



FIRE-IN

Fire and REscue Innovation Network



NETRisk 20171005

Partners brief presentation

1. **SAFE CLUSTER**, France (SAFE)
2. Ecole Nationale Supérieure des Officiers de Sapeurs-Pompiers, France (ENSOSP)
3. Italian Ministry of Interior, Department of Fire Corps, Public Rescue and Civil Defence, Italy (CNVVF)
4. Bundesanstalt Technisches Hilfswerk, Germany (THW)
5. Global Fire Monitoring Centre, Germany (GFMC)
6. European Virtual Institute for Integrated Risk Management, Germany (EU-VRI)
And 3rd Partie Ineris Dev.
7. Fraunhofer INT, Germany (FhG-INT)
8. Fire Ecology and Management Foundation Pau Costa Alcubierre, Spain (PCF)
9. Catalonia Fire Service Rescue Agency, Spain (CFS)
10. Scientific and Research Centre for Fire Protection, Poland (CNBOP)
11. The Main School of Fire Services – Poland (SGSP)
12. Council of Baltic Sea States, Sweden (CBSS)
13. Civil Contingency Agency, Sweden (MSB)
14. KEMEA, Greece (KEMEA)
15. Czech Association of Fire Officer, Czech Republic (CAFO)
16. InnoTSD, France (INNO)





Main Objective

Improve the national
and European Fire &
Rescue capability
development
process

Activities main lines:

- (i) identification and harmonisation of operational capability gaps
- (ii) scouting of promising solutions
- (iii) definition of a Fire & Rescue Strategic Research and Standardisation Agenda



| Conceptual pillars



Methodology

Project duration is 5 years. Work is organized in 3 cycles



1

Example of **capability gap** : The ability to know the location of responders and their proximity to risks and hazards in real time

2

Example of corresponding **RDI capability challenges** :

Indoor (Above and Below Ground) Responder Geolocation , Outdoor Responder Geolocation , Maritime (Above and Below Water) Geolocation, Infrastructure Standards for Technology Integration



5 Thematic Working Groups + involvement of Associated Experts



A. Search and Rescue (SAR) and emergency Medical Response

CFS,
SAFE, ENSOSP, CNVVF,
CAFO

B. Structures fires

CNVVF
ENSOSP, CAFO, SGSP,
MSB

C. Vegetation fires

GFMC
CFS, PCF, MSB, KEMEA

D. Natural disasters

THW
MSB, CNVVF, CFS, KEMEA

E. CBRNE

CAFO
ENSOSP, SGSP,
KEMEA, CNVVF



FIRE-IN

Associated Experts (AE) community

(international community including key thematic practitioner experts from public, private, NGOs bodies, and representative of thematic working groups from existing networks)

1000 experts expected



Methodology

Works exploring operational, supporting and preparatory tasks
in the transversal domains

Education , training and skills

Standards Operating Procedures

Practitioners safety and health

Prevention, regulation, policy

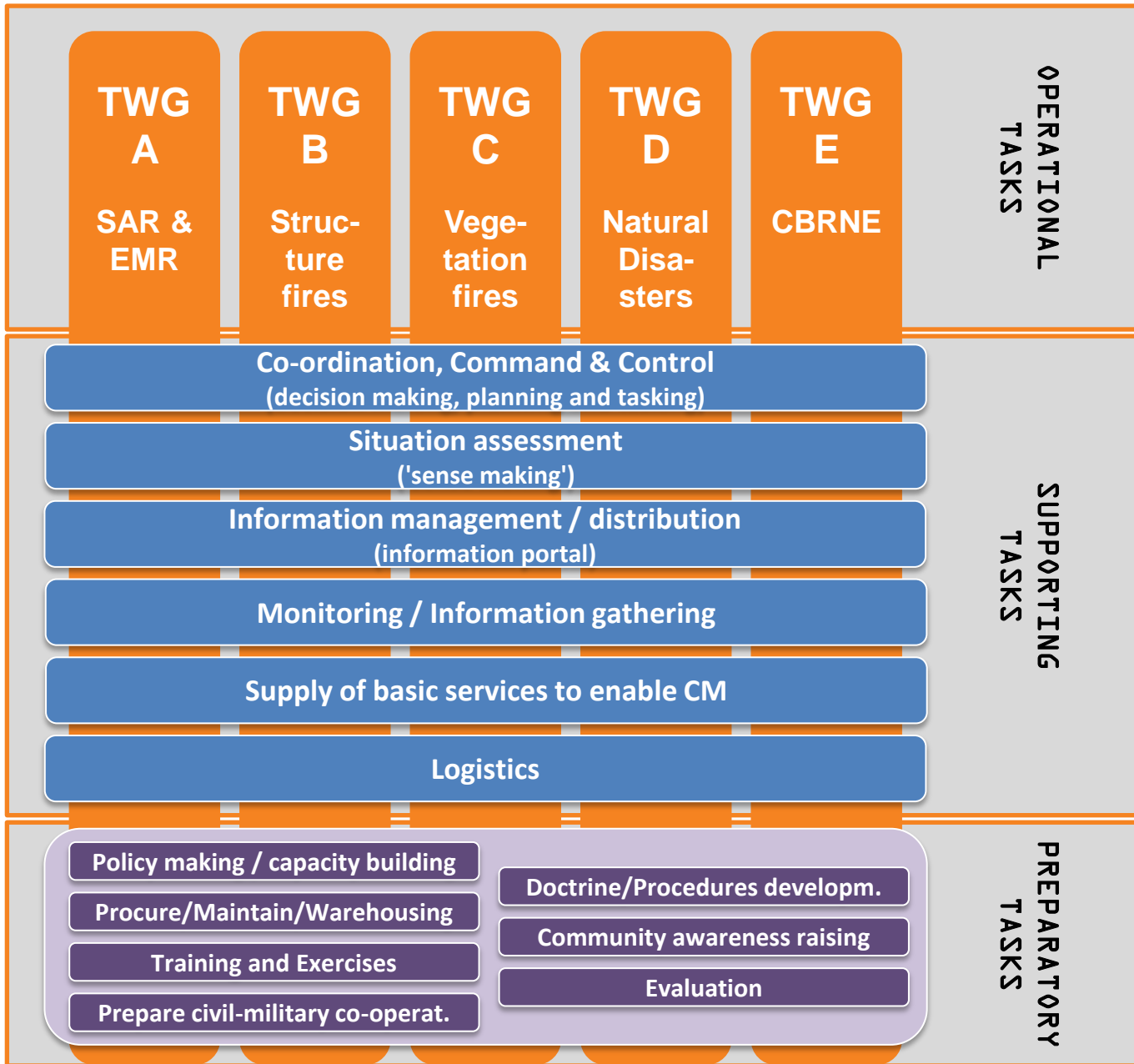
Preparedness

Operations management and command,

Logistic and support

Aerial operations





Interactions with existing networks and communities

- Networks and communities identification (thematic, works, PoC)
- Sharing of information and results
- Involvement of key experts / WG managers in the FIRE-IN associated experts



e-FIRE-IN platform

Lead by ENSOSP

Interactions with practitioners

Interactions with RDI and standardisation bodies

Dissemination

Tools



Working groups and knowledge management



Request for ideas & Research Monitoring



Results publication



Events organisation: workshops and conferences



e-FIRE-IN : Working groups and knowledge management

- Thematic and transversal issues working groups (moderator, associated experts)
- Knowledge management : sharing of
 - Project results / on going
 - Standardisation works / on going
 - Working groups results
 - Lessons learned
 - Position papers from results of workshops
 - ...



e-FIRE-IN : Request for ideas and RDI monitoring

- Periodic request for ideas, based on capability challenges defined by the practitioners
 - RTO may apply
 - Standardisation bodies may apply
 - Evaluation by the practitioners
 - Integration in the capability gaps review process
- RDI monitoring
 - Project summary, results may be implement on the platform
 - Evaluation by the practitioners (project vs practitioners expectations, potential operational interests)
 - Recommendations for the uptake or the industrialisation of the results



e-FIRE-IN : Results publication

- SRA and FSRA recommendations
- Recommendations for the uptake or the industrialisation of the results of projects
- Recommendations concerning priorities as regards domains requiring more standardisation

How to follow us

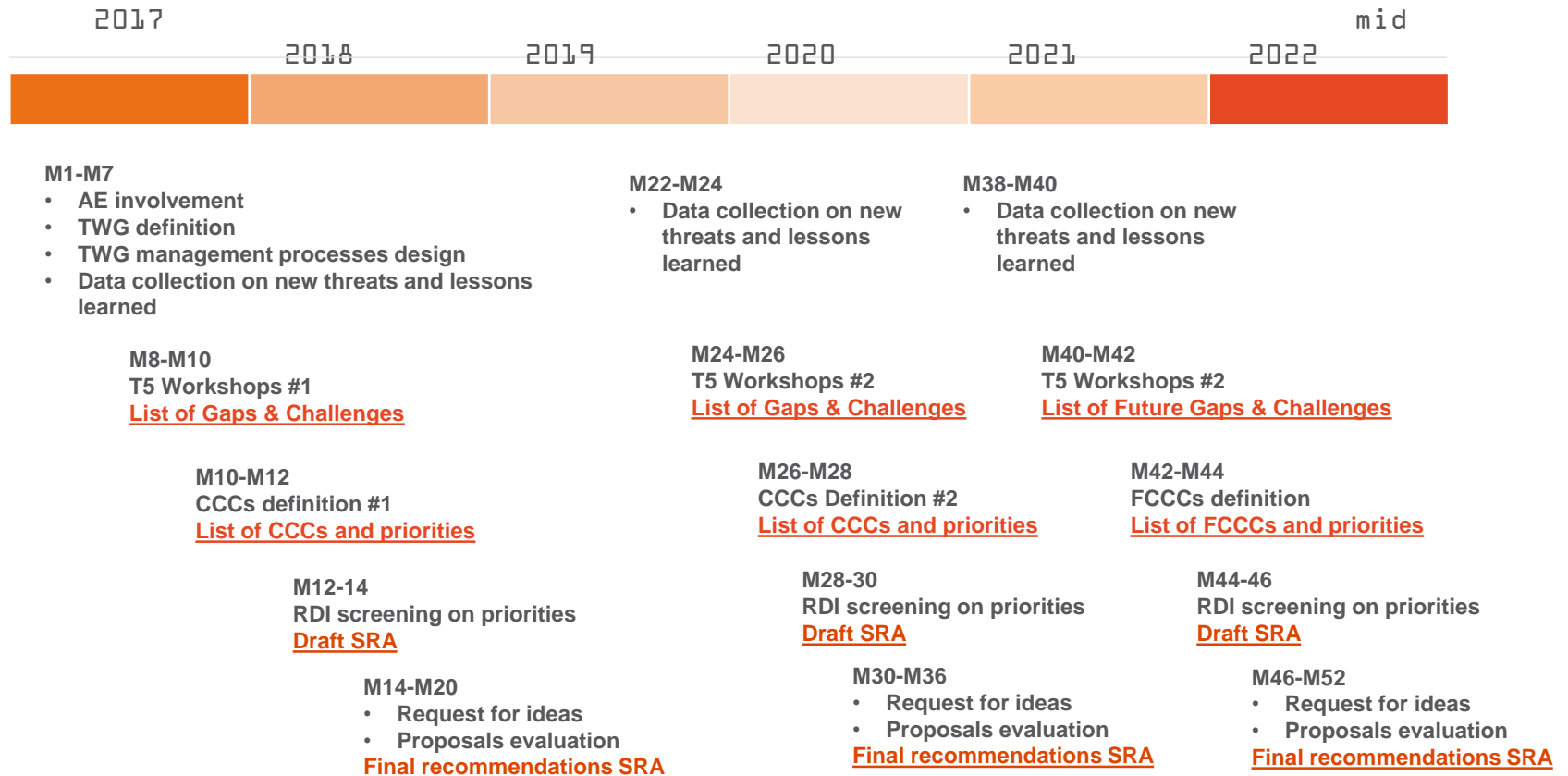
eFIRE-IN platform : the one stop shop for Fire and Rescue Innovation and Research

@FIREINProject



FIRE-IN Timeline

2017-2022



Project Benefits

Faster and cheaper access to state of the art technology for the whole Europe

01

Saving costs and optimising R&D investments

- ▶ Common products from common expectations and common standards
- ▶ Tests and experiments results shared at EU level
- ▶ R&D investments based on practitioners expectations

02

Reducing implementation time

- ▶ State of the art
- ▶ Increased innovation capabilities

03

Simplified access to state of the art technologies

- ▶ Increased interactions between technology providers and practitioners for tailor-made solutions

04

Simplifying collaboration between practitioners (EU and worldwide)

- ▶ Lessons learned sharing



FIRE-IN

Contact : jean-michel.dumaz@safeccluster.com

FIRE-IN has received funding from the European Union's Horizon 2020 Research and Innovation programme under grant agreement N°740 575

