# CAP Implementation Workshop 2017
# Speakers
*(Updated as of 23 May 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** is Director of the National Fire Corps Academy (ISA). He has worked since 1988 in the National Fire Corps (CNVVF), including in provincial fire services and in fire and rescue services. In the central structure of CNVVF he was active in standardization and fire prevention, and for several years directed the information technology sector. He has published articles and books on fire safety engineering and the application of ICT to rescue services.

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  CAP and Related Activities in Zimbabwe

**Amos Makarau**

### 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.
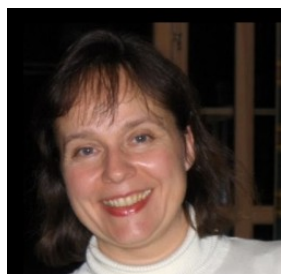
### 3.x  CAP at the Deutscher Wetterdienst

**Eduard Rosert**

### 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**

### 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 Project PHAROS use of CAP

**Monika Friedemann**

### 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.