



CAP in Italy

Updates on the CAP implementation status in Italy

Stefano Marsella – CNVVF

Marcello Marzoli - CNVVF



Italian National Fire Corps (CNPVVF)



Italian National Fire Corps (CNPVVF)



- Fire protection rules
- Fire safety controls on high fire risk buildings (> 100.000/year)
- Controls on “Seveso” plants (> 300)
- Fire safety controls on radioactive substances storage buildings
- Fire safety controls on Cultural Heritage buildings



- 16 Canadair CL 415
- AB 412
- 2 Piaggio P180
- Sikorsky
- Erickson S64F
- UAVs



3 central training centers

- Divers stations
- Floods rescue
- Harbors Fire service



CNVVF interoperability policy: CAP adoption



The screenshot shows the official website of the Italian Fire Department (CNVVF). At the top, there is a search bar and navigation links for '115 Numero d'emergenza', 'Italia.gov.it', and 'MINISTERO DELL'INTERNO'. The main header features the CNVVF logo and the text 'Dipartimento dei Vigili del Fuoco, del Soccorso Pubblico e della Difesa Civile' and 'CORPO NAZIONALE DEI VIGILI DEL FUOCO'. Below the header, there are navigation tabs for 'Emergenza e soccorso', 'Prevenzione e sicurezza', 'Difesa civile', and 'Formazione'. The main content area displays a news item titled 'Decreto 23 maggio 2011' (circled in red), which is the 'Decreto CAP n. 71 del 23-05-2011'. The text of the decree is partially visible, mentioning the approval of the CAP profile for interoperability. On the left side, there is a sidebar with various links such as 'Organizzazione', 'Organigramma', and 'Amministrazione On Line'. On the right side, there is an 'Allegati' section listing the CAP profile and the 2008 decree.

Interoperability between emergency stakeholders: data interoperability

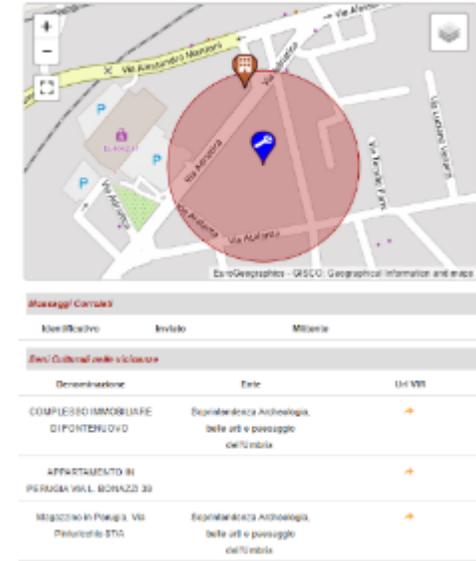
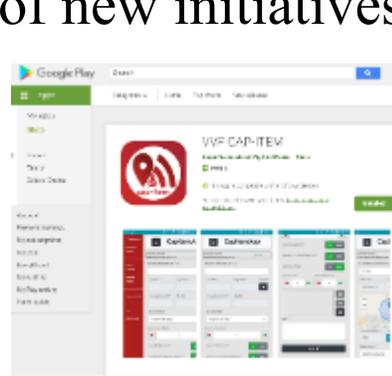


Interoperability btw emergency stakeholders: App and Cultural Heritage

The Italian National Fire Corps operational data sharing initiative is continuously progressing since 2008
 The number of rescue Authority and stakeholders which share operational data with CNVVF increased even this year

We will present here updates on a couple of new initiatives:

1. A new App to collect accurately georefered data ready to be shared via CAP messages
2. The first operational trial of interoperability service to share data in emergency between the Italian National Fire Corps and Cultural Heritage (CH) Authorities



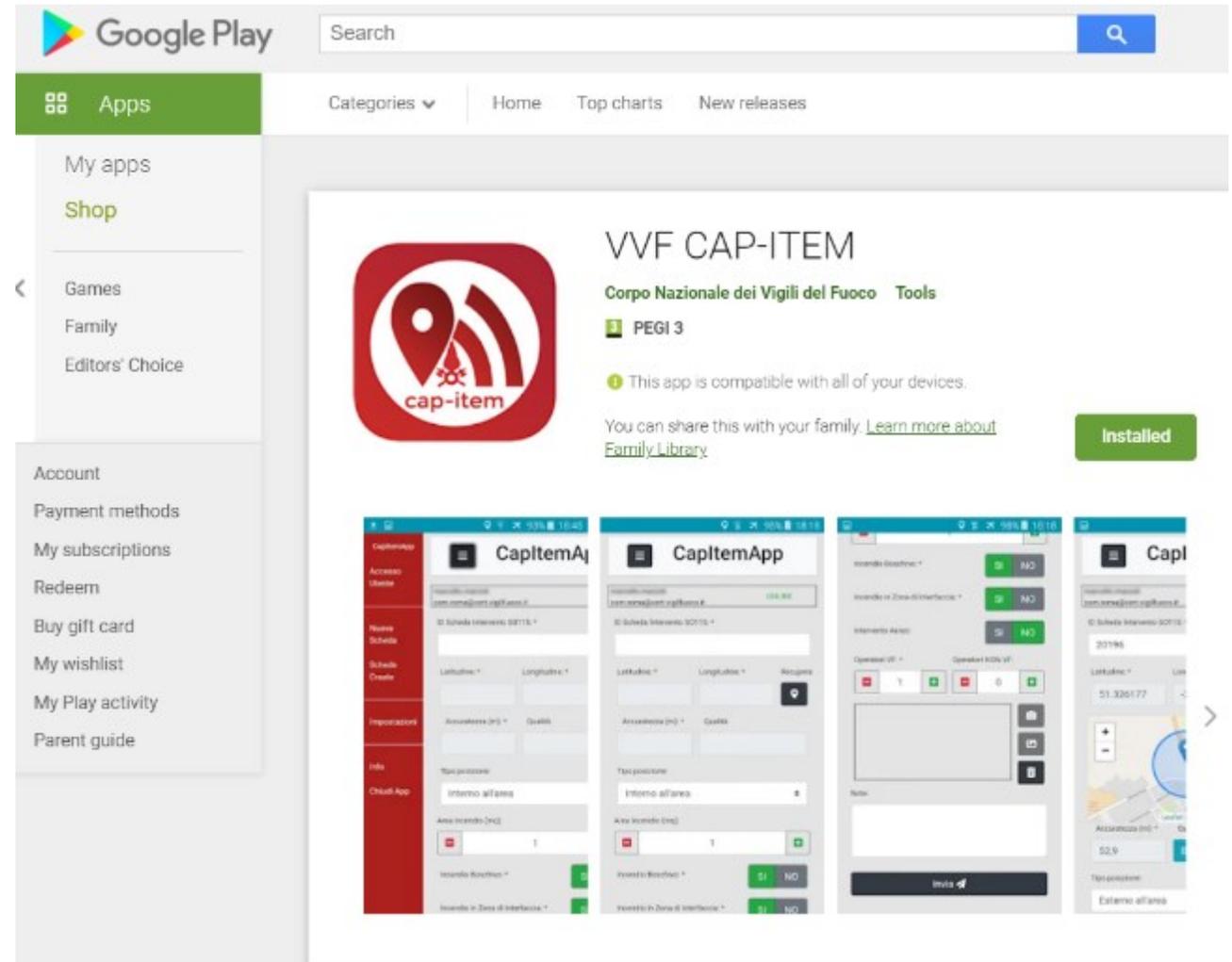
Enhancing location accuracy through dedicated app

In this summer, the Italian National Fire Corps published an App aimed at supporting the firemen in their work.

Access and authentication off the App are centrally managed for all the 35.000 professionals.

Data collected through is saved locally up to the availability of a network and then sent to the interoperability service which generate a CAP ready to be shared in real time with any other Authority or Service.

Each CAP is linked to the one issued by the Control Centre through a double value into the <incidents> field.



Enhancing location accuracy through dedicated app for WUI

The main target for the VVF CAP-ITEM APP is to enhance location accuracy of the incidents managed by firemen, in particular for:

- Wildland fires
- Flash floods and hydrogeological instability-related incidents

whereas the location accuracy of operational resources is shaky



Interoperability CNVVF vs. Ministero dei Beni Culturali (Cultural Heritage Authority)

 *Ministero per i beni e le attività culturali e per il turismo*

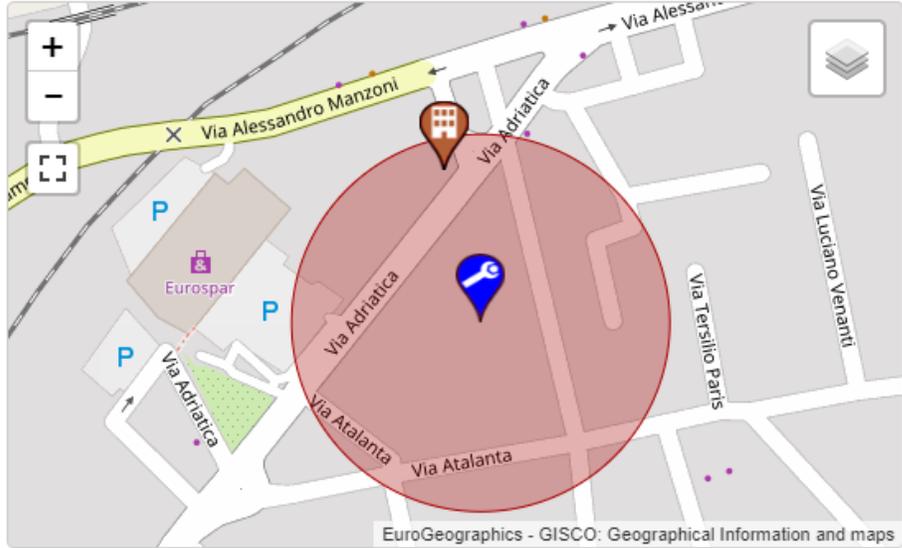
VINCOLI *in* rete



- Cultural Heritage Authority (MIBAC) provide real-time access to their interoperability service (Vincoli in Rete) which collect 200,000+ listed buildings, churches, monuments, archaeological sites and items from four extensive geo-referenced lists to Italian National Fire Corps (CNVVF) 100+ Control Centres
- CNVVF will notify MIBAC in real-time details of emergency-related activities which could impact specific Cultural Heritages



Implementation of interoperability service btw CNVVF & Ministero dei Beni Culturali



Messaggi Correlati

Identificativo	Inviato	Mittente
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Beni Culturali nelle vicinanze

Denominazione	Ente	Uri VIR
COMPLESSO IMMOBILIARE DI FONTENUOVO	Soprintendenza Archeologia, belle arti e paesaggio dell'Umbria	
APPARTAMENTO IN PERUGIA VIA L. BONAZZI 39		→
Magazzino in Perugia, Via Pinturicchio 87/A	Soprintendenza Archeologia, belle arti e paesaggio dell'Umbria	→

VINCOLI in rete

Ministero per i beni e le attività culturali e per il turismo

RICERCA BENI | RICERCA SEGNALAZIONI | RICERCA GEOGRAFICA

RICERCA ATTI AMMINISTRATIVI | STATISTICHE

Sel in: **Dettaglio Bene**

Dettaglio bene

Scarica | Seleziona formato | VAI

ID	2508873
Codice regione	
Numero catalogo generale	
Suffisso numero catalogo generale	
Livello	
Denominazione	COMPLESSO IMMOBILIARE DI FONTENUOVO
Architettura	
Tipo bene	chiesa
Condizione Giuridica	proprietà ente religioso cattolico

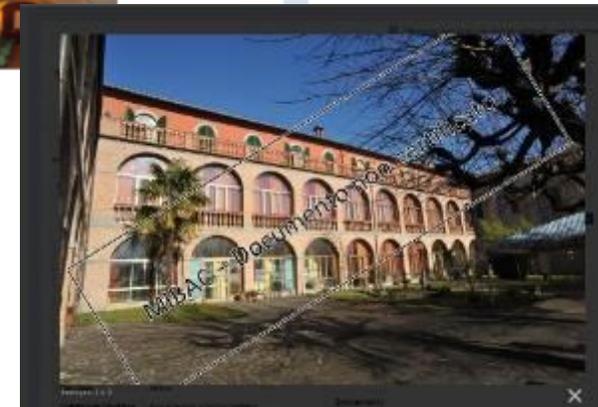
Vincoli

► Elenco Vincoli

Immagini e fotografie

Documenti

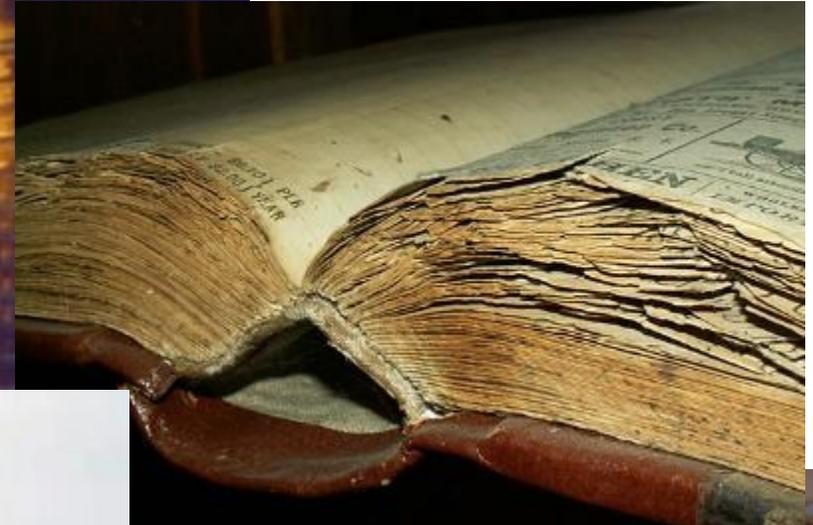
► Allegato #1552031



Cultural heritage vs. Fire Corps interoperability service. Benefits for CNVVF

The Fire Corps officers obtain reliable information on the potential impact of any incident over Cultural Heritage assets.

Having such information, the officers can – between others - modify the incident priority, raise the awareness of the officers in place and/or contact straight away the competent Authority.



Cultural heritage vs. Fire Corps interoperability service. Benefits for CH

The CH Authority receives:

- a reliable flow of information on incidents impacting Cultural Heritage assets
- Cultural Heritage assets-related photos and videos captured in the very first phase of the emergency

both useful to facilitate the restoration activities to come





EU Innovation Action on preparedness (<https://www.in-prep.eu/>)

An INtegrated next generation PREParedness programme for improving effective inter-organisational response capacity in complex environments of disasters and causes of crises

2nd Full-Scale Exercise (FSX) in Genova and Savona (Italy) on 28 October 2020

In the 2nd FSX, the scenario, evolved in the Liguria region, is based on natural and manmade asymmetric threats resulting to transport (rail and road) critical infrastructure accidents and a series of SEVESO related hazards. This complex scenario will require participants to use IN-PREP's MRPP technology to coordinate the response by comprehending the dynamics of the threats and evacuating victims to a safe area and through the provision of emergency medical care.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 883520. This communication material reflects only the authors' views and the Research Executive Agency (REA) is not responsible for any use that may be made of the information it contains.



STRATEGY
Interoperability for crisis management

European wide project on Interoperability for Crisis Management

Facilitating EU pre-Standardization process Through streamlining and validating interoperability in systems and procedures involved in the crisis management cycle

STRATEGY will propose, test and validate a new **pre-standardisation framework** that is bringing together industry that is developing products and **solutions for natural hazards and CBRNE crisis management**, related research organizations, standardisation experts, **National Standardisation Bodies** and **First Responders** (FR) and is using a realistic environment in order to trigger the proper FR and experts feedback when **assessing existing and evolving standards or propose new ones**.



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STRATEGY
Interoperability for crisis management

European wide project on Interoperability for Crisis Management

Facilitating EU pre-Standardization process Through streamlining and validating interoperability in systems and procedures involved in the crisis management cycle

Three-year-long project funded by the European Commission, Horizon 2020 Programme.
KO: 1st Sept 2020

The project consortium consists of 23 organisations representing 14 European countries.



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Interoperability for crisis management

European wide project on Interoperability for Crisis Management

Facilitating EU pre-Standardization process Through streamlining and validating interoperability in systems and procedures involved in the crisis management cycle

Project consortium (1):

SATWAYS LTD

FRAUNHOFER-GESELLSCHAFT ZUR FÖRDERUNG DER ANGEWANDTEN FORSCHUNG E.V

WOITSCH CONSULTING OY

HANDHOLD

SINTEF AS

TRILATERAL RESEARCH LTD

INSTITUTE OF COMMUNICATION AND COMPUTER SYSTEMS

DEEP BLUE SRL



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Project consortium (2):

NEDERLANDSE ORGANISATIE VOOR TOEGEPAST NATUURWETENSCHAPPELIJK ONDERZOEK (TNO)

KENTRO MELETON ASFALEIAS

ATOS IT

AUSTRIAN STANDARDS INTERNATIONAL

FINNISH STANDARDS ASSOCIATION

ASOCIACIÓN ESPAÑOLA DE NORMALIZACIÓN

ROMANIAN STANDARDS ASSOCIATION

SWEDISH INSTITUTE FOR STANDARDS



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Project consortium (3):

MINISTÉRIO DA DEFESA NACIONAL / CENTRO DE INVESTIGAÇÃO DA ACADEMIA MILITAR / UNIDADE MILITAR
LABORATORIAL DE DEFESA BIOLÓGICA E QUÍMICA

SAMU DE PARIS – EMERGENCY MEDICAL SERVICE

MINISTERO DELL'INTERNO - ITALY

VEILIGHEIDSREGIO IJSSELLAND

HELLENIC POLICE

MINISTRY OF NATIONAL DEFENCE – GREECE

EUROPEAN ORGANISATION FOR SECURITY



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The following EDXL standards are included into workplan since the beginning:

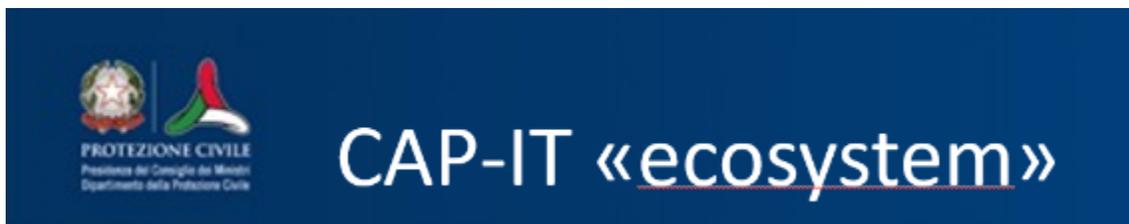
- alerts and incident exchange (EDXL-CAP)
- resource messaging (EDXL-CAP)
- tracking of emergency patients (EDXL-TEP)
- hospital availability (EDXL-HAVE)
- situational reporting (EDXL-SitRep)



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Italian Civil Protection interoperability initiatives

CNVVF follows with great interest the initiatives of the Italian National Civil Protection in terms of interoperability stemming from:



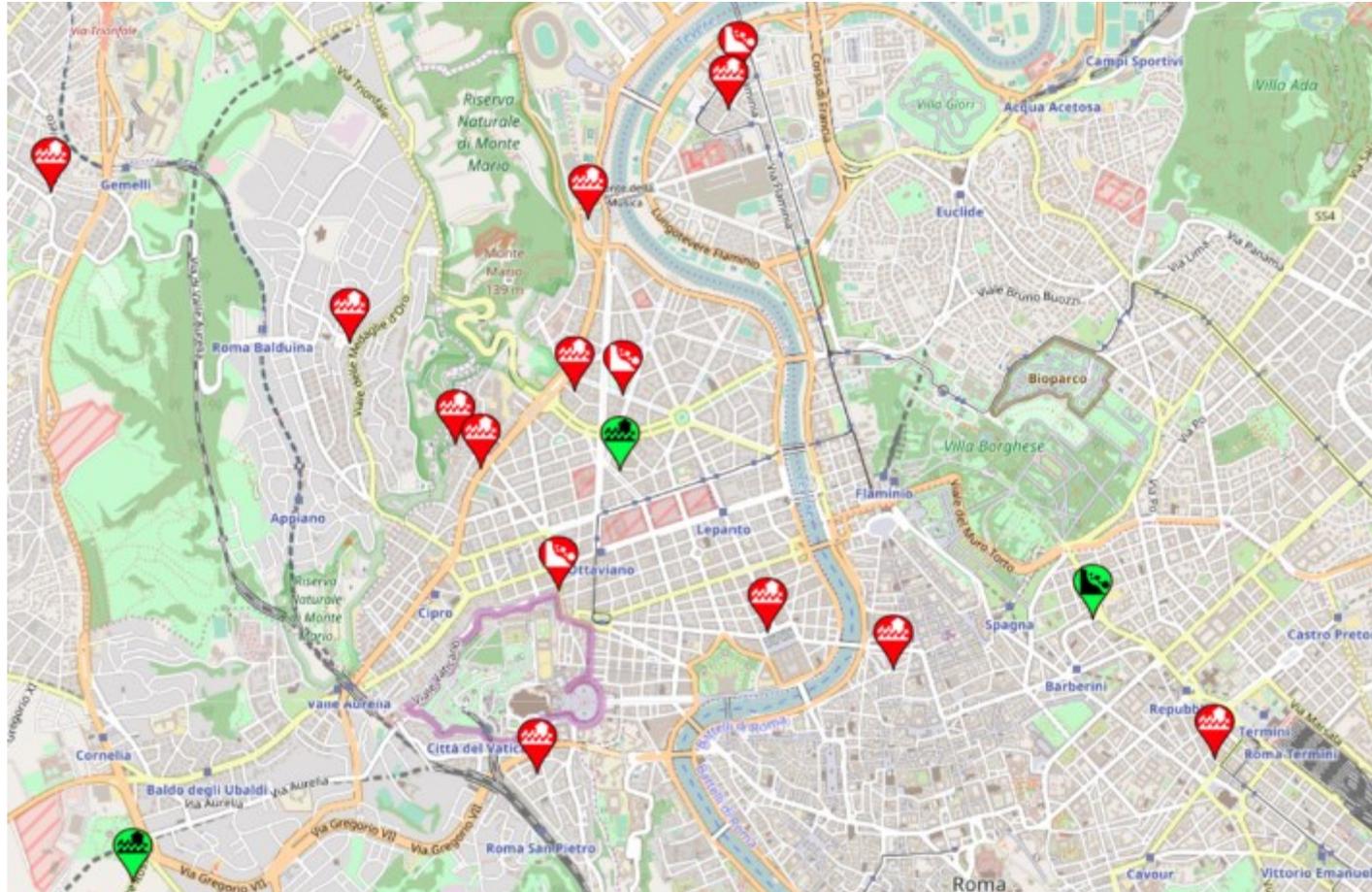
ETSI TS 102 900 V1.3.1 (2019-02)

TECHNICAL SPECIFICATION

**Emergency Communications (EMTEL);
European Public Warning System (EU-ALERT)
using the Cell Broadcast Service**

MINISTERO DELL'INTERNO

DIPARTIMENTO DEI VIGILI DEL FUOCO DEL SOCCORSO PUBBLICO E DELLA DIFESA CIVILE



Thank you