

Venice - June 16th, 2014

THE INCLUSIVE PROJECT



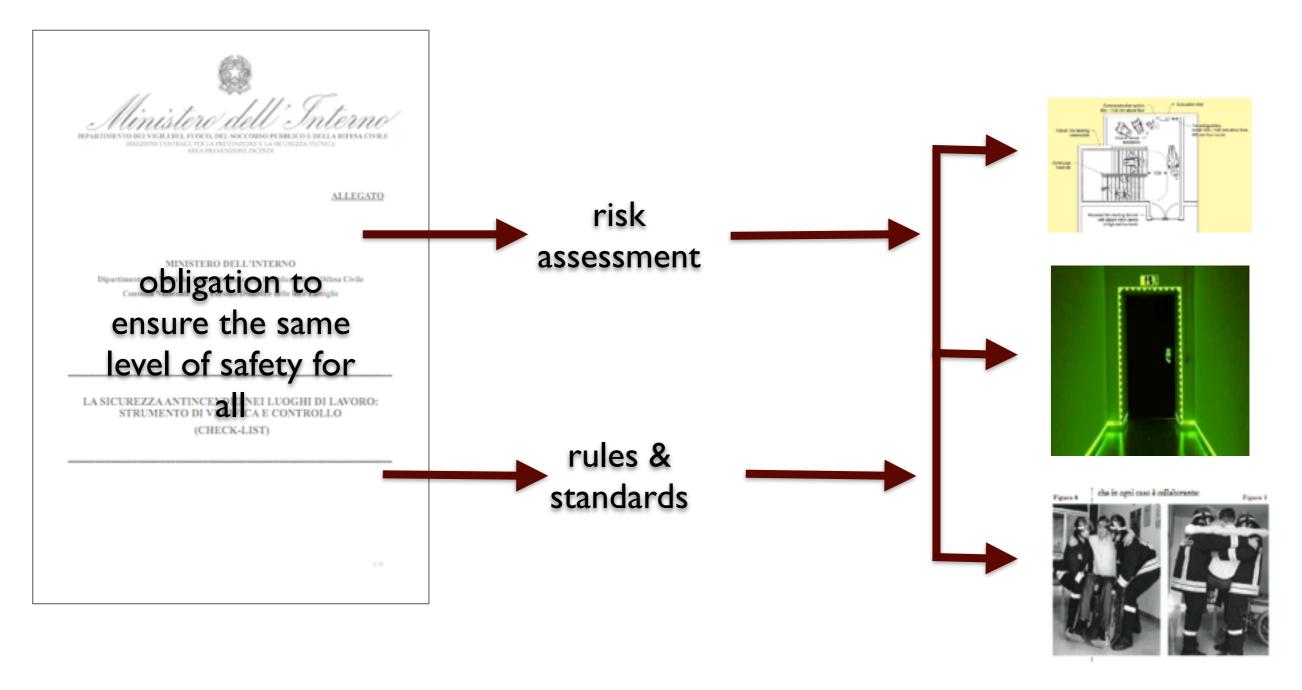
# Focus on the safety of people with special needs

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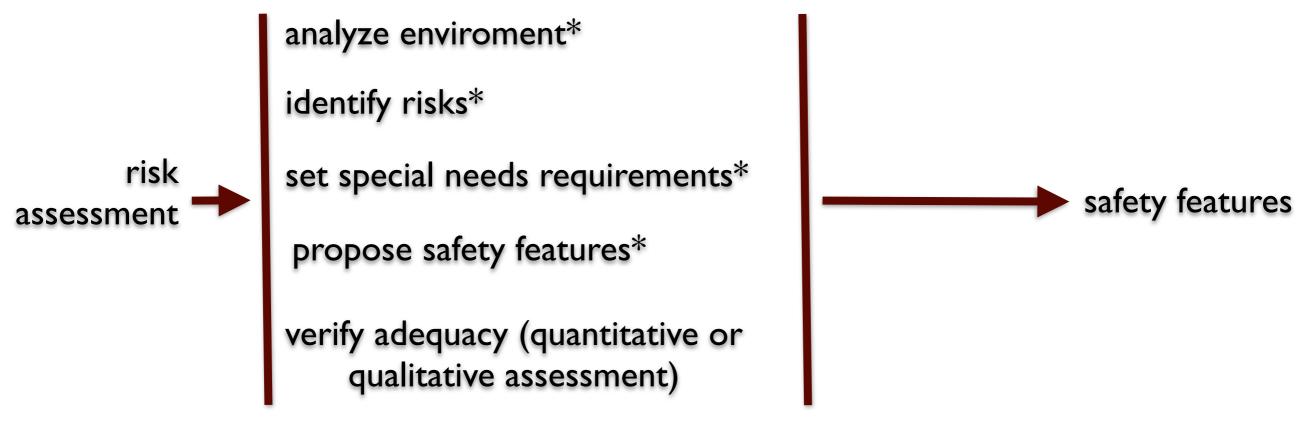
## special needs: safety in case of fire







## special needs: safety in case of fire



<sup>\*</sup> togheter with interested people, whenever possible

rules & safety features





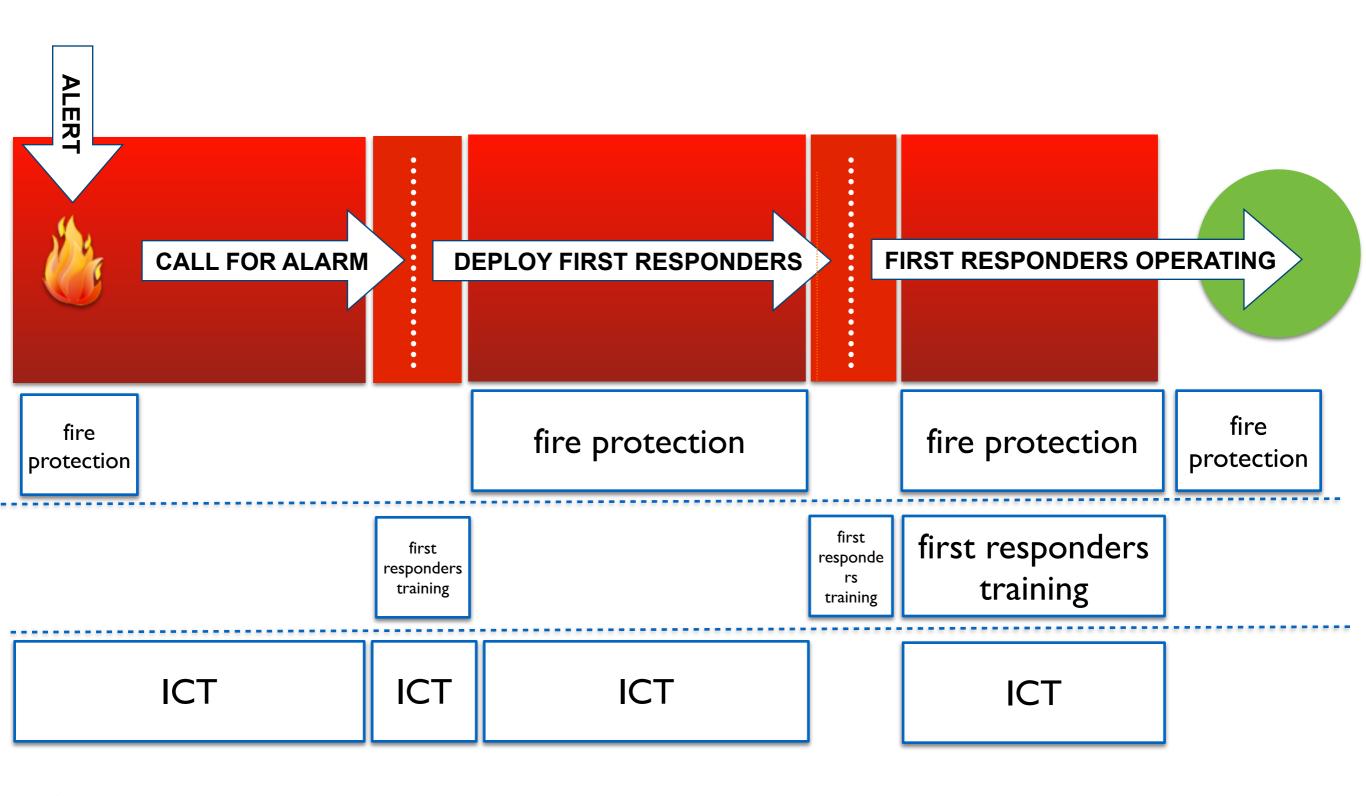
## special needs: safety in the general case

first responders difficulties in critical points dealing the call from difficulties in difficulties in dealing with difficulties in people with cognitive being people to be rescued being reached by illness or foreign alerted deaf people, language people **CALL FOR ALARM** FIRST RESPONDERS OPERATING **DEPLOY FIRST RESPONDERS** enviromental & communication critical points difficulties difficulties of difficulties in difficulties in dealing with first difficulties of calling and responders in movement/ movement/ alerting explaining the reaching reaching situation autonomously autonomously safe areas safe areas





## special needs: safety in the general case







#### special needs

- being alerted
- 2. raising the alarm, receiving/exchanging information with the control room
- 3. understanding what to do
- 4. moving along emergency egress routes
- 5. dealing with first responders



#### rescue services needs

- I. alert people
- 2. receiving the alarm, localizing the caller, understanding the caller's needs
- 3. explaining what to do
- 4. bringing the fastest service
- 5. dealing with the caller







VS

I. being alerted

fire protection

rules

alarm systems suitable to everybody needs:

- sound
- light, strobes
  - vibrations

I. alert people

ICT, social media

- mass alarm
- social media

while social media and emergencies are widely studied (i.e. EENA Cosmic project) there's a research gap about their application to inclusive needs





- 2. receiving/exchanging information with the control room
- 2. receiving/exchanging information with the caller

no
interface
with fire
protection

adopting more adequate communication technologies

The main problem is related to deaf people and people with cognitive disabilities. In both cases, the EU directive on Universal Services asks for the "Access to the publicly available telephone services to all, including people with special needs or low income, who may receive direct support public authorities".

The CNVVF has been following some relevant EU funded project:

- REACH 112 (http://www.reach112.eu) which has shown that 112 emergency call centers can be accessible for deaf people
- ESENET (<a href="http://www.esenet.org">http://www.esenet.org</a>) which has shown the need to develop new applications with existing technologies (even if R&D efforts are needed) but within a more appropriate legislative framework.

Consequently, the CNVVF is developing a cost free, web based solution aimed at giving access to deaf people to call the emergency number 115 and ask for rescue





- 3. understanding what the control room suggests to do
- 3. explaining to the caller what to do

fire protection
provisions
adequate to early
event phases



i.e. refugeareas,emergencymanagement

adopting more adequate communication technologies

Special needs are related to mobility impairments, language barriers, cognitive difficulties. Answers can be found in:

- training first responders to deal with the most of such needs;
- adopting an inclusive design of buildings and public spaces;
- developing ICT solution tailored to the needs

The EU implementation of the directive on Universal Services asks the answer to foreign language callers.

The CNVVF has started years ago systematic training at all levels of operations personnel to manage the rescue operations in case of special needs.





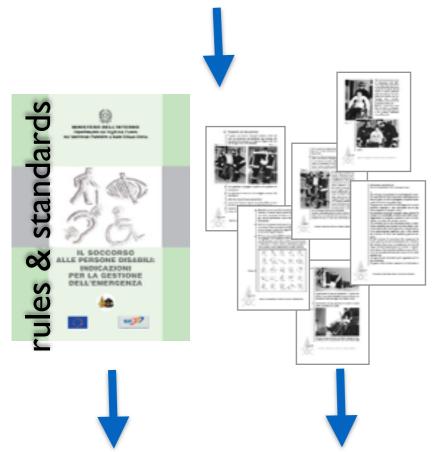
4. moving along emergency egress routes

fire protection provisions adequate to all the event phases 4.bringing the fastest service

weak interface with ICT

elderly people and people with cognitive illness can be helped by ITC special apps

SAVEME (<a href="http://www.saveme.org">http://www.saveme.org</a>) has shown that in complex buildings smatphone and tablet can help people orientating during emergencies

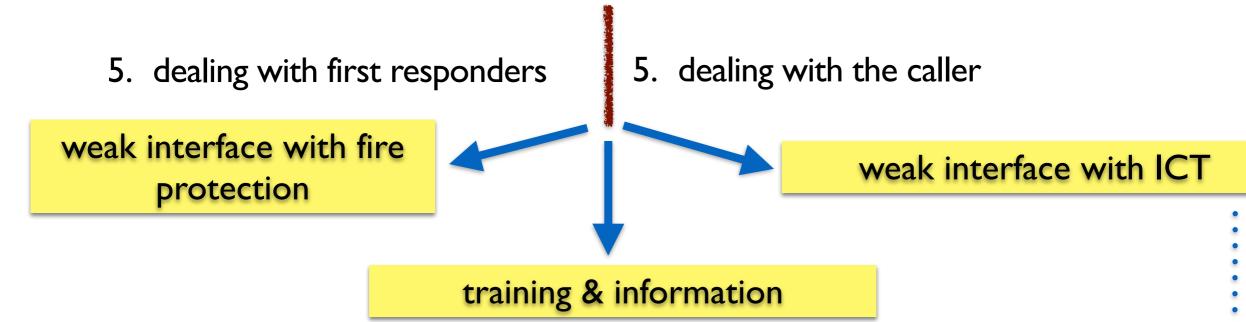


enhancement of rules, practices

dissemination to development of good employers, risk assesment professionals etc.







when the first responders get in touch with people to be rescued, the rescue needs must match with the capability of first responders to deal with such needs. the only way to improve such phase of the operations is to give an adequate training to first responders







### in which areas is it still safety lacking?

	multilingua I	aged persons	children	sensorial disability	phisical disability	mental illness
reaching people with correct information in ordinary condition			X			X
reaching people with correct information in emergency	X	X	X			X
helping people to get autonomously safety places	X		×/			X
helping people to get safety places	X		X			X



= partly/completely addressed

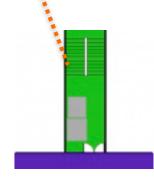


= not still addressed













#### partly addressed



	language barriers	aged persons	children	sensorial disability	phisical disability	mental illness
reaching people with correct information in ordinary condition	signs- in cormation	signs- information		signs- information	signs- information	X
reaching people with correct information in emergency	systems/ ICT	systems/ ICT	X	systems/ ICT	signs/ ICT	staff/ rescuer training
helping people to get autonomously safety places	fire protection	fire protection	fire protection	fire protection	fire protection	staff/ rescuer tr/ming
helping people to get safety places	fire protection - staff/rescuer training	fire protection - staff 'scuer caining	fire protection - staff/rescuer training	fire protection - staff/rescuer training	fire protection - staff/rescuer training	staff/ rescuer training

addressed to be addressed





## questions?



thank you



