



*Deepwater Horizon :
Recherche d'éléments techniques,
participation à des colloques et
interrogations d'acteurs*

Journées Techniques du *Cedre*

17 novembre 2011

Brest

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FOCALISATION

Contexte : « *Retour d'expérience Deepwater Horizon* »

• Types de sources analogues à celles de la VT :

– Support papier :

- Revue presse quotidienne (Cf. présentation InfoDoc)
- Périodiques spécialisés (OSIR, etc.)
- Recueils conférences (opérationnels, acteurs de la lutte)
- Rapports, officiels (autorités) ou partie responsable ; ex :
 - *National Commission on the BP Deepwater Horizon Oil Spill and Offshore Drilling*
 - *Deepwater Horizon Containment and Response: Harnessing Capabilities and Lessons Learned* (BP)
 - *On Scene Coordinator Report Deepwater Horizon Oil Spill... +++*

– Ressources *Internet*, presse + ciblage sites spécialisés :

- Autorités/agences en charge de la lutte
- Partie responsable

Recherche documentaire

• Particularités *Deepwater Horizon* :

- A l'image de la réponse et moyens mobilisés :

Multiplicité des thèmes renseignés (organisation, stratégies de lutte, suivis environnementaux, ...)

X

Profusion de l'information par thème

X

Grande diversité des sources (+/- généralistes/spécialisés)

X

Potentiel Internet (richesse et actualisation des sites dédiés)

= **masse d'information inhabituelle**

- Dans la durée... 18 mois + tard : les retours techniques se poursuivent



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Recherche documentaire

• Particularités *Deepwater Horizon* :

- Collecte/analyse : impose le classement d'une documentation volumineuse en attente de traitement (ex : compilation d'env. 500 pages d'une sélection d'articles de presse) ;
- Sites dédiés : une « navigation » complexe
 - Mises à jour permanentes
 - Rubriques, sous rubriques, liens...



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Département du Commerce (NOAA)



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NOAA - National Oceanic and Atmospheric Administration - Deepwater Horizon Archive - Mozilla Firefox

Fichier Édition Affichage Historique Marque-pages Outils ?

http://www.noaa.gov/deepwaterhorizon/

Les plus visités Ifremer Ifremer IncidentNews

Google Rechercher Partager Mes favoris Orthographe Traduire Saisie automatique

Mailing List : NOAA Gulf Spill Resto... NOAA : Update Your Profile NOAA - National Oceanic and Atm... NOAA - National Oceanic and Atm...



NOAA NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

UNITED STATES DEPARTMENT OF COMMERCE

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- » Home
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- » NOAA Ships, Planes & Assets
- » NOAA People
- » Publications & Fact Sheets
- » Education
- » News Archive
- » Meetings Archive
- » Video & Image Archive



NOAA DEEPWATER HORIZON ARCHIVE

HOME

As the nation's experts on oceanic and atmospheric science and the lead science agency for oil spills, NOAA was on the scene of the Deepwater Horizon incident since the earliest moments of the crisis. Our scientists used data from satellites, aircraft, ships, buoys, and gliders to collect and provide mission-critical information to guide the emergency response and now the long-term restoration of the Gulf Coast. Much of that information is now centralized on this website, including daily weather and oil trajectory forecasts, emergency fisheries closure and reopening maps, mission reports, and much more.

The Deepwater Horizon Archive is designed for many users, from scientists and researchers seeking [data](#) to citizens wanting to [learn more](#) about the spill's impact on the Gulf.

Gulf Science Monitor

Sharing Science from the Gulf Oil Spill Response

[CLICK HERE TO JOIN OUR MAILING LIST](#)

Issue 8: December 17, 2010

Headlines:

- » Unified Area Command releases report on oil monitoring data and analyses
- » NOAA deploys new electronic data collection system aboard

NRDA Webisode



Assessing the Damage, Restoring the Coast

NOAA has more than twenty years of experience restoring wildlife and habitats impacted

Seafood Safety



Tuesday, April 19, 2011: The last area in federal waters closed to fishing due to the oil spill reopens. (See map above).

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http://www.noaa.gov/deepwaterhorizon/

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BP Oil Spill : NOAA Gulf Spill Restoration - Mozilla Firefox


Fichier Édition Affichage Historique Marque-pages Outils ?

http://www.gulfspillrestoration.noaa.gov/oil-spill/

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BP Oil Spill : NOAA Gulf Spill Rest... Volunteer Opportunities : NOAA Gu...



NOAA

GULF SPILL RESTORATION
DAMAGE ASSESSMENT, REMEDIATION, AND RESTORATION PROGRAM

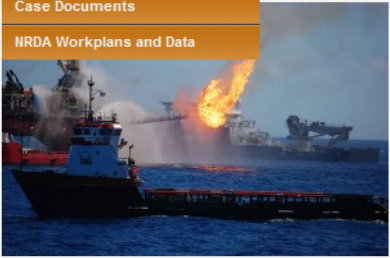
HOME ABOUT US DAMAGE ASSESSMENT **BP OIL SPILL** RESTORATION WHAT YOU CAN DO NEWS & MEDIA Search Here

- Affected Gulf Resources
- Restoration in the Gulf
- Frequently Asked Questions
- Links
- Case Documents
- NRDA Workplans and Data

BP Oil Spill

About the Deepwater Horizon Oil Spill

On April 20, 2010, an explosion on the Deepwater Horizon MC252 drilling platform in the Gulf of Mexico caused the rig to sink and oil began leaking into the Gulf. Before it was finally capped in mid-July, almost 5 million barrels of oil were released into the Gulf. The magnitude of this spill is something our nation has not seen before, causing significant impacts to wildlife and the fishing community along the large coastal areas of Louisiana, Mississippi, Texas, Alabama, and Florida. Although it will be months before the full extent of the damage will be known, NOAA acted quickly to begin preliminary assessments and plan for restoration along the coast.



Early response.

With 20 years of experience restoring habitat impacted by oil, including restoration activities conducted in the Gulf prior to the spill, NOAA is prepared to lead the effort to develop a range of restoration strategies. We will be involved in both short-term and long-term restoration efforts to return the Gulf to pre-spill conditions.

NOAA's Role

To help determine the type and amount of restoration needed to compensate the public for harm to natural resources as a result of the spill, NOAA will conduct a **Natural Resource Damage Assessment**. Although many agencies are involved in this process, NOAA is a lead federal trustee for coastal and marine natural resources, including marine and migratory fish, endangered species, marine mammals and their habitats.

Key Facts

- NOAA responds to as many as 150 oil spills every year.
- In response to oil spills, NOAA has restored thousands of acres of coastal habitat in the past 20 years.
- NOAA and the other trustees involved hold the responsible party accountable for assessment and

Home

About Us

Damage Assessment

BP Oil Spill

- Affected Gulf Resources
- Restoration in the Gulf
- Frequently Asked Questions
- Links
- Case Documents
- NRDA Workplans and Data

Restoration Scoping

What You Can Do

News & Media

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http://www.gulfspillrestoration.noaa.gov/oil-spill/



http://www.gulfspillrestoration.noaa.gov/oil-spill/

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ERMA - Mozilla Firefox

Fichier Édition Affichage Historique Marque-pages Outils ?

http://gomex.erma.noaa.gov/erma.html#x=-88.25810&y=27.03211&z=6&layers=5723+18224+18229+14507

noaa deepwater geoplatform

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Deepwater Horizon/BP Oil Spill: Fe... Deepwater Horizon / BP Oil Spill R... Deepwater Horizon Response & Re... ERMA Web Portal | Responding to ... ERMA

ERMA GULF RESPONSE

Information Help Recent Data Find

Environmental Response Management Application (ERMA)

Layers Legend Query Tool Zoom

Layers clear all reload

- Areas of Operation
- BP Community Support
- Satellite, Radar, and Aerial Images of the Spill
- NRDA Workgroup Data
 - Cumulative Oiling
 - Cumulative Oiling Index - %days of oiling (West Inc.)
 - Cumulative Oiling - days of oiling (TNC)
 - Cumulative NESDIS Anomaly Analysis (April-August 2010)
 - Analytical Data (Validated)
 - Overflight Observations and Photos
 - Response Sampling and Monitoring
 - Fishery Closures
 - SCAT
 - SCA Grids
 - Louisiana
 - 07-Nov-11 SCAT Oiling Ground Observations
 - 05-Nov-11 SCAT Oiling Ground Observations
 - September 2010
 - August 2010
 - July 2010
 - June 2010
 - May 2010
 - LA SCAT Photos
 - Sector Mobile
 - 07-Nov-11 SCAT Oiling Ground Observations
 - 06-Nov-11 SCAT Oiling Ground Observations
 - September 2010
 - August 2010
 - July 2010

National Oceanic and Atmospheric Administration | Environmental Protection Agency
U.S. Department of the Interior | U.S. Department of Homeland Security | University of New Hampshire | Privacy policy | Email Comments

Powered by ERMA®

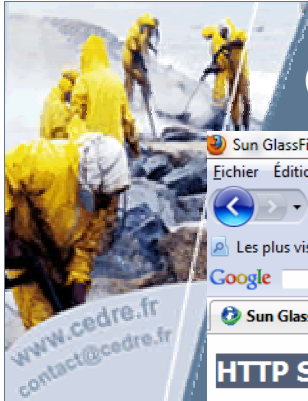
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http://gomex.erma.noaa.gov/erma.html#x=-88.25810&y=27.03211&z=6&layers=5723+18224+18229+14507



Quelques adresses changeantes



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Sun GlassFish Enterprise Server v2.1.1 - Error report - Mozilla Firefox

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http://www.geoplatform.gov/gulfresponse/

noaa deepwater horizon library

Google

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Sun GlassFish Enterprise Server v2.1.1

HTTP Status 404 -

type Status report

message

description The requested resource () is not available.

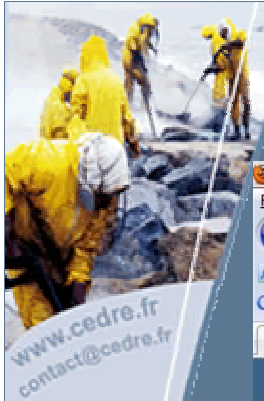
Sun GlassFish Enterprise Server v2.1.1

x Rechercher: libr

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EPA Response to BP Spill in the Gulf of Mexico | US EPA - Mozilla Firefox

EPA Response to BP Spill in the Gulf of Mexico



EPA Response to the BP Spill

In response to the BP oil spill, EPA monitored air, water, sediment, and waste generated by the cleanup operations. Ongoing response and restoration efforts are posted to RestoreTheGulf.gov.

While emergency response data collection has ended, results continue to be available on this site. Any new data will continue to be posted to this site, and data will continue to be available here for the foreseeable future.

Much of the content of this site continues to be available for historical and information purposes, but we are no longer updating these pages on a regular basis.


[News releases related to the oil spill](#) | [Congressional Testimony](#)

Dispersants

8/2: Second Round of Toxicity Testing Data
6/30: First Round of Toxicity Testing Data

Questions and Answers

[Photos of EPA's Response to the BP Spill](#)



[Monitoring Air Quality >>](#)
[Air Data >>](#)

[Water Data >>](#)

[Sediment Data >>](#)

[Waste Information >>](#)

Government Response

- RestoreTheGulf.gov: official federal government site for spill response and recovery
 - File a claim
 - Report a concern
 - Volunteer
 - Hotlines and phone numbers

Other federal government information:

- Worker health and safety:
 - from OSHA
 - from CDC
- CDC review of EPA data for possible adverse health effects
- OSHA sampling data
- White House response site
- NASA satellite imagery of the spill
- Sign up for text message alerts

Connect with us:
Facebook: [EPA](#) | [Admin. Jackson](#)
Twitter: [EPA](#) | [Admin. Jackson](#)
Photos: [BP Spill](#) | [more photos](#)
[Get email updates](#)

What EPA is doing

- Monitoring Air Quality
 - Air data
- Water data
- Sediment data
- Waste management
- Dispersants
 - Toxicity testing
 - Dispersant questions
- Frequent Questions
- Submit a Technology Solution
- Community Outreach
- What You Can Do
- Vendors

Transfert des données depuis farm5.static.flickr.com...

<http://www.epa.gov/bpspill/>



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Deepwater Horizon Response & Restoration - Mozilla Firefox

http://www.doi.gov/deepwaterhorizon/index.cfm

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U.S. Department of the Interior

Enter your email address for updates



HOME WHO WE ARE WHAT WE DO BUREAUS & OFFICES NEWS

Deepwater Horizon

Deepwater Horizon Response & Restoration

Print Text Size

Learn More

- NRDA Administrative Record Index**
- Restore the Gulf (.gov)**
- Strengthened Safety and Reform**
 - Safety Alert for Operators & Drilling Contractors
 - Decision Memorandum -- offshore permitting and drilling on the Outer Continental Shelf (PDF) (signed)
 - 30-Day Safety Report (Letter on Scope of Peer Review)
 - Safety Requirements NTL
 - Blowout Prevention NTL



Fact Sheets

- Oil Spill Response Reports & Data**
 - Timeline: Response to BP Oil Spill
 - Air and Water Sampling Results
 - Wildlife Collection Reports
 - EPA Sampling Data in Socrata Web tool
 - Summary Preliminary Report from the Flow Rate Technical Group
 - Transcript of May 27, 2010 Press Call with Dr. Marcia McNutt
 - BSEE/BOEM Documents / Reading Room
 - Deepwater Horizon Release Estimate of Rate by PIV
 - BP Gulf of Mexico Response Plan
- Department of Interior Roles & Responses**
 - Interior Department Fact Sheet
 - Fish & Wildlife Service
 - BSEE/BOEM
 - National Park Service
 - US Geological Survey

Take Action

- Volunteer: 1-866-448-5816.
- Report oiled wildlife: 1-866-557-1401. Messages checked hourly.
- Report oiled shoreline: 1-866-448-5816
- Report spill related damage: 1-800-440-0858.
- Suggest Restoration Projects
- File a claim for damage.

Connect via Social Media

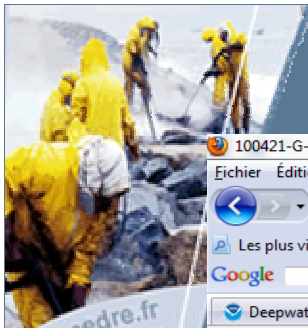


News

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Département de la Sécurité Intérieure (USCG)



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100421-G-XXXXL-003 - Deepwater Horizon fire - Mozilla Firefox

Fichier Édition Affichage Historique Marque-pages Outils ?

http://cgvi.uscg.mil/media/main.php?g2_itemId=836364

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Deepwater Horizon/BP Oil Spill: Fe... Deepwater Horizon / BP Oil Spill R... Deepwater Horizon Response & Re... ERMA Web Portal | Responding to ... 100421-G-XXXXL-003 - Deepw...


United States Coast Guard
U.S. Department of Homeland Security

Visual Information Gallery

Gallery > Deepwater Horizon Response > Photography > 100421-G-XXXXL-003 - Deepwater Horizon fire [Login](#)


Search the Gallery
 Search This Album
[Advanced Search](#)

Newest Image



Marine Safety Unit Lake Charles, LA - 2011

Gallery
Video
Photography
Photography Archive
Graphics
Audio
Coast Guard 2011 Inn
Coast Guard Art
Coast Guard History
Coast Guard Magazine
Coast Guard Highlight Leadership
Senior Leadership Photo
Hurricane Irene Response
Pentagon Channel Coast Guard
Deepwater Horizon Response
Coast Guard Cutter Eater
September 11 Images
Coast Guard 2010 Inn
Coast Guard 2010 Inn Photography



Date: 04/21/2010
Views: 6176
Size: 500x375
Full size: 3264x2448

[Download](#)
(right click, Save Target As)

100421-G-XXXXL-003 - Deepwater Horizon fire

NEW ORLEANS - Fire boat response crews battle the blazing remnants of the off shore oil rig Deepwater Horizon April 21, 2010. A Coast Guard MH-65C dolphin rescue helicopter and crew document the fire aboard the mobile offshore drilling unit Deepwater Horizon, while searching for survivors April 21, 2010. Multiple Coast Guard helicopters, planes and cutters responded to rescue the Deepwater Horizon's 126 person crew. (U.S. Coast Guard photo)

« item actions »

Photo Properties
summary details
Date/Time Wed 21 Apr 2010 08:20:15 AM EDT

« first » « previous » next » » last » »

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http://cgvi.uscg.mil/media/main.php?g2_itemId=836364



Site du gouvernement fédéral US



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Response | RestoreTheGulf.gov - Mozilla Firefox

Fichier Édition Affichage Historique Marque-pages Outils ?

http://www.restorethegulf.gov/task-force/response

noaa deepwater horizon library

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Response | RestoreTheGulf.gov

An Official Website of the United States Government

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Search

RestoreTheGulf.gov

HOME TASK FORCE ASSISTANCE HEALTH & SAFETY FISH & WILDLIFE ENVIRONMENT NEWS

Home > Task Force > Response

Task Force

- About Task Force
- Joint Info Center
- Education Resources
- Federal Partners
- Recovery Plan
- Investigation
- Response
- State and Local

Response

View a five-month historical archive of the Administration-Wide Response to the Deepwater BP Oil Spill, including the response by the numbers – for vessels deployed, feet of boom used, oily water recovered, oil burned and more — documenting an unprecedented inter-agency effort to tackle the problem.



Recent Updates

- Walker relieves Hein as Federal On-Scene Coordinator
Monday, November 14 2011
- Signed plan defines oil removal completion process for affected shoreline, transition to restoration projects
Tuesday, November 8 2011
- Shoreline Clean-up Completion Plan
Tuesday, November 8 2011

Key Contact Numbers

- Boom Reports (assistance hotline)
(281) 366-5511
- Claims (GC)
(800) 916-4893
- Environment/Community Hotline
(866) 448-5816
- Medical support (Poison Control)
(800) 222-1222
- Volunteer Training (PEC Hotline)
(866) 647-2338

August 2, 2011	GC-IMT Gulf States Severe Weather Plan
October 1, 2010	Statement by Secretary Napolitano Commending the Service of Admiral Thad Allen
September 24, 2010	Unified Area Command Weekly Update
September 17, 2010	The Ongoing Administration-Wide Response to the Deepwater BP Oil Spill
September 15, 2010	The Ongoing Administration-Wide Response to the Deepwater BP Oil Spill
September 14, 2010	The Ongoing Administration-Wide Response to the Deepwater BP Oil Spill
September 13, 2010	The Ongoing Administration-Wide Response to the Deepwater BP Oil Spill
September 10, 2010	The Ongoing Administration-Wide Response to the Deepwater BP Oil Spill
September 9, 2010	The Ongoing Administration-Wide Response to the Deepwater BP Oil Spill

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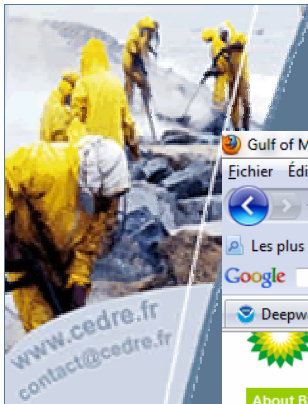
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http://www.restorethegulf.gov/task-force/response

Site BP – partie responsable



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Gulf of Mexico | Response | BP - Mozilla Firefox

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http://www.bp.com/subsection.do?categoryId=9036576&contentId=7067590

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Google

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Deepwater Horizon/BP Oil Spill: Fe... Deepwater Horizon / BP Oil Spill R... Deepwater Horizon Response & Re... ERMA Web Portal | Responding to ... Gulf of Mexico | Response | BP

About BP Products and services Sustainability Investors Press Careers Gulf of Mexico restoration

You are here: BP Global > Gulf of Mexico restoration > How we responded

Deepwater Horizon accident

How we responded



- Containing the leak
- Compensating the people and communities affected
- Offshore and onshore clean-up
- Wildlife rescue and rehabilitation
- Health and safety in the response effort
- Response timeline
- Response in video and pictures
- Restoring the environment
- Restoring the economy
- Supporting oil spill response efforts
- Claims information
- Investigating the accident
- Contacts

Follow us on:

- BP on Twitter
- BP on Facebook
- BP on YouTube
- BP on Flickr

How we responded

This was a situation never encountered before and required a number of solutions that were new to BP and the industry



Local response information can be found on our state sites

- Alabama
- Florida
- Louisiana
- Mississippi

In this section

- Containing the leak**
BP worked with experts from industry, government and academia to stop the leak and contain the oil
- Compensating the people and communities affected**
BP was determined to respond swiftly and fairly to claims from individuals, businesses and government entities
- Offshore and onshore clean-up**
BP is committed to cleaning up and restoring the Gulf's beaches and marshes
- Wildlife rescue and rehabilitation**
BP worked with nationally recognized wildlife groups to develop specific rescue and rehabilitation programs for wildlife
- Health and safety in the response effort**
BP worked to safeguard the safety and welfare of approximately 48,000 individuals involved in the response
- Response timeline**
A look at the key events in the Gulf of Mexico incident and response
- Response in video and pictures**
BP documented the response to the Deepwater Horizon tragedy using films and photographs

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http://www.bp.com/subsection.do?categoryId=9036576&contentId=7067590



Recherche documentaire

→ Collecte/analyse d'une matière abondante :

- **Chronologie** détaillée de l'accident, de l'explosion au scellement du puits (20 avril-19 septembre)
- Schéma global de l'**organisation** (inscription dans le schéma *ICS*, architecture, dimensionn^t...)
- Au niveau des **principales stratégies** de lutte
 - Maîtrise de la fuite
 - Volets/coordination de la lutte en mer (récup., brûlage contrôlé, dispersion)
 - Mesures de protection et reconnaissance du littoral
 - Suivi/devenir du polluant dans le milieu



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Recherche documentaire

- Estimations/chiffres

- Débits de fuite (DoI)
- Bilan massique

...mais, en termes techniques :

- Documents synthétiques (ex: *National Commission, informations au public, ... « by the numbers to date »*)

Ex : www.restorethegulf.gov, 2010 3rd May

- Personnel (...) approximately 3,000 are currently responding to protect the shoreline and wildlife.
- Nearly 200 vessels (...) including skimmers, tugs, barges, and recovery vessels—in addition to dozens of aircraft, remotely operated vehicles, and multiple mobile offshore drilling units.
- Hundreds of thousands of feet of boom (barrier) have been deployed to contain the spill—nearly 700,000 feet are available.



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Recherche documentaire

en termes techniques :

– Détails limités sur certains volets

- Lutte en mer : ex.: récupération (performances, limitations éventuelles, tests de navires récupérateurs *A Whale, Big Gulp, ...*)
- Lutte à terre : évaluation et mise en œuvre des techniques, traitement des déchets, mesures de protection –*Rigid Tube Boom...*
- ...

→ Nécessité de croiser/compléter infos *via* la recherche de doc/supports divers (ex : ppt, photos,...)

→ Interrogations sur les raisons/contextes sous jacents à certaines orientations



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Participations aux colloques

IOSC 2011 (Portland, OR, USA)

- 2000 participants (>50 % impliqués dans DHS)
- 1/4 présentations sur DHS
- **Retours techniques sur :**
 - les opérations d'ampleur sans précédent
 - dispersion chimique (mise en œuvre, évaluation...)
 - brûlage *in situ* (+ atelier « techniques lutte en mer »)
 - récup. mécanique : atelier *EDRC* ; *Vessels of Opportunity (VOOs)*
 - impacts : aucune présentation spécifique DHS
 - quelques présentations sur la réponse littorale

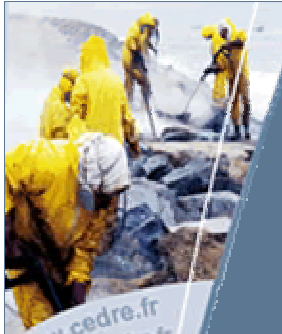
Participations aux colloques

IOSC 2011 (Portland, OR, USA)

- Fort accent (*USCG*) sur la gestion/organisation de la réponse :
 - L'*ICS* (*Incident Command System*)
 - Communication en temps de crise
 - Gestion des offres d'assistance internationale
- Réaction de l'industrie, coopération public/privé, multi agences...



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Participations aux colloques

AMOP 2011 (Banff, Alberta, Canada)

- Environ 150 participants
 - majorité nord-américains (USA, CAN)
 - structures publiques fédérales (EC, TC, CCG, USCG, NOAA...) ou régionales (MoE provinces)
 - consultants impliqués dans le GdMx
- 1/4 des séances dédiées à *Deepwater Horizon*



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Participations aux colloques

AMOP 2011 (Banff, Alberta, Canada)

•Retours sur :

- Appréhension du devenir du panache
 - Modélisation (influence formation/taille de gouttelettes)
- Méthodes/difficultés d'estimation des volumes en surface
 - Satellites, obs. aériennes, capteurs aéroportés (spectromètre imageur visuel/IR)
- Impacts : approche modélisatrice démarche *NRDA* (mais pas de résultats)
- Intervention sur le littoral : *SCAT* et éval./ applications de techniques



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Participations aux colloques

AMOP 2011 (Banff, Alberta, Canada)

• Intérêts d'assister en direct :

- Une diffusion parfois restreinte hors évènement :
 - Particulièrement pour DHS. Ex. de la séance SCAT : « Tribunes libres » (*i.e.* pas d'écrits/proceedings) ;
 - Restrictions d'usage, reproduction, etc (« pas de photographies »)
- Fondées sur données publiques mais :
 - Souvent accessibles (web) sous forme « brute » (ex.: *Erma*)
 - Offrant une synthèse / point de vue de l'opérationnel (mention « opinions n'engageant que l'auteur etc. »)

Interrogations d'acteurs

Contacts préalables (ex : IOSC 2011)

- *NOAA Office of Response and Restoration*
 - *Assessment and Restoration Division*
- *U.S. Coast Guard*
 - *National Maritime Center*
 - *USCG Technical Advisor*
 - *Office of Incident Management and Preparedness*
- *USEPA*



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Interrogations d'acteurs

Contacts sur place

- NOAA, USCG, ...
- OSROs (ex: *MSRC*)
- Consultants/intervenants DHS (ex : *Spilltec, Polaris Applied Science, Research Planning, Inc*)
- BP – *Alternative Response Technology Team*
- Fabricants...



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Interrogations d'acteurs

Eléments techniques & intérêt pour :

- Meilleur « ressenti » du contexte DHS (urgence / ampleur pollⁿ, pression médiatique, politique, sociale):
 - **Stratégies/techniques en mer :**
 - disponibles, techniquement réalisables, et jugées efficaces
 - *discussions en //* : motivations pas toujours uniquement techniques
 - **Questionnement sur la disponibilité de retours techniques** (performances matériels de récupération, séparation, etc.)
 - Urgence = manque d'opportunités d'effectuer et consigner évaluations
 - Avis parfois divergents pour une même structure (orgⁿ, mobilisⁿ)
 - Mobilisation impressionnante, nombre de nouveautés relativement limité



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Interrogations d'acteurs

- DHS : colloques et contacts = soutien indispensable à la recherche documentaire :
 - Collecte d'informations techniques précieuses car:
 - En direct
 - Non prévues pour une diffusion large (abstracts, .ppt)
 - Non « diffusables » (confidentialité, développements juridiques...)
 - Documents à venir/surveiller
 - Confirmation éventuelle de lacunes



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Merci de votre attention

