CAP Implementation Workshop 2017
Speakers
(Updated as of 21 June 2017)

For details about the venue and logistics, see Information Note

For the provisional Programme, see Programme

For the provisional list of participants, see Participants

1.1 Welcome from Fire Corps Academy, Istituto Superiore Antincendi (ISA)

3.x Adopting CAP on Nation-wide Rescue Services:
Lesson Learnt by the Italian case

Stefano Marsella currently leads the Italian National Fire Academy (ISA). He has served since 1988 in the National Fire Corps (CNVVF), wherein he held different positions in the provincial fire services of Florence, Venice and Treviso. He has also directed the fire and rescue services of Arezzo and Perugia. In the central offices of the CNVVF, he has been working in the activity of standardization and fire prevention, and for several years he directed the information technology sector. Mr. Marsella has published numerous articles and books on fire prevention, fire safety engineering, fire prevention and the application of ICT to the rescue services. He has been member of the NFPA Committee 914 Code for protection of Historic Structures and contributes to the Committee 1616 Standard on Mass Evacuation, Sheltering, and Re-entry Programs. He coordinates the CNVVF participation to the R&D projects co-financed by the European Commission.

1.2 Welcome from the International Association of Emergency Managers (IAEM)

Beth Armstrong is Executive Director of IAEM, a non-profit educational organization dedicated to promoting the goals of saving lives and protecting property during emergencies and disasters. Beth is a recognized leader in the United States representing local emergency management programs in national policy discussions. She developed and is responsible for supervising the Certified Emergency Manager Program. Her education includes a Bachelor of Business Administration, Marketing, from College of William and Mary, and a Master of Association Management from George Washington University. She has expertise in federal grants procurement and management, certification program development and administration, and the entire scope of successful non-profit operations, including governance.

1.3 Welcome from the International Federation of Red Cross and Red Crescent Societies (IFRC)

3.x IFRC 'What Now' Service in Collaboration with Google

Omar Abou-Samra is acting Director of the IFRC Global Disaster Preparedness Center (GDPC), hosted by the American Red Cross in Washington, DC. Prior to this, he focused on grants from and partnerships with government, private and non-profit organizations; and innovative programs at a global scale to promote disaster preparedness. Omar has over fifteen years of experience working in non-profit, disaster and technical fields, with specialization in mass care including emergency feeding, relief distribution and shelter. He is also an experienced responder to complex emergencies, within the U.S. and internationally.

1.4 [Welcome from the International Telecommunication Union, Development Sector (ITU-D)](#)

Cosmas Zavazava works for the International Telecommunication Union (ITU) where he heads a department responsible for projects and initiatives within the Telecommunication Development Bureau (ITU-D). Projects range from infrastructure, cyber-security, e-strategies, rural telecommunication development, and disaster communications, to legal and regulatory frameworks. He also heads an IUT-D Division responsible for Information and Communications Technology (ICT) development in Least Developed Countries (LDCs), Small Island Developing States (SIDS), and Landlocked Developing Countries (LLDCs).

1.5 [Welcome from OASIS](#) (standards organization)

Elysa Jones is an internationally recognized expert in Emergency Interoperability Communications via Data Messaging. Elysa is Chair of the OASIS Emergency Management Technical Committee since 2004. Her Committee developed and maintains the Common Alerting Protocol (CAP) Standard, which is also ITU recommendation X.1303. Additional standards for message distribution, resource messaging, hospital availability and tracking of emergency patients are products of her Committee.

1.6 [Welcome from the World Meteorological Organization (WMO)](#)

Samuel Muchemi is the Scientific Officer, Public Weather Services (SO/PWS), WMO since 2006. He joined the Kenya Meteorological Department (KMD) in 1980 as a weather forecaster and later as a weather presenter on television for the Kenya Broadcasting Corporation (KBC). He was also in charge of the Public Weather Services Division of KMD.

2 Organization of the Workshop

3.x Update on Filtered Alert Hub

3.x Survey of Other CAP Implementations

Eliot Christian is a consultant to and retired from the World Meteorological Organization (WMO). He was a chief architect of the WMO Information System and the Global Earth Observations System of Systems. Eliot is also retired from, but remains a volunteer to, the United States Geological Survey (USGS) where he helped lead broad programs for environmental data sharing. Since 2001, he has been active in developing and promoting CAP, especially internationally.

3.x China's National Early Warning Release System

Cao Zhiyu is Director of the Warning Division at the National Early Warning Center, China. Mr. Cao has more than 10 years of experience as an expert in issuing early warnings, since construction of China's National Early Warning Release System started. He graduated from the Mathematics Department of Harbin Institute of Technology, and subsequently worked at product and system development in the National Meteorological Center, part of China Meteorological Administration. In 2007 he was one of the founders of Weather China, the top-ranked Chinese web site for weather, where he focused on database development, and on web operation and maintenance. He transferred to CMA Public Meteorological Service Center in 2008. He is currently doing research on early warning systems and comprehensive capabilities of disaster prevention and reduction.

3.x CAP at the Deutscher Wetterdienst

Eduard Rosert joined the weather forecasting unit (WV) of the German Meteorological Office (DWD) in 2015. He has a degree in computer science and is working as a software engineer on the System for the Production and Dissemination of Warnings (PVW). His field of work includes the standardization and further development of the DWD CAP profile.
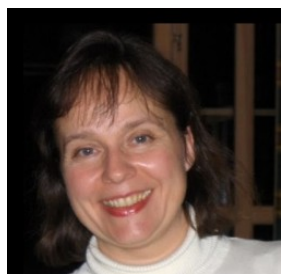
3.x CAP and Related Activities in Zimbabwe

Freedom Mukanga is External Relations Officer at the Meteorological Services Department (MSD) of Zimbabwe. He joined MSD in 2009 as a meteorological technician and later became website administrator. He is in charge of the Department's communications with a focus on website, social media, short message applications and platforms. Freedom is Zimbabwe's alternate focal point for the World Meteorological Organisation Information System (WIS). His education includes a Diploma in Development and Disaster Management and a Bachelor of Commerce Degree in Management, both from the National University of Science and Technology (Zimbabwe). He is currently studying towards a Masters Degree in Business Administration at the University of Zimbabwe.

3.x Met Norway and CAP

Gjermund Haugen is Deputy head of the Forecasting Department of Northern Norway, in Tromsø. For part of the time, he is a meteorological officer, which involves alerts, media and aviation. Polar weather includes polar lows, vessel icing and sea ice forecasting. The area of responsibility includes Metarea 19 and the Svalbard archipelago.

3.x Met Norway and CAP

Helen Korsmo has worked as a system developer at the Norwegian Meteorological Institute since 2000. The first project she joined at MET was the development of Diana, a Meteorological Workstation which is now Open Source and in use by Meteorological offices worldwide. She was involved in planning yr.no, a cooperation between MET Norway and the Norwegian Broadcasting Company, which is now the fifth most popular weather web site in the world. Currently, she is coordinating the technical work required to issue all warnings of dangerous weather as CAP at MET Norway. The CAP alerts will be displayed to all users of yr.no, as well as distributed through other channels. Helen has a PhD in Particle Physics from Oslo University/CERN.

3.x One Concern: Bringing the Power of AI & Machine Learning to All-Hazards DRR, Alerting, and EOCs

Joel Myhre joined One Concern following recent Information Management strategy engagements in Afghanistan, at the WHO Strategic Health Operations Center in Geneva during Ebola and H1N1, and leading US DHS EOC all-hazards technology innovation efforts in California. With over two decades of humanitarian and emergency response capacity building, interoperability strategy, and CivMil technology experience gained from his Asia-Pacific, North America, Europe, Middle East and Africa endeavours, Joel has been honored as a Member of the UK's Royal Institution of Chartered Surveyors (RICS), a recipient of the National Guard Bureau's Minuteman Award and has advanced degrees from UC Davis and the University of Hawaii at Manoa.

3.x Adopting CAP on Nation-wide Rescue Services: Lesson Learnt by the Italian case

Marcello Marzoli, Fire Captain, degree in Aerospace Engineering, since 1990 he has been working for the Italian Ministry of Interior, Department of Fire Corps, Civil Defence and Public Rescue. In 1997 he was at the Rome HQ Control Centre, in 1998 he moved to the National Control Centre, then to the Air Service and the National IT Office, to come back in 2005 to the Rome HQ. Since 2001 he has been working on European and National R&D projects: namely, ITALSCAR (ESA 2001) and the EU projects LOCCATEC (2000), INStANT (2001), LIAISON (2003), PETRA-NET (2005), REACT (2005), SAVE-ME (2008), IDIRA (2010), REFIRE (2010), HELI4Rescue (2011) and AF3 (2014). Since 2002 he has been appointed as expert evaluator by the EC in the Space, IST, NMP and Security R&D activities. He is inventor and assignee of a couple of Italian Patents in the medical apparatus domain. He has published several papers.

3.x CAP in Mexico

Mario Alvaro Ruiz Velazquez is an advisor to the Centro de Instrumentación y Registro Sísmico and a specialist in Emergency Alert Systems. He holds a Master's Degree in Computing Systems and his Ph.D. studies focus on Emergency Alert Systems and Crises Leadership. An information technology advisor in Safety and Warning Systems to various levels of government in Mexico, he participates in design, development and installation of the Mexican Earthquake Alert System (SASMEX) using EAS-SAME and CAP. He also works with academic, specialist and civil protection authorities in developing the Earthquake Warning System in California, USA.

3.x CAP in Projects PHAROS and HEIMDALL

Monika Friedemann has a degree in Media Informatics. She joined the Remote Sensing Center (DFD) of the German Aerospace Center (DLR) in 2007 working as a software engineer on the development of the operational Decision Support System of the Indonesian Tsunami Early Warning System, InaTEWS. Since 2012, she has been in involved in the conception and establishment of a software framework for Environmental and Crisis Information Systems used by many DLR-DFD projects. From 2013 until 2016 she developed and implemented situation assessment and decision support services including interoperable exchange of common operational picture information in disaster management for the EU project PHAROS. Since 2017 she has been coordinating the follow-up research and development work performed by DLR-DFD within the EU project HEIMDALL on a Multi-Hazard Cooperative Management Tool for Data Exchange, Response Planning and Scenario Building. Mrs. Friedemann has published various papers and holds several patents.

3.x Sahana Update on CAP Implementations

Nuwan Waidyanatha is a Sahana Software Foundation Director and has been affiliated since 2006. Currently he is the chief architect and he leads the roll-out of the CAP-enabled Sahana Alerting and Messaging Broker (SAMBRO) in the Maldives, Myanmar, and the Philippines. Nuwan has been working as a Senior Research Fellow with LIRNEasia since 2005, a regional pro-poor pro-market think tank. Nuwan has conducted several CAP related regional action research projects with LIRNEasia. Nuwan's credentials are rooted in emergency communication and disaster management. Additionally, he works on short term assignments with the International Telecommunication Union in providing technical assistance in improving the emergency telecommunications of the member states.