



Ministry of Family, Labour and Social Services
General Directorate of Disabled and Elderly Services
Department of Accessibility

Workshop
**Accessibility of the Emergency
and Evacuation Plans
and Systems with
International Participation**

2° st Part
STUDIES ON THE GOOD PRACTICES
FROM DIFFERENT COUNTRIES
FOR ACCESSIBILITY OF EMERGENCY
AND EVACUATION PLANS AND SYSTEMS



INCLUSIVE SAFETY AND EMERGENCY MANAGEMENT AT HOME: TOOLS AND EXPERIENCES

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Soluzioni Emergenti main specialties

- Inclusive Safety
- Inclusive Emergency Plans
- Family Inclusive Emergency Plans
- Communication of emergency and communication into emergency
- Inclusive Civil Protection Plans
- Home safety when home is a working place during pandemic



Sars Cov 2 scenario



Home in Sars Cov 2 scenario



Differenet urban setting





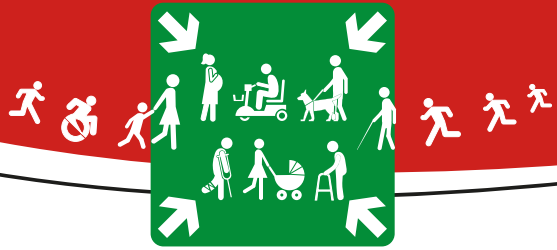
Emergency and Fragility

since 2014

“Emergency and Fragility rethinks urban planning and building design, considering both the particular needs of people and emergency scenarios”

Our goal is to disseminate our experience shared with rescuers, environment planners, disaster medicine experts, organisations of disabled people into daily practices. In the workplace as at home





Participation

Sharing experience and knowledge from different fields allows us to watch emergency from different perspectives.

- Italian Fire and Rescue Services
- Public Administrations and Institutions
- Technicians
- Experts in disaster management
- Research Institutes
- Civil Protection
- Red Cross
- Associations of people with disabilities
- Others subjects



The earthquake of 2016

Arquata del Tronto

“Disability and Emergency”
kickoff in 2016 in Ascoli Piceno,
one of the main cities of
Marche Region.

This area was struck by the
earthquake in 2016.



Disability in Emergency

This project was born as part of “Emergency and Fragility”.

It started with the cooperation between Municipality of Ascoli Piceno, Chamber of Architects and the Associations representing people with disabilities.

The aim was both mapping fragilities and giving information to people with disabilities and their families about safety and behaviors in case of other shakes.



Disability in Emergency

In summary, the project included the following actions:

- To get information on the specific needs and location of persons with disabilities and frail elderly people, to facilitate a proper intervention in case of necessity;
- To check the accessibility conditions of their accommodations in relation to rescue or evacuation operations;
- To give indications on the behavior to keep during emergencies;
- To support the preparation of Inclusive Family Emergency Plans and inform about the civil protection city plan.

Specific needs card

The image shows three overlapping forms. The top form is titled 'Specific needs card' and contains fields for personal information, disability type, and emergency contact. The middle form is titled 'Housing and building criticality sheet' and contains sections for accessibility assessment, evacuation routes, and emergency procedures. The bottom form is another 'Specific needs card' with similar fields to the top one.

Housing and building criticality sheet

IFEP Inclusive Family Emergency Plans

1. PREPARE FOR THE EMERGENCY

2. PEOPLE, RISKS, NEEDS

2.1 warn the danger

2.2 the possible response

Self answer

Answer with help

Need for aids

2.3 exit the building: yes, no, when

2.4 us and the rescuer

3. THE HOUSE / THE BUILDING

3.1 wayfinding and escape routes

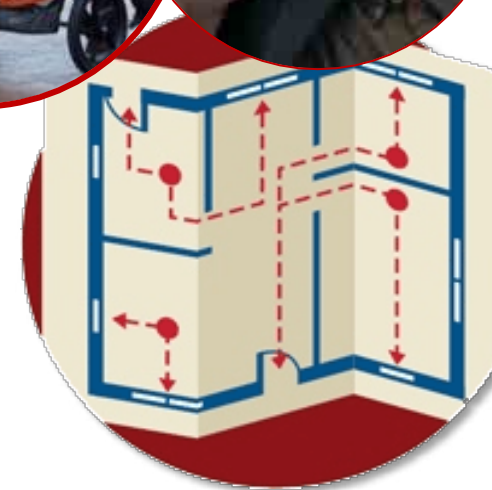
3.2 safe places in the home

3.3 safe places outside

3.4 safety systems

3.5 dangerous systems (gas, electrical and other)

4. HOW TO ASK FOR HELP



Declaring the specific needs
related to emergency response
in the forms

Home, fire and vulnerable people



A survey in Spain reports that the **77% of fires with victims involved houses** and the **60.1% of the victims is more than 65 years old**

<https://www.sfpe.org/events/EventDetails.aspx?id=1273841&hhSearchTerms=%22spain%22&fbclid=IwAR0xBEnzr4oXc9lSaNdztuuhFB040ZLV5BPTJ-5BEJXLX5uNjCdNNFVSAo>

In the US the **15% of people** who died in fires occurred in their house, have **physical disability**

https://www.nfpa.org/News-and-Research/Data-research-and-tools/Building-and-Life-Safety/Physical-disability-as-a-factor-in-home-fire-deaths?fbclid=IwAR3NYExUlu_4KjoCC1gwLRjj-coY0biMaIX8PPOHFRBe4SdZm3NstPNwK2k



Devices and tools

Environmental devices:

- “Area of refuge”, allows people, not able to evacuate through the stairs, to wait in a temporary safe place;
- Fire compartment: in large multi-storey buildings it is possible to think of a progressive horizontal exodus;
- Fire-fighting systems: smoke detection and fire extinguishing system;
- Multimodal alarm system.

Aids for evacuation:

- Evacuation chairs;
- Evacuation sheets.

Emergency planning:

- PEIF Inclusive Family Emergency Plans;
- PEIC inclusive condominium emergency plans.

Area of refuge



Inclusion and participation





EARTHQUAKE CENTRAL ITALY/ 2016

Disability and Emergency project

- Survey of specific individual needs
- Survey of environmental criticality
- Inclusive Family Emergency Plan
- Implementation of Civil Protection Plan



SARS COV2 PANDEMIC / 2020

Inclusive Rescue project

- Knowing specific individual needs
- Inclusive Rescue Operating Procedures
- Training of rescuers
- Guidelines for people with disabilities and caregivers



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SOSYAL HİZMETLER BAKANLIĞI

Rescuer Card

The “Rescuer card” is a summary document that provides immediate information about what to do and not to do when the rescuer gets in contact with a person with special needs and how to manage some particular rescue aspects.

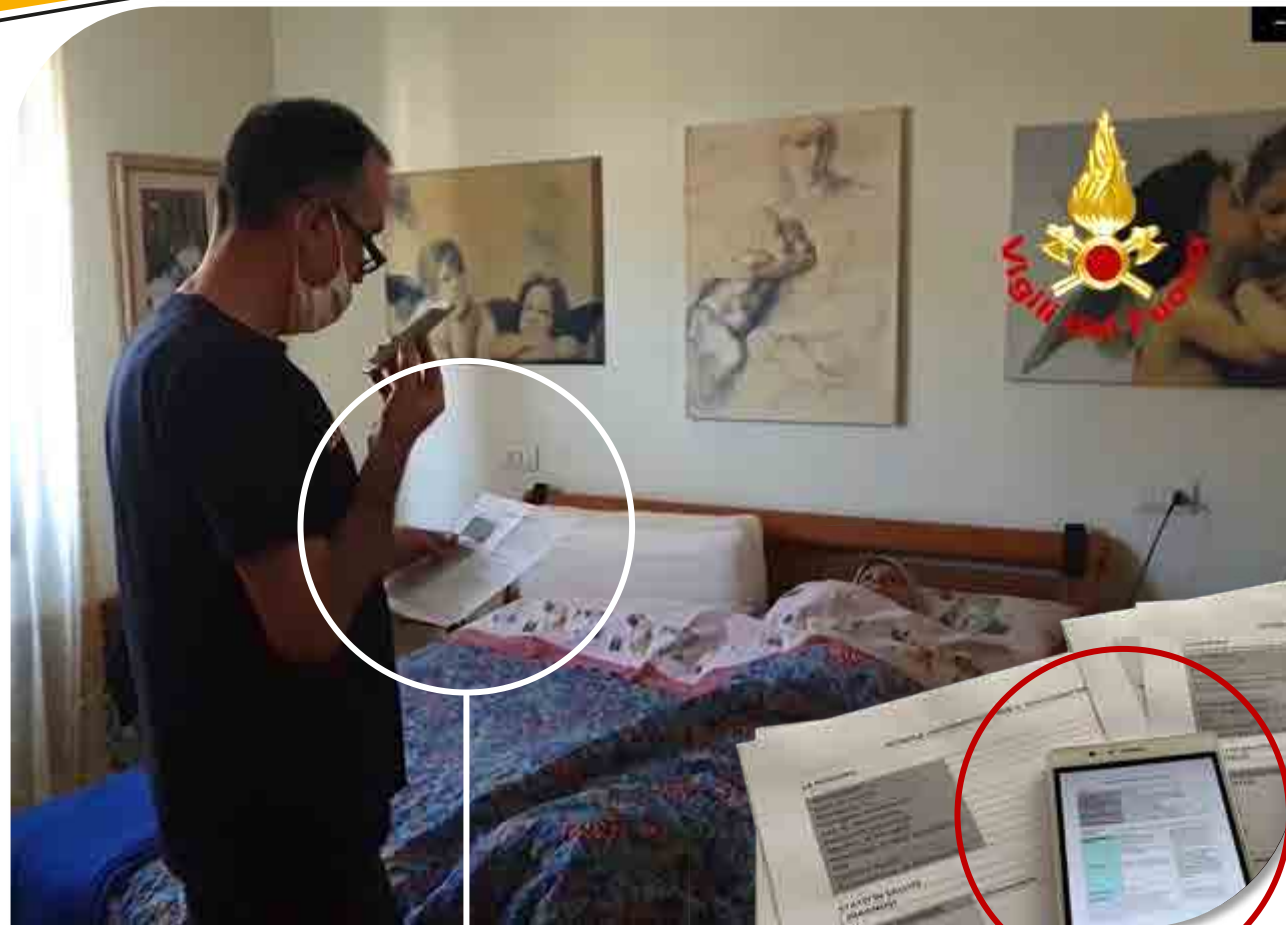


Rescuer Card

[illegible]

The **first part** contains the personal details, contact information of family members, doctors or other person useful information to manage the health and autonomy of the owner.

The **second part** contains information about specific needs in relation to the different functional areas: pathologies, allergies, drugs and therapeutic plan; needs related to mobility, sight, hearing; cognitive, behavioral aspects, modes of communication, needs related to nutrition, aids and more, such as specific aids for transport.



The caregiver makes a call of help using a rescuer card



Rescuer Card

Contents

Area of needs
Information
Indications for the rescuer

MOBILITY

Mobility aids
Environmental aids

BREATHING

Breathing aids

REPORT

COMMUNICATION

Communication aids

SUPPLY

Feeding aids

URINARY AND / OR SPHINCTERIC DISORDERS

Aids and devices

DRUGS

Therapeutic Plan

Any other aspect or criticality that might facilitate the rescuer's activity

The main contribution of the “Rescuer card”, concerning emergency planning, management and operations are:

- The person with disabilities becomes aware of his priority needs and gets able to build his own response strategy;
- The rescuer receives in advance the necessary information to manage the response, starting from emergency call; the operator can easily track any single situation and give the proper instructions.



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Rescuer Card in SarsCov2

During the SarsCov2 pandemic, we have tested this tool among hospitalized patients, with no possibility of being assisted by a caregiver.

The management of complex patients by healthcare personnel, in lack of any specific information, may compromise health and lead to a traumatic experience for persons removed from a family context.



un mondo
libero dalla SM



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FORMAZIONE EMPOWERMENT



Emergency and Fragility

Survey on Specific Needs

Housing and building criticality sheet

IFEP Inclusive Family Emergency Plans



Rescuer card

In the meantime in the world...

2001
ICF
WHO



2006
UN CRPD
Article 11
Situations of risk
and humanitarian
emergencies



2014
Emergency
and Fragility
kickoff



2016
Disability in
Emergency
kickoff



2013
UNISDR
Global survey on
people living
disability in
emergency



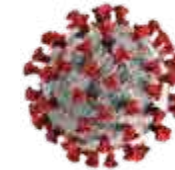
2015
Sendai Framework
mainstreams the
disability in disaster risk
reduction



Italian
Observatory
on safety and
rescue of people
with special needs
NFRS kickoff



2020



Inclusive Rescue
project by
Italian National Fire Emergency
Services and Italian Multiple
Sclerosis Association



... to be continued!



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FORMAZIONE EMPOWERMENT

"Emerging Solutions are the outcomes that every generative process manifests with consistent, but unexpected results compared to the original premises. Emerging Solutions are a seed that unfolds with all the potential it contains"