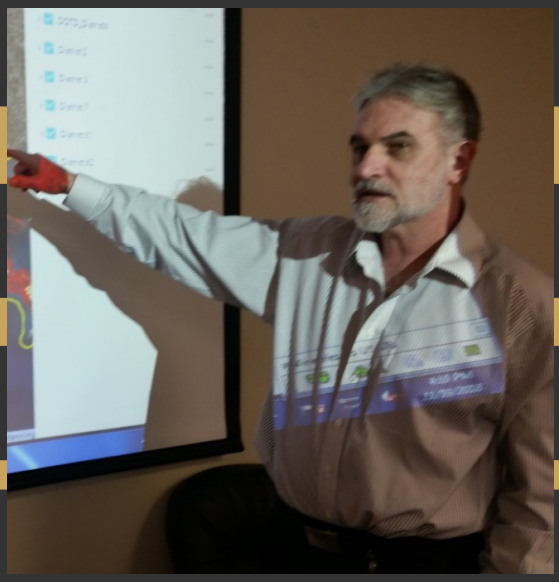
Earth Resources Observation & Science Center

Dean Mierau, a native of Rushford, Minnesota, graduated from Winona State University in 1996 with a degree in Hydrogeology and later attended graduate school at Saint Mary's University and graduated with a Master of Science Degree in Resource Analysis. He also attended Reserve Officer Training Corps (ROTC) and was commissioned as Information Warfare Officer. He spent 5 years teaching GIS/Remote Sensing at Saint Mary's University. After 911, he went on active duty until 2013, when he took a job with the Air Force as their Geospatial Information Officer at Minot ND Air Force Base. Spent 3 years in balmy Minot before joining EROS and is currently the Emergency Operations Liaison.

Presentation title:

USGS Earth Resources Observation Science Center (EROS) Emergency Operations

The slides are available at the link below:
https://drive.google.com/file/d/1G4L4z6GcDW453q_EJE7hmdhSujEplZ0g/view?usp=sharing



Jim Mitchell

IT Statewide Program Officer – GIS

LA Department of Transportation & Development

James E. Mitchell has BS Bio Sci; UC Irvine; 1978, MS Biology, Univ Michigan; 1981, PhD Water Resources Modeling, Duke Univ; 1991. He was Hydrologic Data Man, KS Geol Survey, Univ KS, 1990-1994, IS Man Cons, LA DNR, 1994, Asst Prof Env Plan & Man, LSU Inst for Env Studies, 1995-2001, IT GIS Manager, LADOTD, 2001- 2014, IT Statewide Program Officer, and LA DOA-Office of Technology Services, 2014- present.

Presentation title:

Modeling the Spatial Pattern of Community Transmission of Coronavirus/COVID-19 from Hot Spot Workplaces to Home, Using CTPP Data

Penelope Weinberger

Transportation Data Program Manager

American Association of State Highway Transportation Officials

Penelope Weinberger is AASHTO's Transportation Data Programs Manager. She is the liaison to the Committee on Data Management and Analytics and runs the Census Transportation Planning Products Program. She has been with AASHTO over 10 years, and was previously with the Texas Transportation Institute and Cambridge Systematics. Educated at University of Illinois, Chicago, and by life, she is an avid contra dancer, cyclist, and bridge player.

Presentation title:

Modeling the Spatial Pattern of Community Transmission of Coronavirus/COVID-19 from Hot Spot Workplaces to Home, Using CTPP Data

Darryl Mack

Brad Doucet

LA Department of Transportation and Development

Presentation title:

LA DOTD Open Data Portal

The slides are available at the link below:

https://drive.google.com/file/d/1LmaqnE8mujuZxj8GigEcDeFLayzcaxci/view?usp=sharing

Chris Cretini

National Map Liaison - AR, FL, LA, PR, USVI

U.S. Geological Survey

Chris Cretini joined the USGS National Wetlands Research Center in 2000. As a member of the Spatial Analysis Branch he developed web and database applications to share data and to highlight integrated USGS science and partner programs across the Gulf of Mexico. In 2007 he joined the USGS National Geospatial Program and is The National Map Liaison to Arkansas, Florida, Louisiana, Puerto Rico, and the U.S. Virgin Islands. He works to develop data acquisition and stewardship agreements to ensure the availability of common base data to a broad range of users and applications. Chris is a member of the USGS Geospa-tial Information Response Team, which ensures that timely geospatial data are available for use by emergency responders, land and resource managers, and for scientific analysis.

Presentation title:

Louisiana Lidar Update and The National Map Resources

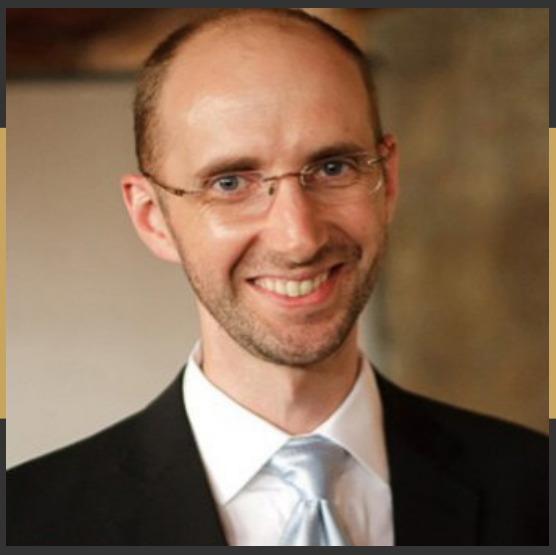
The slides are available at the link below:
https://drive.google.com/file/
d/11wj5MMsyA_rvCzxusxL_8gY2bUJWbW4c/view?usp=sharing

June 11th, day four of the workshop

On the last day of the workshop, we hosted Austin Dixon, LA Governor's Office of Homeland Security and Emergency Preparedness; Andy Venuto, LA Division of Administration; Andrew Berens and Lee Mendoza, Bureau of Health Informatics, Office of Public Health (LDH); Lynn Dupont, Orleans Regional Planning Commission; Kathrine Cargo, Orleans Parish Communication District; and Laurie Bridgers, Cajun Navy.

You can have access to the fourth day of the workshop video using the link provided.

https://youtu.be/kuMfV1b4rDY



Austin Dixon *Andy Venuto*

WebEOC Administrator

LA Governor's Office of Homeland Security and Emergency Preparedness

Division of Administration

For the last five years, Austin has served the public as a WebEOC Administrator and member of the Crisis Action Team at the Louisiana Governor's Office of Homeland Security & Emergency Preparedness (GOHSEP). He has taken on increasing GIS responsibilities in the last six months, including the development of dashboards, maps, and infographics in response to the Coronavirus public health emergency as well as planning improvements to present and future GIS services offered by GOHSEP.

Andy Venuto joined us as co-presenter on the last day of the workshop.

Presentation title:

New GIS Initiatives at GOHSEP

The slides are available at the link below:

https://drive.google.com/file/d/1waMbDRrpSxKllp8J7zvNUVQCljB2oxFO/view?usp=sharing

Andrew Berens *Lee Mendoza*

Bureau of Health Informatics
Office of Public Health, LDH

Andrew S. Berens, MS GISP manages the Louisiana Hospital Inpatient Discharge Database for the Louisiana Department of Health's (LDH) Bureau of Health Informatics, where he works as a population health and geospatial analyst. During the COVID-19 response Andrew has maintained the public information dashboard and assisted in geographic data management for LDH. Before coming to Louisiana Andrew worked for three years as a geospatial analyst at the Geospatial Research, Analysis, and Services Program at the US Centers for Disease Control and Prevention/Agency for Toxic Substance and Disease Registry.
Lee Mendoza joined us as co-presenter on the last day of the workshop.

Presentation title:
Louisiana Department of Health (LDH) Geospatial Resources

The slides are available at the link below:
https://drive.google.com/file/d/1GorEHvk9i6MpXr6pYogELE70oGPbVHQ5/view?usp=sharing

Lynn E. Dupont

Principal Planner/GIS Manager / Licensed Landscape Architect
Regional Planning Commission

Lynn Dupont earned a Bachelor of Landscape Architecture from the University of Georgia, and a Master of Urban and Regional Planning from the University of New Orleans after also completing the GIS and Remote Sensing Geography Master coursework. After many years in physical design in Virginia Beach, Charlotte and New Orleans, she worked in imagery analysis at NASA's Stennis Space Center. For the past 20 years she has been employed at the Regional Planning Commission in New Orleans as Principal Planner and GIS Manager. Her emphasis has been in working with state and federal agencies in procuring usable data for local use. She is the Louisiana GIS Council representative for planning districts,thepast-president of LA URISA(twice), and a current member of the board of directors for International URISA. She is a licensed landscape architect,GISP, andadjunct faculty at the University of New Orleans teaching Mapping and GIS.

Presentation title:

Louisiana Department of Health (LDH) Geospatial Resources

The slides are available at the link below:
https://drive.google.com/file/d/1dkWVoUyd4FnYYrLsdYKv8iOdVKbN-_o5/view?usp=sharing

Kathrine Cargo

GIS Analyst
Orleans Parish Communication District

Kathrine Cargo is a GIS Analyst for the Orleans Parish Communication District, the 9-1-1 Administrators of New Orleans 9-1-1. Prior to working in 9-1-1, Kathrine spent six years in public service working as a Planning Administrator and GIS Project Manager for the New Orleans City Planning Commission, and ten years in private industry working for a surveying/mapping company. Kathrine holds a Master's Degree in Urban and Regional Planning and a Bachelor's Degree in Geography, both from the University of New Orleans. Kathrine is the past President of Urban and Regional Information Systems Association (URISA) International, a charter member of the Louisiana Chapter of URISA, a founding member and past Chairperson of the URISA NG 9-1-1 Task Force, a member of the National Emergency Numbering Association and APCO, and serves as Chairperson of the Louisiana GIS Council. She is a certified Geographic Information System Professional (GISP).

Presentation title:

Data Resources in Next Generation 9-1-1

The slides are available at the link below:
https://drive.google.com/file/d/1v_qlz8J1T5ofPLYg8QdsXrORedw46wm4/view?usp=sharing

Laurie Bridgers

Vice President

Cajun Navy

Presentation title:

Cajun Navy Overview

The slides are available at the link below:
https://pinnaclesar.org/

Life Beyond Brisket

Truly the calm … before the storm!

We hope you enjoy the view


Please See RN
Before
Entering
Thank You


RAGIN'
CAJUNS

Workshop Resource Links

For your referral:

NASA

NASA Earth Science Disasters Program
https://maps.disasters.nasa.gov

Portal Questions: HQ-Disasters-GIS@mail.nasa.gov

Request Disaster Support: HQ-Disasters-EM@mail.nasa.gov

NASA Products for Tropical Storms Amanda/Cristobal
https://maps.disasters.nasa.gov/arcgis/apps/MinimalGallery/index.html?appid=078b459f72c14f90b563ba6ae70be7f3

Disasters Data Pathfinder
https://earthdata.nasa.gov/learn/pathfinders/disasters

Improving Hurricane Forecasts with Near Real-Time Imagery and Data
https://earthdata.nasa.gov/learn/articles/hurricane-forecasts-nrt-data

USACE

Unmanned Aircraft System (UAS) Program Startup Guide: HQAviation@usace.army.mil

Louisiana Emergency Preparedness Association

https://lepa.org/

NOAA

NOAA Hurricane StormTide
http://www.nhc.noaa.gov/surge/Hurricane Ike Slosh Model Runs

http://www.nhc.noaa.gov/surge/HistoricalRuns/?large&parm=2008_ike#contents

NOAA Sentinel Site Program
https://oceanservice.noaa.gov/sentinelsites/locations.html

Tides and Currents: https://tidesandcurrents.noaa.gov/

Sea Level Trends
https://tidesandcurrents.noaa.gov/sltrends/sltrends.html

Mean Sea Level Trend, Grand Isle, LA
http://www.tidesandcurrents.noaa.gov/sltrends/sltrends_station.shtml?stnid=8761724

Emergency Response Imagery: https://storms.ngs.noaa.gov/

Post Hurricane Isaac Assessment
http://www.slfpae.com/presentations/2012%2011%2015%20-%20USACE%20Post-Hurricane%20Isaac%20Assessment.pdf

VDatum: https://vdatum.noaa.gov/vdatumweb/

National Weather Service

http://www.weather.gov/gis

NWS GIS Portal: http://www.weather.gov/gis/

Advanced Hydrologic Prediction Service (AHPS)
http://water.weather.gov

AHPS: Downloads: http://water.weather.gov/ahps/download.php

Rainfall Ensemble Hydrologic river forecast
https://www.weather.gov/source/abrfc/RawModel/

Observed Daily Precipitation Estimates
http://water.weather.gov/precip/

Weather Prediction Center (WPC): http://www.wpc.ncep.noaa.gov/

WPC: Excessive Rainfall Forecasts
http://www.wpc.ncep.noaa.gov/qpf/excess_rain.shtml

WPC: Probabilistic Precipitation Forecasts
http://www.wpc.ncep.noaa.gov/pqpf/conus_hpc_pqpf.php

WPC: Significant River Flood Outlook
http://www.wpc.ncep.noaa.gov/nationalfloodoutlook/index.html

WPC: Significant Weather Graphics
http://www.wpc.ncep.noaa.gov/national_forecast/natfcst.php

HDSC: Rainfall Frequency
http://hdsc.nws.noaa.gov/hdsc/pfds/pfds_gis.html

NDFD: Mosaic of NWS Forecasts
http://graphical.weather.gov/ http://digital.weather.gov/

National Hurricane Center
http://www.nhc.noaa.gov http://www.nhc.noaa.gov/gis/

NHC: Probabilistic Storm Surge
http://slosh.nws.noaa.gov/psurge2.0/
http://www.nhc.noaa.gov/surge/psurge.php

NHC Storm Surge Inundation Graphics
http://www.nhc.noaa.gov/surge/inundation/

Hurricane Products: https://www.weather.gov/gis/WebServices

Extra-Tropical Storm Surge Guidance: http://slosh.nws.noaa.gov/etss/

Probabilistic Extra-Tropical Storm Surge Guidance
https://slosh.nws.noaa.gov/petss/index.php?glat=All&display=0&type=e10&base=-Ocean_Base map&datm=datum&sorc=mean

HURREVAC: http://www.hurrevac.com/

NWS Enhanced Data Display: http://preview.weather.gov/edd/

Flash Flood Analysis: http://flash.ou.edu/new or flash.ou.edu

National Water Model: http://water.noaa.gov

River forecast center data
https://noaa.maps.arcgis.com/apps/MapSeries/index.html?appid=ed-433140c2a24b67aa9f19d2e3ea1977
https://www.weather.gov/wgrfc/quick_briefing

InFRM information: https://webapps.usgs.gov/infrm/

Flood Maps: https://webapps.usgs.gov/infrm/fdst/

Conversion and Transformation Tool (NCAT)
https://www.ngs.noaa.gov/web_services/ncat/index.shtml

USDA Natural Resources Conservation Service

Soil Survey Background
https://www.nrcs.usda.gov/wps/portal/nrcs/detailfull/national/home/?cid=nrcs142p2_053369

Louisiana Historical Soil Surveys
https://www.nrcs.usda.gov/wps/portal/nrcs/surveylist/soils/survey/state/?stateId=LA

Web Soil Survey Homepage
https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx

Gridded Soil Survey Geographic (gSSURGO) Database
https://www.nrcs.usda.gov/wps/portal/nrcs/detail/national/home/?cid=nrcs142p2_053628

Gridded Soil Survey Geographic (gSSURGO) Database Fact Sheet
https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052164.pdf

Gridded Soil Survey Geographic (gSSURGO) Database Metadata
https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/survey/geo/?cid=nrcs142p2_053631

Geospatial Data Gateway: https://datagateway.nrcs.usda.gov/

Geospatial Data Gateway Direct Data Portal Link
https://gdg.sc.egov.usda.gov/GDGHome_DirectDownLoad.aspx

gSSURGO Louisiana Download
https://nrcs.app.box.com/v/soils/file/562296233679

Soil Data Development Toolbox zip link
https://www.nrcs.usda.gov/wps/PA_NRCSConsumption/download?cid=nrcse-prd1496615&ext=zip

gSSURGO Devlopment Toolbox User Guide
https://www.nrcs.usda.gov/wps/PA_NRCSConsumption/download?cid=nrcse-prd362255&ext=pdf

gSSURGO Mapping Quick Guide
https://www.nrcs.usda.gov/wps/PA_NRCSConsumption/download?cid=nrcse-prd427806&ext=pdf

Soil Web Homepage: https://casoilresource.lawr.ucdavis.edu/gmap/

USDA -NRCS Soils HomePage
https://www.nrcs.usda.gov/wps/portal/nrcs/site/soils/home/

FEMA

Incident Journals
https://disasters.geoplatform.gov/
https://fema.maps.arcgis.com/

Prioritization Operations Support Tool: FEMA-MacMaps@fema.dhs.gov

Community Lifelines: https://www.fema.gov/lifelines

Homeland Security Information Network
https://www.dhs.gov/homeland-security-information-network-hsin

USGS

The International Charter Video Overview
https://www.youtube.com/watch?v=ZvExM-Z3E2w

Hazards Data Distribution System (HDDS): https://hddsexplorer.usgs.gov

Collection Management Tool (CMT): http://cmt.usgs.gov/

The National Map
https://nationalmap.gov

National Map Liaison Contacts
https://www.usgs.gov/core-science-systems/ngp/user-engagement-office/connect

TNM Download Application
https://viewer.nationalmap.gov/basic/

TNM Advanced Viewer
https://viewer.nationalmap.gov/advanced-viewer/

TNM Service Endpoints: https://viewer.nationalmap.gov/services/

3D Elevation Program: https://nationalmap.gov/3DEP/

3DEP Lidar Explorer
https://prd-tnm.s3.amazonaws.com/LidarExplorer/index.html#/

US Topo: https://nationalmap.gov/ustopo/

TNM Training Videos: https://www.usgs.gov/NGPvideos

National Map Help: tnm_help@usgs.gov

Louisiana Department of Transportation and Development / American Association of State Highway and Transportation Officials(AASHTO)

Census Transportation Planning Products Program (CTPP)
https://ctpp.transportation.org/

LA Department of Transportation and Development Open Data Portal
https://data-ladotd.opendata.arcgis.com/

LA DOTD Imagery Service.lyr
ftp://gisweb.dotd.la.gov/planning/LouisianaImagery/

LA Governor's Office of Homeland Security and Emergency Preparedness

https://gohsep.la.gov/

Virtual Louisiana 2: http://gohsep.la.gov/resources/VL2

WebEOC: https://gohsep.la.gov/RESPOND/REQUEST-RESOURCES/WEB-EOC

ArcGIS Online Portal: https://gohsep.maps.arcgis.com

Louisiana Department of Health

COVID-19: http://ldh.la.gov/Coronavirus/

Combined COVID Reporting
https://www.arcgis.com/home/user.html?user=aberens_ladhh

New Orleans Regional Planning Commission

TIGER/Line Shapefiles
https://www.census.gov/geographies/mapping-files/time-series/geo/tiger-line-file.html

Explore Census Data: https://data.census.gov/cedsci/

Using American Community Survey Estimates and Margins of Error
https://www.census.gov/content/dam/Census/programs-surveys/acs/guidance/training-presentations/20170419_MOE.pdf

Determining Tables
https://www2.census.gov/programs-surveys/acs/summary_file/2018/documentation/tech_docs/

Understanding Attributes
https://www.census.gov/programs-surveys/acs/technical-documentation/summary-file-documentation.html

Summary File Documentation
https://www.census.gov/programs-surveys/acs/technical-documentation/summary-file-documentation.html

Regional Planning Commission Public Layers
https://norpc.maps.arcgis.com/apps/webappviewer/index.html?id=ce893f2bbebb-411fa9825a4cc0703079

OrleansParishCommunicationDistrict

NG9-1-1 GIS Data Model
https://www.nena.org/page/NG911GISDataModel

Louisiana Spatial Data Infrastructure
www.lgisc.org/documents/lsdi/

Louisiana GIS Council
http://www.lgisc.org/

CajunNavy

https://pinnaclesar.org/

We do this workshop and provide this information in an easy to use format just for you!

Now we ask that you do something for us!

Please take just a moment and help us improve our future workshops by participating in our survey

https://www.surveymonkey.com/r/YFRGCW3

Thank you for attending the *21st annual* Hurricane Season Geospatial Data Mining Workshop

A Note from the Coordination Team:

On behalf of the team hosting this year's 21st Annual workshop, I want to thank all of our speakers and those participating in the workshop. Without each of you this workshop and the successful response effort that is put forth each year during disaster events would not be possible.
GeoSpatial First Responders are the silent heroes battling on the front lines for data acquisition, development, product deployment and analysis for each disaster event.
Because of all your combined talent our response to these disasters gets quicker, more effective, more productive and more connected as we move forward. Keep up the great work, keep moving forward and we will be ready for the next disaster event.
Afterall, its not whether we will get another event, it is just where will it occur!
An informed network of geospatial first responders spanning the region - across the states, the Gulf, the Caribbean and all surrounding areas will always be our best defense.
Thank you again and we look forward to "seeing" each of you next year, whether face-to-face or in the virtual world. Until then, like you, we will await the next "Events" arrival.

All the best,
R. Brent Yantis