

Venice - June 16th, 2014

THE INCLUSIVE PROJECT

For accessibility and safety



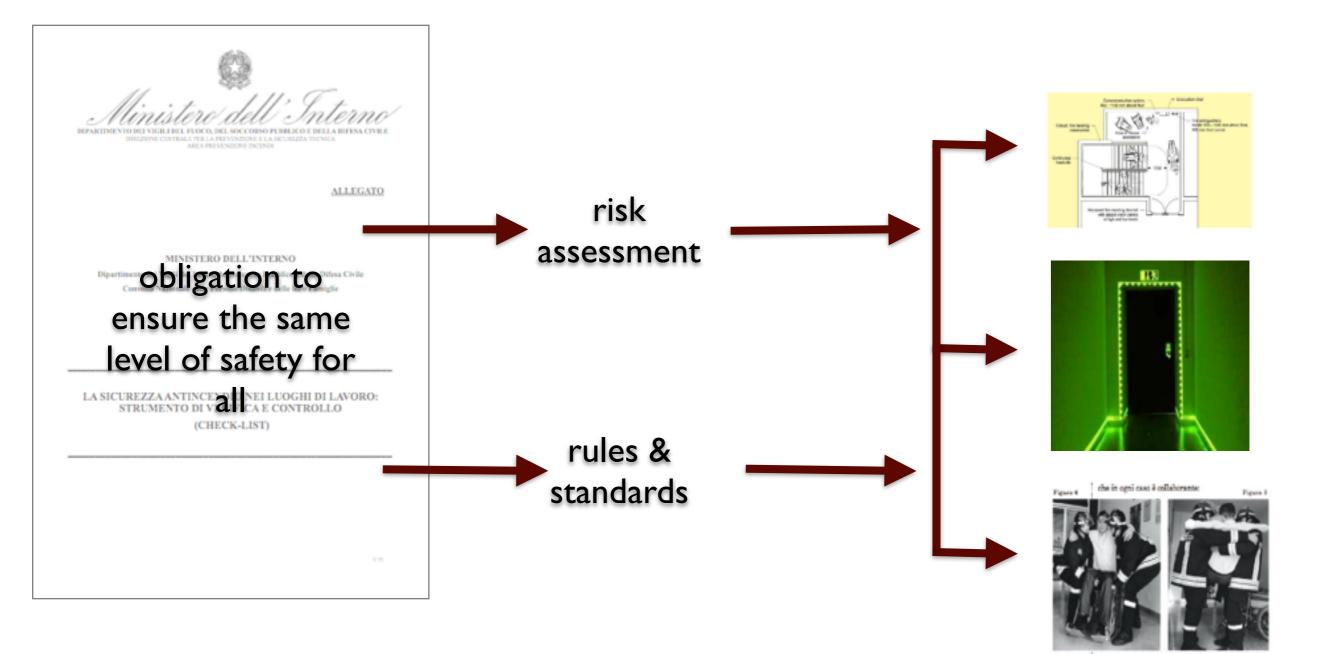
Focus on the safety of people with special needs

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special needs: safety in case of fire





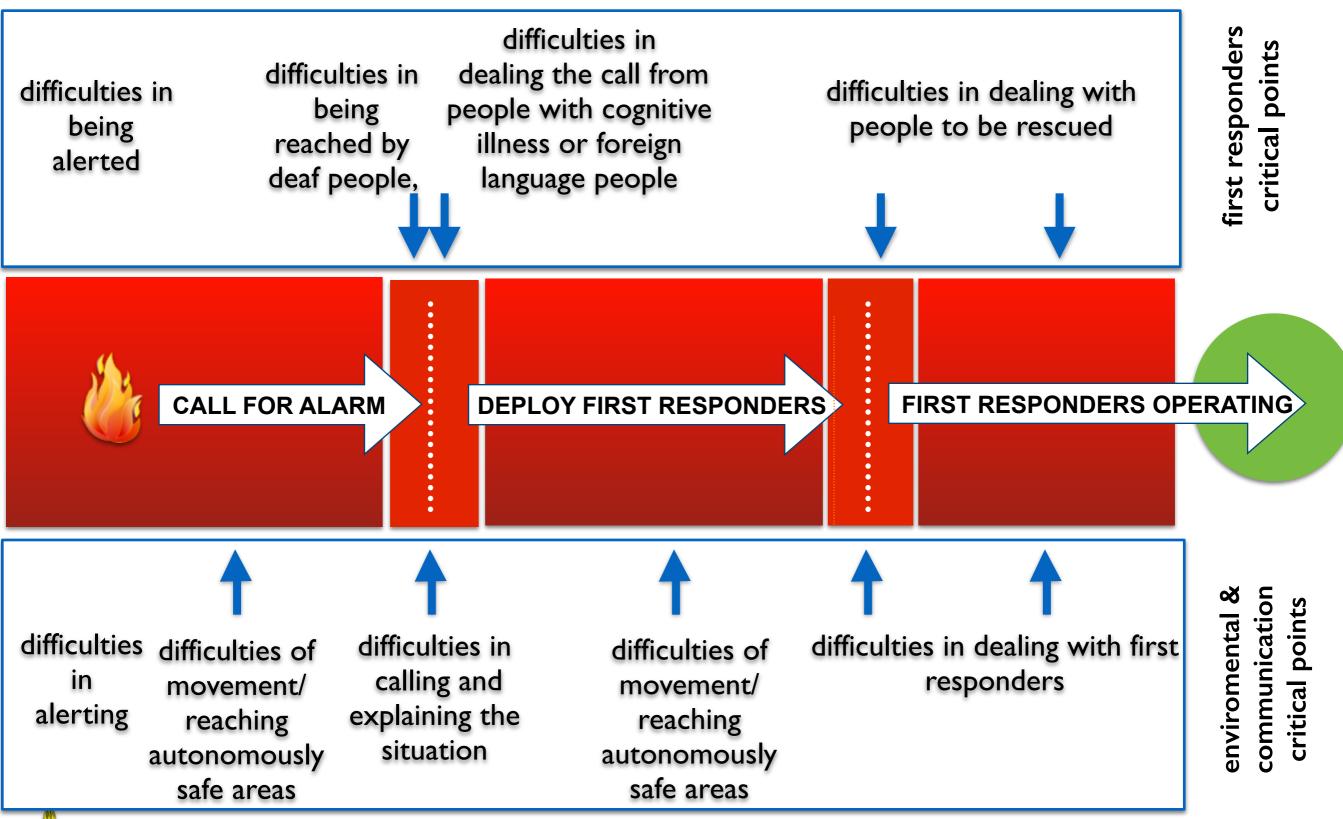


* togheter with interested people, whenever possible



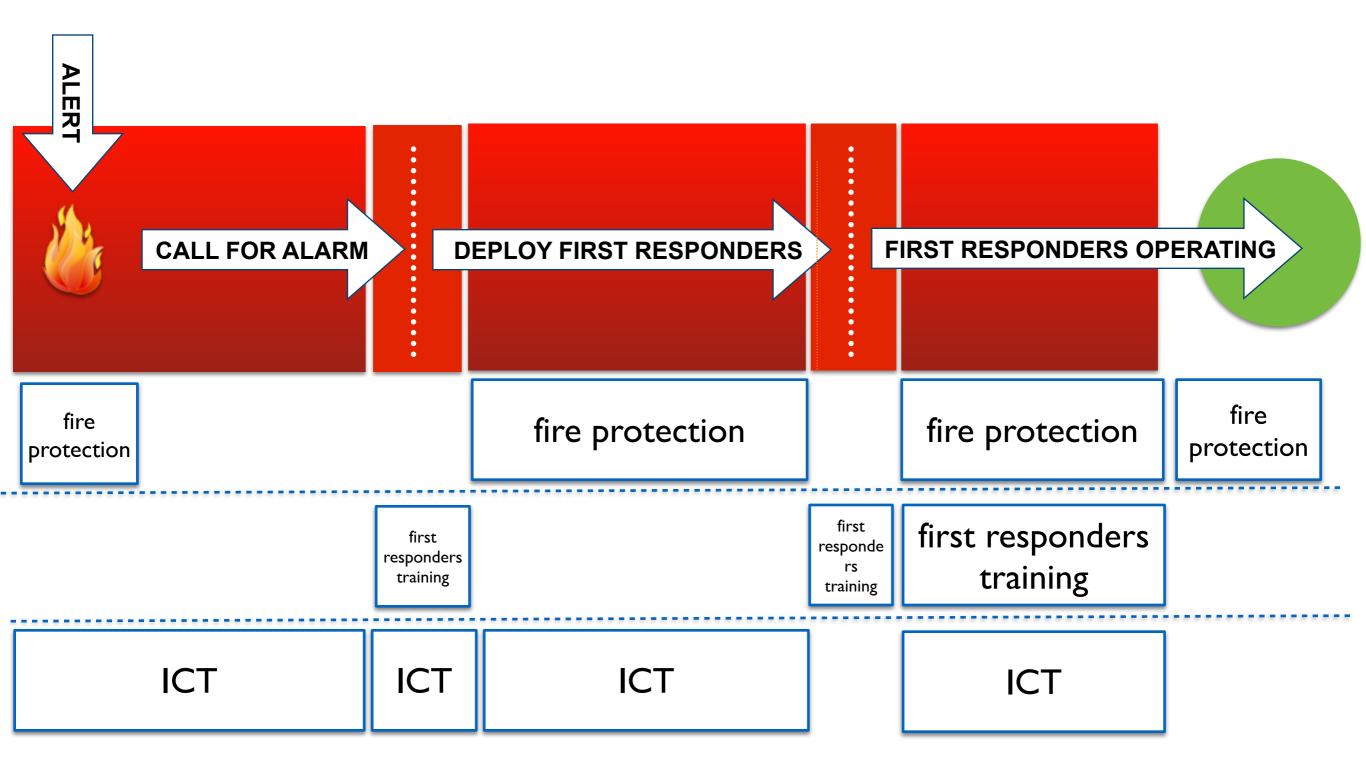


special needs: safety in the general case





special needs: safety in the general case





special needs

- I. 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



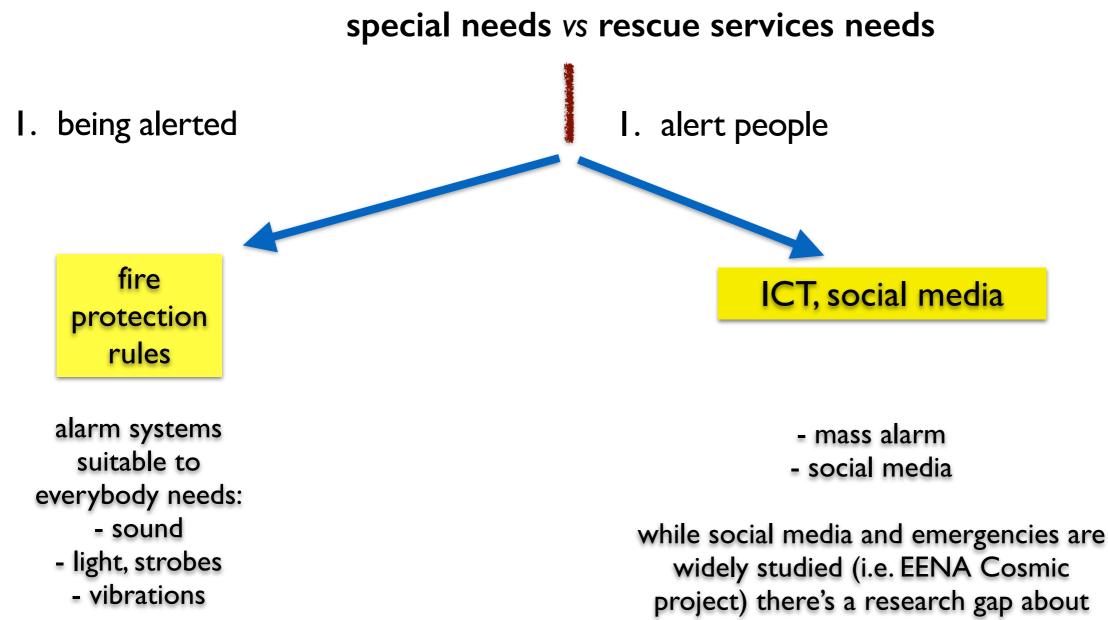
rescue services needs

- 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



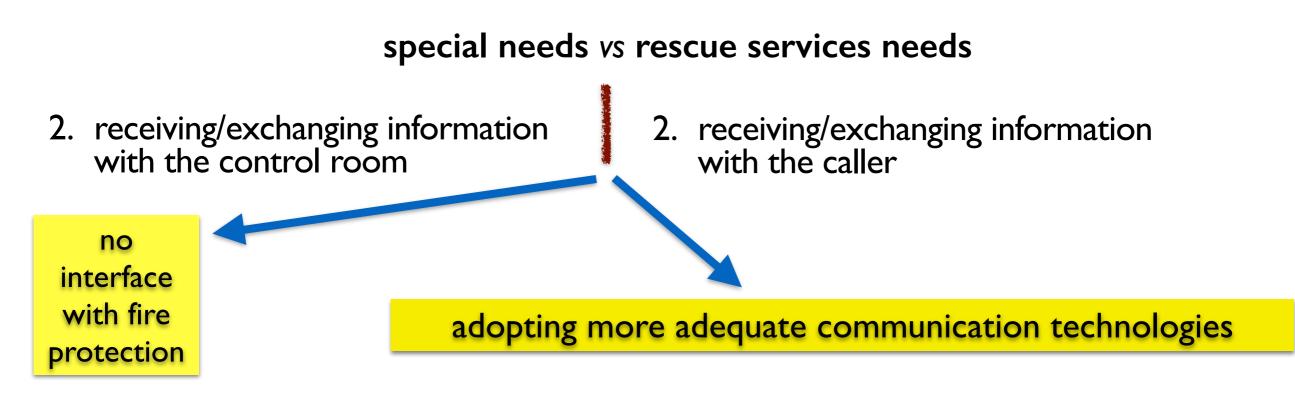


VS



project) there's a research gap about their application to inclusive needs





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 (<u>http://www.reach112.eu</u>) which has shown that 112 emergency call centers can be accessible for deaf people
- ESENET (<u>http://www.esenet.org</u>) 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



special needs vs rescue services needs

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

adopting more adequate

communication technologies

fire protection provisions adequate to early event phases

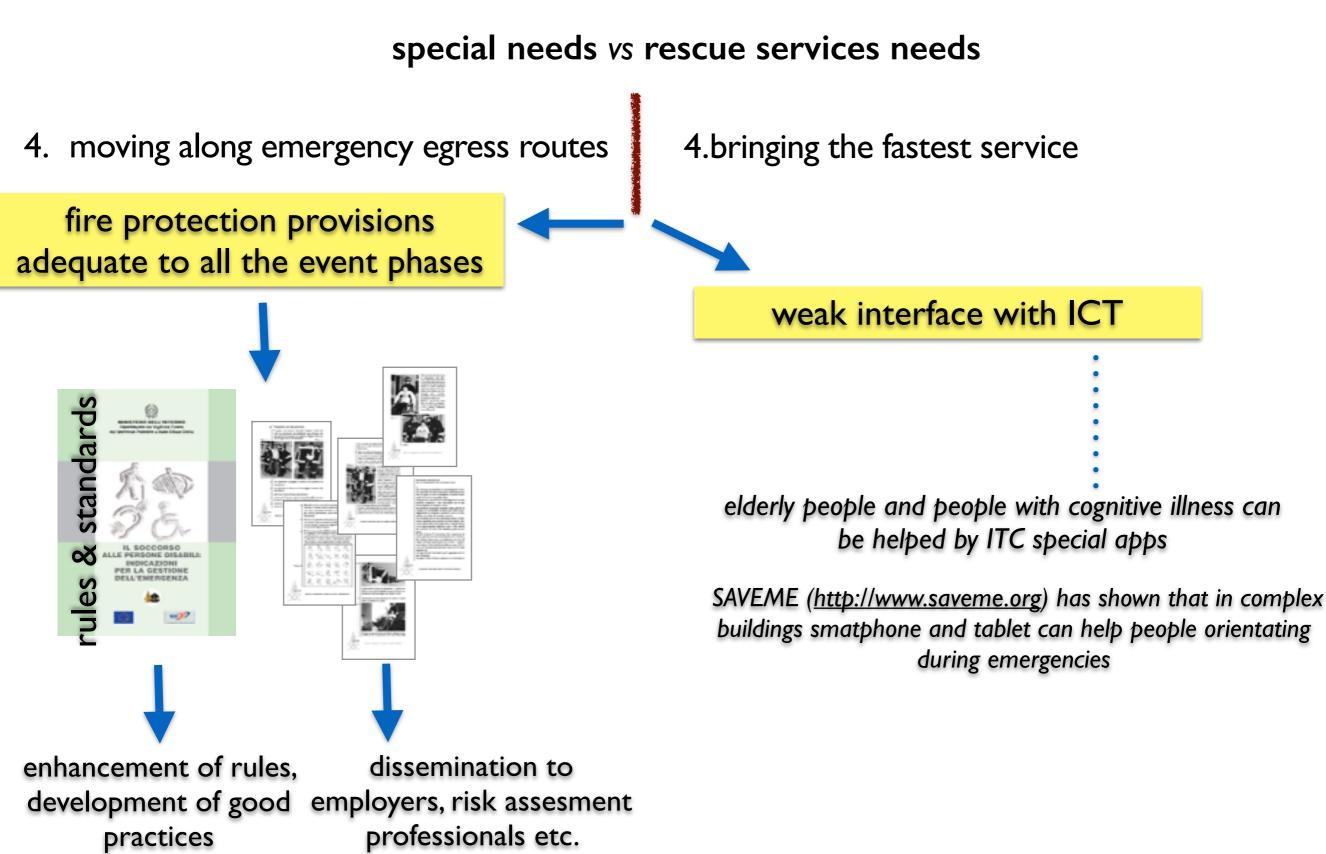
i.e. refuge areas, emergency management Special needs are related to mobility impairments, language barriers, cognitive difficulties. Answers can be found in:

- 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

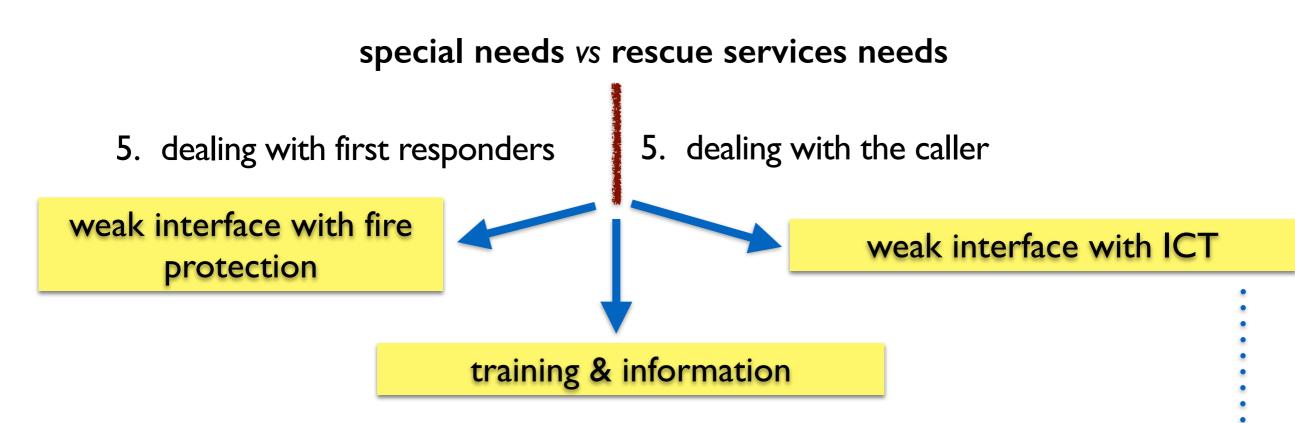
The EU implementation of the directive on Universal Services asks the answer to foreign language callers.

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

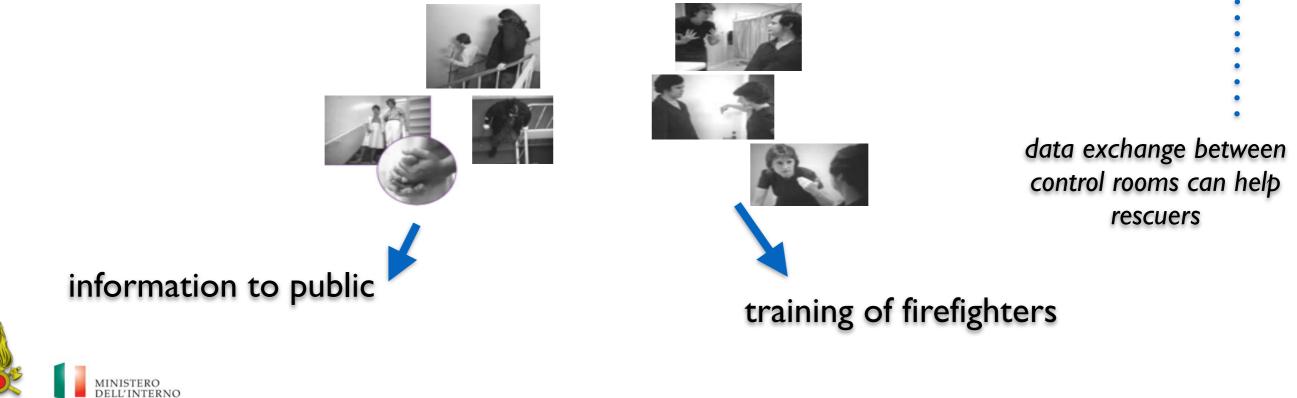








when the first responders get in touch with people to be rescued, the rescue needs must match with the capability of first responders to deal with such needs. the only way to improve such phase of the operations is to give an adequate training to first responders



in which areas is it still safety lacking?

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



= not still addressed





partly addressed



| | language barriers | aged persons | children | sensorial disability | phisical disability | mental illnes |
|--|--|--|--|--|--|-------------------------------|
| reaching people with correct information in ordinary condition | signs- ìn. ^c ormation | signs- information | X | 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 traming |
| helping people to get safety places | fire protection - staff/rescuer training | fire protection - staff '_scuer raming | fire protection - staff/rescuer training | fire protection - staff/rescuer training | fire protection - staff/rescuer training | staff/ rescuer training |
| | | | | | | |
| addwarad | I | 1 | 1 | <u> </u> | | I |

addressed

to be addressed



questions?



thank you

