



Laurenzana, Italy

Local progress report on the implementation of the 10 Essentials for Making Cities Resilient (2013-2014)

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Essential 1

Put in place organization and coordination to understand and reduce disaster risk, based on participation of citizen groups and civil society. Build local alliances. Ensure that all departments understand their role to disaster risk reduction and preparedness.

How well are local organizations (including local government) equipped with capacities (knowledge, experience, official mandate) for disaster risk reduction and climate change adaptation?

Level of Progress achieved: 4

Description of Progress & Achievements:

According to the Italian legislation, the Mayor is the local authority in charge of civil protection and territorial safety. In case of emergency, he is called to provide immediate assistance and relief to the population, with support of a special structure made by municipal staff and key-figures belonging to community (health service representatives, voluntary associations, etc.).

The Municipality of Laurenzana, through its own offices, particularly the Municipal Technical Office, together with the Local Police Station and the local Civil Protection Association Gruppo Lucano, is able to carry out risk reduction, emergency management and recovery activities.

The Civil Protection Plan, continuously updated in the new Urban Development Plan under redaction, has been approved in 2013

To what extent do partnerships exist between communities, private sector and local authorities to reduce risk?

Level of Progress achieved: 1

Description of Progress & Achievements:

A study is being carried out to verify if it is possible to work in cooperation with the

neighbouring Municipalities to reduce risk, to manage emergencies and to recover. The new Building Code, under approval, provides the active participation of citizens and privates to define initiatives aimed at risk reduction.

There is collaboration with the Regional and in particular the Provincial local authorities. The Municipality has established a formal cooperation with the Province of Potenza for the integration of environmental sustainability and territorial security themes in the urban and land-use government actions.

How much does the local government support vulnerable local communities (particularly women, elderly, infirmed, children) to actively participate in risk reduction decision-making, policy making, planning and implementation processes?

Level of Progress achieved: 2

Description of Progress & Achievements:

The new Building Code, under approval, provides the active participation of citizens and privates to define initiatives aimed at risk reduction.

To what extent does the local government participate in the national DRR planning?

Level of Progress achieved: 3

Description of Progress & Achievements:

The Italian civil protection law requires that the local Disaster Management plan must be drawn up according to the criteria and the procedures of the guidelines adopted by the National Civil Protection System and the regional governments. Moreover, the legislation requires the local Disaster Management plans to be sent to the Region, the Prefecture and the Province for wide information. According to the Italian regulations, the Municipality is a key actor of the National Civil Protection System – structured in National, regional and local levels - and has the task to highlight critical

situations on the territory, also by assessing and integrating the disaster risk information at the local scale. Thanks to his territorial knowledge, the Mayor has also a stimulating role in higher-level programming and planning.

Essential 2

Assign a budget for disaster risk reduction and provide incentives for homeowners, low-income families, communities, businesses and public sector to invest in reducing the risks they face.

How far does the local government have access to adequate financial resources to carry out risk reduction activities?

Level of Progress achieved: 1

Description of Progress & Achievements:

There is no access to extraordinary external funds.
However, the Municipality is trying to set up tools to overcome the financial problem.

To what degree does the local government allocate sufficient financial resources to carry out DRR activities, including effective disaster response and recovery?

Level of Progress achieved: 2

Description of Progress & Achievements:

In the annual budget there is an item provided for emergency, which is re-funded through allocations from the Soil Protection Office. The amount allocated corresponds to 0,1% of the budget.
However, the Municipality is trying to set up tools to overcome the financial problem. Anyway, the Municipality makes indirect investments in risk prevention and mitigation, using part of its budget through extraordinary and ordinary maintenance interventions on public structures and on the territory.

What is the scope of financial services (e.g. saving and credit schemes, macro and micro-insurance) available to vulnerable and marginalised households for pre- disaster times?

Level of Progress achieved: 1

Description of Progress & Achievements:

There are no funds provided.

To what extent are micro finance, cash aid, soft loans, lone guarantees etc available to affected households after disasters to restart livelihoods?

Level of Progress achieved: 1

Description of Progress & Achievements:

The Municipality cannot allocate own resources to cope with such financial benefits or to have access to regional or national allocations.

How well established are economic incentives for investing in disaster risk reduction for households and businesses (e.g. reduced insurance premiums for households, tax holidays for businesses)?

Level of Progress achieved: 2

Description of Progress & Achievements:

Recently, within the O.P.C.M. (Prime Ministerial Order) 4007 - 29.02.2012, the Municipality has put in place the administrative procedures regarding the public notice contained in the deliberation of the Regional Committee of Basilicata n. 1044 - 07.08.2012, for privates, aimed at the request for incentives for structural actions or seismic improvement, or demolition and reconstruction of private buildings. Moreover in order to obtain risks active mitigation, by means of its Territorial Coordination Plan (TCP), the Province is engaged in providing for a coordinating role in enhancing and facilitating the implementation of programs of extraordinary territorial maintenance by local governments, through the identification of possible financial solutions and procedural facilitation. Specific measures and solution encouraging private investments to be devoted to risk reduction and mitigation at the local level will be also explored and set up.

To what extent do local business associations, such as chambers of commerce and similar, support efforts of small enterprises for business continuity during and after disasters?

Level of Progress achieved: 1

Description of Progress & Achievements:

At the moment they don't provide any tangible support

Essential 3

Maintain up-to-date data on hazards and vulnerabilities, prepare risk assessments and use these as the basis for urban development plans and decisions. Ensure that this information and the plans for your city's resilience are readily available to the public and fully discussed with them.

To what degree does the local government conducted thorough disaster risk assessments for key vulnerable development sectors in your local authority?

Level of Progress achieved: 3

Description of Progress & Achievements:

Risk assessment has been conducted during the redaction of the Urban Development Plan under approval.
Anyway, the local territory undergoes risk assessments carried out by higher-level authorities, within their specific competencies (Province, Region, River Basin Authorities, etc).

To what extent are these risk assessments regularly updated, e.g. annually or on a bi-annual basis?

Level of Progress achieved: 3

Description of Progress & Achievements:

With annual frequency

How regularly does the local government communicate to the

community, information on local hazard trends and risk reduction measures (e.g. using a Risk Communications Plan) including early warnings of likely hazard impact?

Level of Progress achieved: 2

Description of Progress & Achievements:

The Municipality is working to become able to spread periodical information, also through the activities of the Civil Protection Association Gruppo Lucano from Laurenzana. Moreover, the Municipality is actively involved in the information campaigns conducted at local, regional and national level.

How well are local government risk assessments linked to, and supportive of, risk assessments from neighbouring local authorities and state or provincial government risk management plans?

Level of Progress achieved: 3

Description of Progress & Achievements:

According to the subsidiarity principle, higher-level authorities (National government, Region, Province) support any actions made by municipalities, while cooperation with neighbouring local authorities is activated to face common issues when necessary. In particular, the Province is in charge of providing cognitive, methodological and procedural support to maximize common interest key issues, such as: analysis of major risks, planning of local actions, correct information for local decision-making, technical and methodological support in planning territorial safety activities, provision of information, best practices and experiences existing also at international level, that can be implemented locally, etc. Municipalities are required to deepen and integrate information about risks (especially the vulnerability and exposure data set), to assess the sustainability of the local land-use plans and interventions, to define specific requirements and risk-mitigation measures. The Province will assure the coordination of the specific actions providing for a wide area view and the strengthening of whole community resilience to risks and disasters.

How well are disaster risk assessments incorporated into all relevant local development planning on a consistent basis?

Level of Progress achieved: 2

Description of Progress & Achievements:

There is close connection between disaster risk assessments and local development planning.

The local development is based on confined planning proposals that are produced for the purpose, also in variation of the existing old setting urban plans. In this framework, disaster risk assessment is preformed on purpose and with reference to some risks where specific national/regional regulations and enforcing higher-level planning tools exist. The Province of Potenza will coordinate the Municipalities in integrating risk assessments and analysis into local development planning on a consistent basis by means of the Territorial Coordination Structural Plan (TCP) and its interaction with local land-use planning and government actions

Essential 4

Invest in and maintain critical infrastructure that reduces risk, such as flood drainage, adjusted where needed to cope with climate change.

How far do land use policies and planning regulations for housing and development infrastructure take current and projected disaster risk (including climate related risks) into account?

Level of Progress achieved: 2

Housing	Yes
Communication	No
Transportation	Yes
Energy	Yes

Description of Progress & Achievements:

Building Plans and Urban Development Plans have been redacted taking into account the strategic needs in case of disaster related to housing, infrastructures, transportation and energy.

The local development is based on confined planning proposals that are produced for the purpose, also in variation of the existing old setting urban plans. In this framework, disaster risk assessment is preformed on purpose and with reference to some risks where specific national/regional regulations and enforcing higher-level planning tools exist. The Province of Potenza will coordinate the Municipalities in integrating risk assessments and analysis into local development planning on a consistent basis by means of the Territorial Coordination Structural Plan (TCP) and its interaction with local land-use planning and government actions

How adequately are critical public facilities and infrastructure located in high risk areas assessed for all hazard risks and safety?

Level of Progress achieved: 3

Description of Progress & Achievements:

The Civil Protection Plan in force identifies the critical areas on the territory and the necessary measures of risk mitigation in case of disaster.

How adequate are the measures that are being undertaken to protect critical public facilities and infrastructure from damage during disasters?

Level of Progress achieved: 3

Description of Progress & Achievements:

There is constant commitment, with continuous interventions, to improve buildings and public infrastructures adequacy to earthquakes and other disasters, in order to make them territorial reference points in case of crisis.

Essential 5

Assess the safety of all schools and health facilities and upgrade these as necessary.

To what extent have local schools, hospitals and health facilities received special attention for "all hazard" risk assessments in your local authority?

Level of Progress achieved: 3

Schools	Yes
Hospitals/ health facilities	No

Description of Progress & Achievements:

Schools are endowed with evacuation plans with periodical drills of emergency evacuation

How safe are all main schools, hospitals and health facilities from disasters so that they have the ability to remain operational during emergencies?

Level of Progress achieved: 4

Schools	Yes
Hospitals/ health facilities	No

Description of Progress & Achievements:

Anti-seismic school buildings can be used as emergency shelters

To what degree do local government or other levels of government have special programs in place to regularly assess schools, hospitals and health facilities for maintenance, compliance with building codes, general safety, weather-related risks etc.?

Level of Progress achieved: 3

Schools	Yes
Hospitals/ health facilities	No

Description of Progress & Achievements:

Interventions aimed at improving the safety of school buildings are being undertaken with regional and national resources.

How far are regular disaster preparedness drills undertaken in schools, hospitals and health facilities?

Level of Progress achieved: 4

Schools	Yes
Hospitals/ health facilities	No

Description of Progress & Achievements:

Schools, according to the regulations in force, carry out at least two evacuation drills a year, involving all the people who make use of the structure (professors, technical-administrative staff, students).

Essential 6

Apply and enforce realistic, risk compliant building regulations and land use planning principles. Identify safe land for low-income citizens and develop upgrading of informal settlements, wherever feasible.

How well are risk-sensitive land use regulations and building codes, health and safety codes enforced across all development zones and building types?

Level of Progress achieved: 2

Description of Progress & Achievements:

The new Urban Development Plan, under approval, is strictly linked to the updated territorial risk plans (Basin Plan, etc.).

At the local scale, land use regulations, related building codes and other applicable safety codes are applied on an on-purpose basis, across development zones in and out of the built-up center and all building types, where specific national/regional regulations and enforcing higher-level planning tools exist.

How strong are existing regulations (e.g. land use plans, building codes etc) to support disaster risk reduction in your local authority?

Level of Progress achieved: 2

Description of Progress & Achievements:

The existing building codes and urban regulations have been redacted taking into account the needs of risk prevention.

At the local scale, existing regulations (land use plans, related building codes and other applicable regulations) are based on existing old setting urban plans. In these cases, disaster risk reduction is performed locally and when required (for example, for building new houses, etc), according to regional/national general regulations and

enforcing higher-level planning tools. The urban planning tools, providing for a local planning framework, are currently being updated to include also disaster risk reduction as a structural content of the plan

Essential 7

Ensure education programmes & training on disaster risk reduction are in place in schools and communities.

How regularly does the local government conduct awareness-building or education programs on DRR and disaster preparedness for local communities?

Level of Progress achieved: 2

Programs include cultural diversity issues	No
Programs are sensitive to gender perspectives	No

Description of Progress & Achievements:

Information campaigns and regular drills will be planned.
However, the Municipality is actively involved in the information campaigns conducted at local, regional and national level.

To what extent does the local government provide training in risk reduction for local officials and community leaders?

Level of Progress achieved: 2

Description of Progress & Achievements:

There is periodical internal updating.

To what degree do local schools and colleges include courses, education or training in disaster risk reduction (including climate related risks) as part of the education curriculum?

Level of Progress achieved: 4

Description of Progress & Achievements:

These topics are included within educational curricula.

The Regional School Authority, starting from the national Civil Protection drill carried out in December 2012, promoted, in partnership with the National Civil Protection Department, the project "Multimedia school of Civil Protection" involving from 10 to 13-year-old young people. The project is aimed at fostering greater population awareness of risk prevention and safety and self-protection measures, which should be undertaken by everybody, both in time of peace and emergency. The creation of educational paths at school on the civil protection culture themes represents one of the most effective forms of cultural and social investment to convey the message of solidarity, participation, sharing, respect and safety. Furthermore, every family member, through the education of the kid, becomes an active subject of civil protection.

Specifically, the goals of the projects are:

- Knowledge of the different types of risk;
- Favours behaviours respectful of the territory;
- Knowledge of preventive behavioural self-protection rules and to be undertaken in case of emergency, in order to reduce the possible consequences of risks.

How aware are citizens of evacuation plans or drills for evacuations when necessary?

Level of Progress achieved: 2

Description of Progress & Achievements:

At schools information is spread through students. As for citizens, information activities are being planned.

Essential 8

Protect ecosystems and natural buffers to mitigate floods, storm surges and other hazards to which your city may be vulnerable. Adapt to climate change by building on good risk reduction practices.

How well integrated are local government DRR policies, strategies and implementation plans with existing environmental development and natural resource management plans?

Level of Progress achieved: 3

Description of Progress & Achievements:

The new Urban Development Plan is aimed at land protection, stopping the enlargement of the built-up area, by encouraging interventions of completion of the existing built-up area and enhancing and protecting the variety of the existing ecosystems.

To what degree does the local government support the restoration, protection and sustainable management of ecosystems services?

Level of Progress achieved: 3

Forests	Yes
Coastal zones	No
Wetlands	No
Water resources	Yes
River basins	Yes
Fisheries	No

Description of Progress & Achievements:

The local government supports the management of ecosystems through preventive interventions, check and monitoring of streams, fire prevention (mainly with the setback distance during the dangerous summer dry periods), periodical check of the territory to avoid unauthorized dumping, abuse or improper use of land. Moreover the restoration, protection and sustainable management of the ecosystems services are insured because of their inclusion in a National Park.

How much do civil society organizations and citizens participate in the restoration, protection and sustainable management of ecosystems services?

Level of Progress achieved: 1

Description of Progress & Achievements:

The Municipality will try to improve citizens' sensibility and commitment, which is scarce at the moment, through a periodical information program.

How much does the private sector participate in the implementation of environmental and ecosystems management plans in your local authority?

Level of Progress achieved: 1

Description of Progress & Achievements:

The Municipality will try to improve citizens' sensibility and commitment, which is scarce at the moment, through a periodical information program.

Essential 9

Install early warning systems and emergency management capacities in your city and hold regular public preparedness drills.

To what degree do local institutions have access to financial reserves to support effective disaster response and early recovery?

Level of Progress achieved: 2

Description of Progress & Achievements:

The Municipality has a budget item aimed at handling emergencies. The available amount is not only limited, but connected to the emergencies and, due to lack of own funds or independent expense capacity, it is in need of constant provisions from regional or national emergency funds.

To what extent are early warning centres established, adequately staffed (or on-call personnel) and well resourced (power back ups, equipment redundancy etc) at all times?

Level of Progress achieved: 3

Description of Progress & Achievements:

The staff is sufficient, trained and well coordinated to handle emergencies. More resources are needed to cope faultlessly with emergencies.

How much do warning systems allow for adequate community participation?

Level of Progress achieved: 3

Description of Progress & Achievements:

There is adequate community participation

To what extent does the local government have an emergency operations centre (EOC) and/or an emergency communication system?

Level of Progress achieved: 3

Description of Progress & Achievements:

The Municipality is Municipal Operations Centre (COC) and also a Territorial Operations Centre (COM). Drills have been carried out where the various emergency communication systems have been activated (ARI Italian Amateur Radio Association-Italian Association, Forest Rangers and Carabinieri, Voluntary Association).

How regularly are training drills and rehearsal carried out with the participation of relevant government, non-governmental, local leaders and volunteers?

Level of Progress achieved: 3

Description of Progress & Achievements:

The elements of the Civil Protection System involved in the periodical emergency drills have been: Region, Province, Prefecture, Voluntary Associations, Police forces, Forest Rangers and Municipal Volunteers.

This municipality participated, on December 2012, with all the others belonging to the

province of Potenza, in the drill "Basilicata 2012", coordinated by the Province. An earthquake of magnitude 6.5 in the Agri River Valley has been simulated, affecting the whole Basilicata and the neighbouring regions of Campania and Calabria. The drill was part of national planning on seismic disaster management, aimed at testing the response of the National Civil Protection System at national, regional and local levels.

How available are key resources for effective response, such as emergency supplies, emergency shelters, identified evacuation routes and contingency plans at all times?

Level of Progress achieved: 1

Stockpiles of relief supplies	No
Emergency shelters	No
Safe evacuation routes identified	No
Contingency plan or community disaster preparedness plan for all major hazards	No

Description of Progress & Achievements:

They are being planned.

Essential 10

After any disaster, ensure that the needs of the survivors are placed at the centre of reconstruction with support for them and their community organizations to design and help implement responses, including rebuilding homes and livelihoods.

How much access does the local government have to resources and expertise to assist victims of psycho-social (psychological, emotional) impacts of disasters?

Level of Progress achieved: 3

Description of Progress & Achievements:

By law, the municipality is provided with social services that, in case of disaster, are required to provide assistance to victims.

How well are disaster risk reduction measures integrated into post-disaster recovery and rehabilitation activities (i.e. build back better, livelihoods rehabilitation)?

Level of Progress achieved: 3

Description of Progress & Achievements:

Municipal planning instruments provide and pursue a constant improvement of the existing buildings, according to the national seismic regulations. Programs aimed at stocking livelihoods to cope with future disaster have to be provided.

To what degree does the Contingency Plan (or similar plan) include

an outline strategy for post disaster recovery and reconstruction, including needs assessments and livelihoods rehabilitation?

Level of Progress achieved: 1

Description of Progress & Achievements:

Planning aimed at that should be provided.