





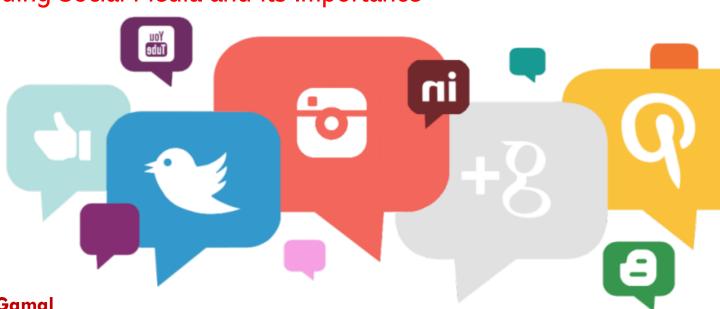




Chemical, Biological, Radiological, Nuclear and explosive Department of Industrial Engineering and School of Medicine and Surgery

Introduction on communication during Emergency

Understanding Social Media and its Importance





Microbiologist, CBRNe Instructor

International Master Courses in Protection Against CBRNe events

UNIVERSITY OF ROME TOR VERGATA



Ahmed Ibrahim Contact:

Mobile: +971557778636,

Email: Ahmed@gamalibrahim.com



Faculty of Industrial Engineering and School of Medicine & Surgery











Information sharing between public safety organizations and communities is critical in emergency situations, especially large-scale events such as, CBRN events, Pandemics, floods, earthquakes, and hurricanes















"Social media and collaborative technologies have become critical components of emergency preparedness, response, and recovery."



Through the use of social media, members of the public who witness incidents can provide public safety organizations with timely, geographic-based information.



This information can be used by decision-makers in planning response strategies, deploying resources in the field, and, in turn, providing updated and accurate information to the public.



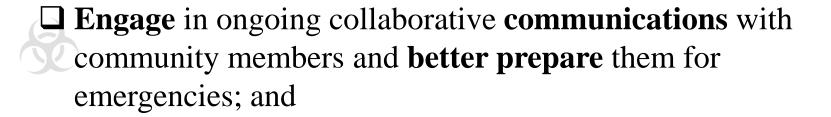












☐ Gather, analyze, and act on <u>real-time</u> emergency information provided directly <u>by social media users</u> within the community.











Established social media networks are in widespread use and allow for the dissemination of data-rich, contextual multimedia including narrative, photos, and videos.













Chemical, Biological, Radiological, Nuclear and explosive Department of Industrial Engineering and School of Medicine and Surgery



SOCIAL MEDIA PLATFORMS



























Chemical, Biological, Radiological, Nuclear and explosive Department of Industrial Engineering and School of Medicine and Surgery





Social networks are web platforms that allow users to create an account, establish a profile, and interact with other members. Most social networks permit users to manage their privacy and preferences for sharing content and personal information.

Examples of social networks include Facebook, Google +, LinkedIn, and Twitter.

































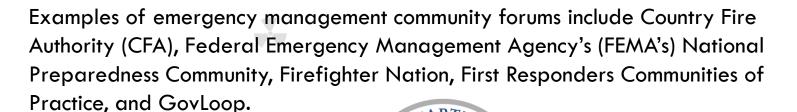




FEMA

Community Forums

Community forums are online discussion sites that give users the ability to create content, comment on posts by other users, and upload and share files. Within emergency management, they can also serve as a valuable source of information and resources following a disaster. Organizations interested in building and hosting a community forum can use tools and services offered by third-party providers such as IdeaScale and Ning.



















Chemical, Biological, Radiological, Nuclear and explosive Department of Industrial Engineering and School of Medicine and Surgery





Blogs



Blogs are a chronological online diary that allow visitors to post responses to a discussion thread on a particular topic. Blogs can support in-depth interactive discussions better than a microblog such as Twitter that limits message length; however, they require creative content to entice the public to participate in the information-sharing process. Examples of blogging platforms include Blogger and WordPress



















Feed Readers

Feed readers are internet browsers or websites, which can be used to subscribe to favorite websites through the use of really simple syndication (RSS) feeds. The desired content is automatically aggregated into one application for easy viewing.



Examples of feed readers include FeedburnerTM, IceRocket, My Yahoo!, NewsGator®, and Reddit



















Mashups

Mashup technologies display overlays—or a mashing together—of two or more data sets. Within emergency management, mashups are commonly used to map different types of incident-related data (e.g., the location of shelters, evacuation routes, and water mains), generate crisis maps, and improve situational awareness during a disaster. Mashups can also allow citizens to contribute to a response effort by posting photos, videos, or comments on road closures, damages, etc.

Mashup examples include Crisis Map, EsriTM, Google Maps, and Ushahidi.







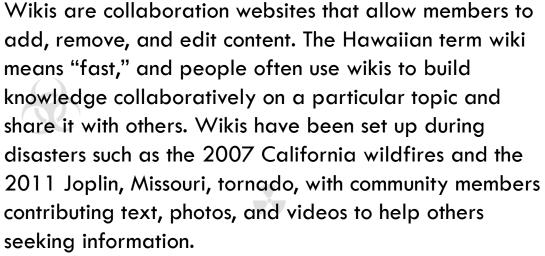




































Social media management tools allow users to monitor and manage their social media networks as well as generate metrics for determining their reach and effectiveness. Some applications are free and may offer upgrades to professional-level services, while others require a licensing fee or paid subscription. Examples of social media management tools include Crowdbooster, Facebook Insights, Geofeedia, Google AnalyticsTM, HootSuite, Radian6, TweetDeck, and Twitalyzer.



























Short Message Service (SMS)

SMS is a communications protocol used for sending text messages on cell phones and other mobile devices. Many public safety organizations allow users to sign up to receive alert messages, which can be especially valuable during an emergency if an agency's existing phone service cannot support the volume of incoming calls from the public. The effectiveness of SMS messaging can be limited because it may rely on community members opting into the service and is generally used by public safety organizations for distributing messages, not sharing information.

































































Chemical, Biological, Radiological, Nuclear and explosive Department of Industrial Engineering and School of Medicine and Surgery



SOCIAL MEDIA CALENDAR













Chemical, Biological, Radiological, Nuclear and explosive Department of Industrial Engineering and School of Medicine and Surgery



Social Media Plan





Listen

- · Locate consumers
- Assess their social activities
- Look for small, focused audiences



Plan

- Define business
 Objectives
- How can your brand's strengths be extended online?



Strategy

- How and where will you do it?
- How will relationships with consumers change?
- Who will be leading this effort?



Tools

- Decide what social tools you will use.
- How will you monitor acitivities and measure success?















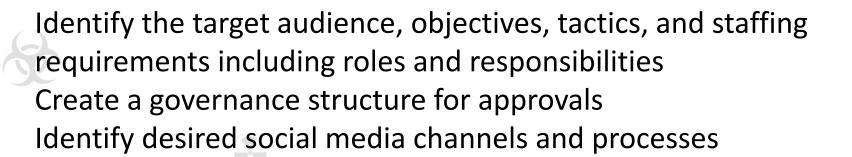






























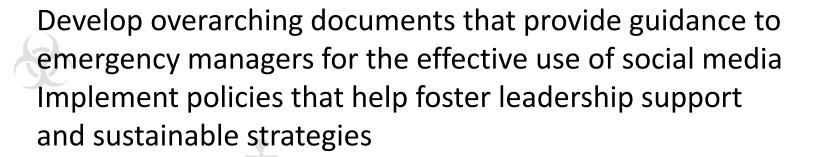








2- Establish and Adopt Policies



























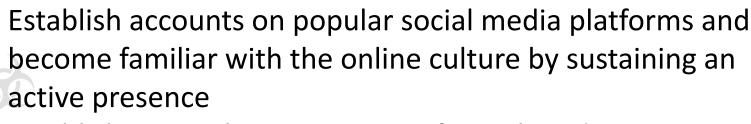








3- Establish a Social Media Presence



Establish a complementary mix of social media Engage with the community in advance through social media and recommend standard hashtags















4- Manage Expectations

Engage early and often with the public to help set realistic expectations during emergencies
Disclose the source, type, and frequency of official emergency communications

























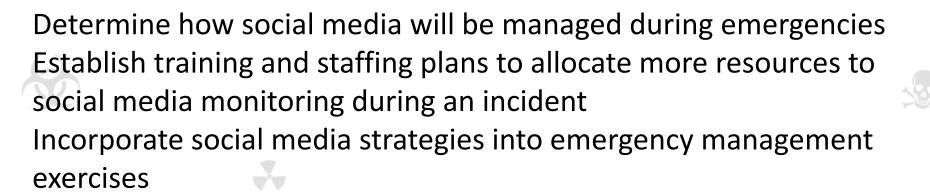








5- Establish a Concept of Operations











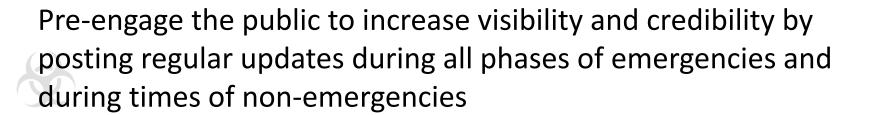








6- Distribute Timely and Frequent Updates































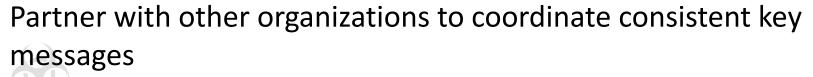


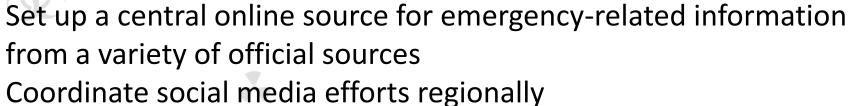






7- Coordinate with Partnering Organizations































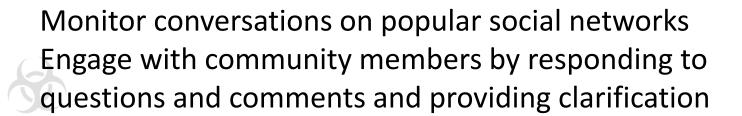








8- Actively Monitor Social Media Content































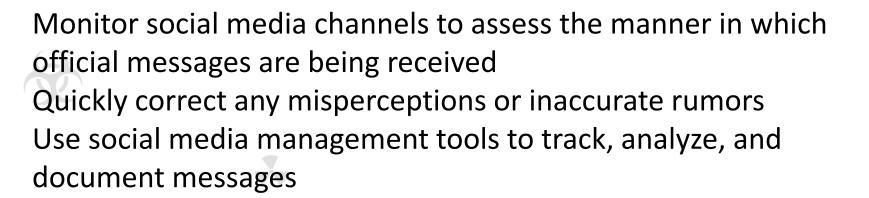








9- Evaluate Public Information





























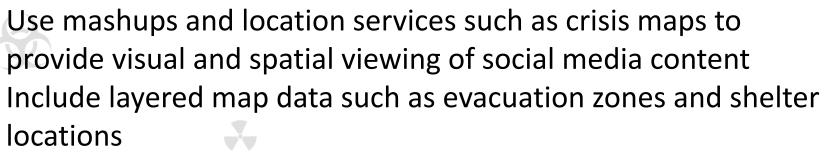








10- Utilize Maps to Increase Visual Context



Allow community members to submit damage reports containing photos, videos, and eyewitness accounts relating to the emergency response











11- Engage with Digital Volunteer Organizations and Virtual **Operations Support Teams**



Enlist digital volunteer communities to help satisfy demand for information when in-house resources are taxed Use a VOST to monitor sites, spot trends, and seek and disseminate information











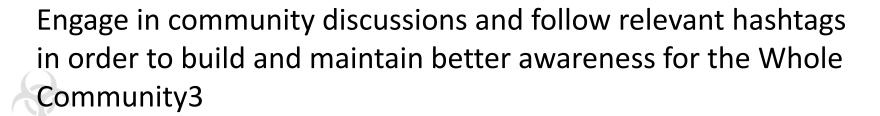


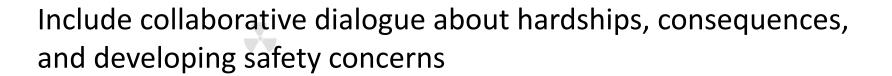






12- Improve Community Awareness













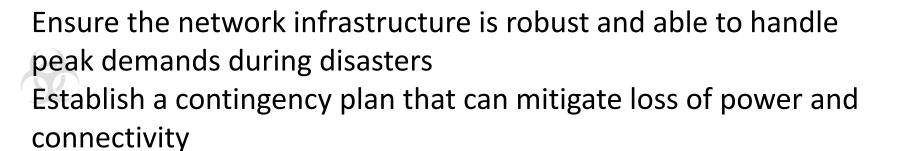








13- Plan for Loss of Connectivity







































14- Engage with Community Members After an Incident

Seek feedback from community members to help assess the usefulness and frequency of information shared through social media









































































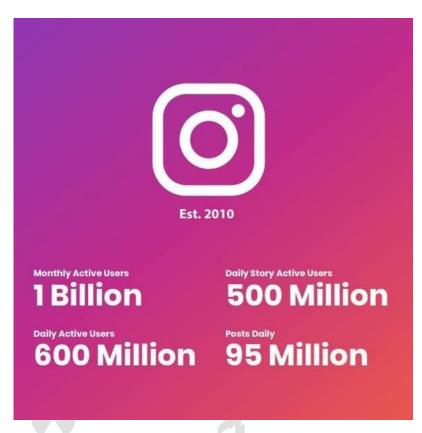
























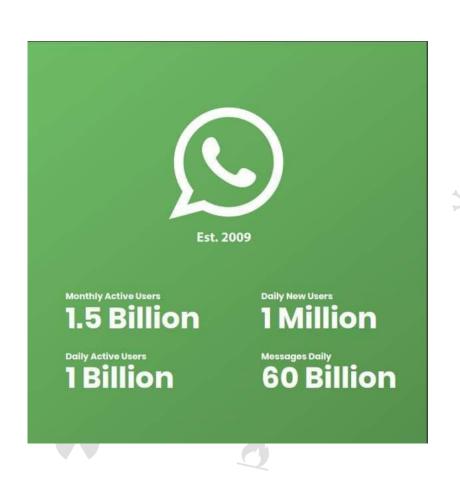














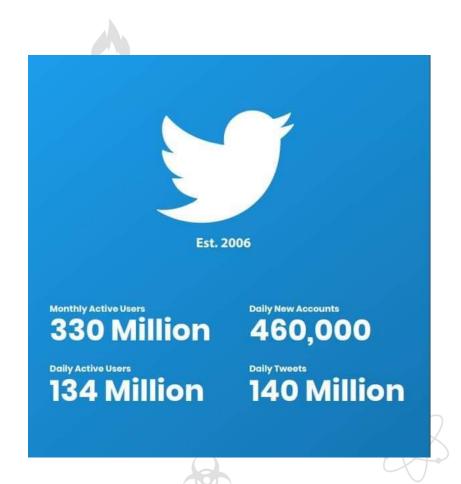


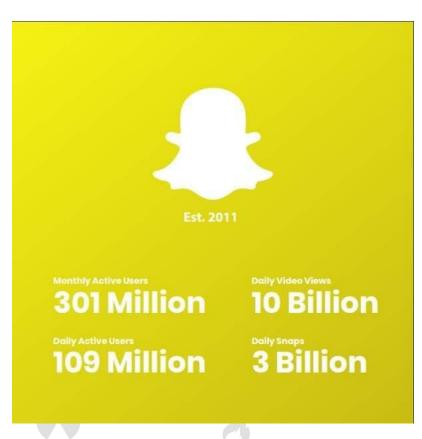




































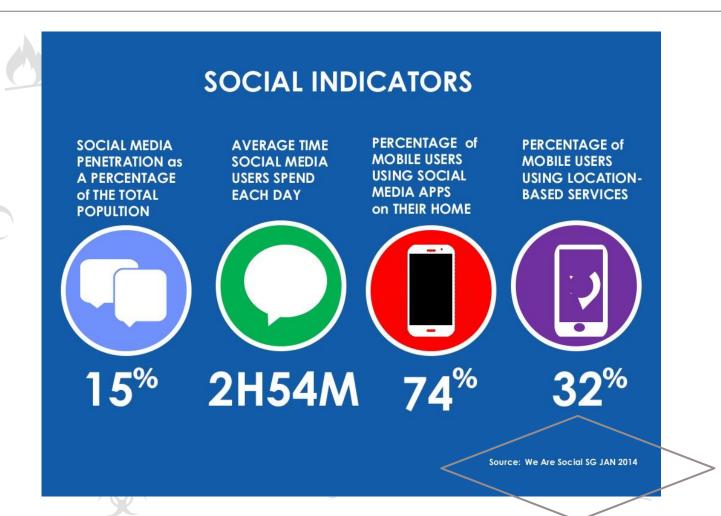












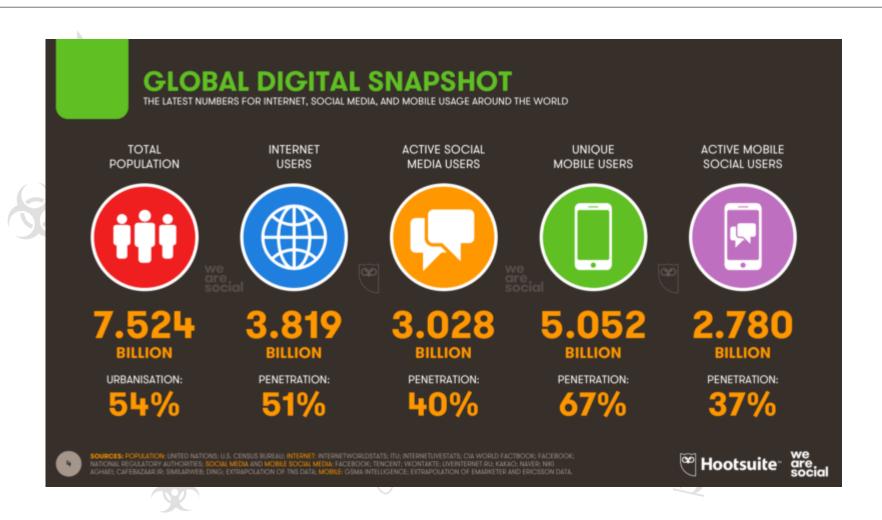
























































Colorado National Guard

Colorado National Guard was the third organization included in the on-site visit in Colorado. The Colorado National Guard serves as the State of Colorado's first military responders during state emergencies as directed by the governor.

Social Media Overview

National Guard resources from four states provided relief assistance during the 2012 Colorado wildfires. Organized under the Department of Defense, the National Guard follows the structured social media strategies of the Army.5 These strategies are implemented by the Colorado National Guard's Public Affairs Office and coordinated with the Colorado Office of the Governor. The Colorado National Guard has its own website and regularly posts news releases. The website also includes links to the Colorado National Guard's official social media accounts.





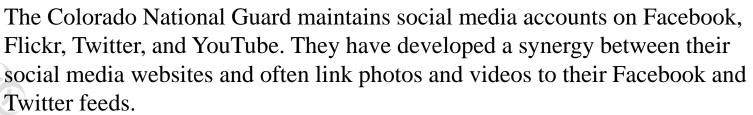


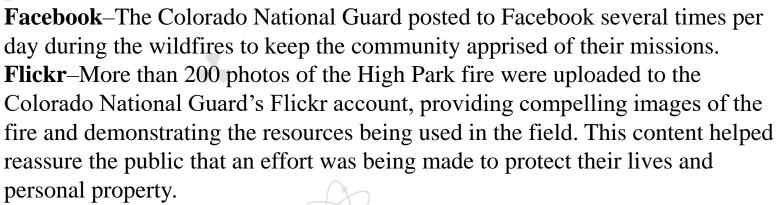






















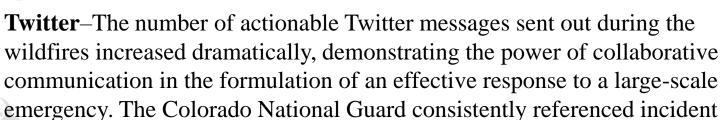






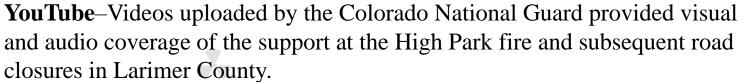






hashtags and the primary @USNationalGuard account.





























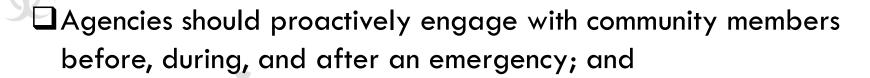






Conclusion





Agencies should adopt the use of social media in combination with mobile technology such as smartphones to distribute information quickly.











Conclusion

- Do not suppress social media sites on internal networks;
- ☐ Actively use various social media accounts;
- Use social media to distribute alerts, warnings, and updates;
- ☐ Use mobile technology to collect and send information to the public;
- ☐ Actively respond to social media content from the public; and
- Use information from social media for situational awareness and to influence decision-making during incidents.











