

The Smart Community Management Manual

Chapter 26 - 1.7b) Extreme Weather Preparedness



Email info@etownz.com for queries or visit us at www.etownz.ie

Introduction

eTownz has partnered with a number of highly respected research organisations in Ireland and the EU on research projects in the community development and health spaces over the past eight years. The Smart & Engaged Community Management framework was formed based on this research and the guidance of Dr. Maura Farrell of NUIG and Dr. Maura Adshead of UL.

The framework is designed so that it can be applied to any community and under any thematic area of community development. This manual is created using the dynamic “eTownz Knowledge Hub” database which is continually updated with new project ideas and other useful information. If you would like to contribute new ideas please contact us on info@etownz.com. This manual can be used as a standalone document or used along with eTownz Community Management Portal.

Who is involved and what is the structure?



Coordination Team

The Coordination Team facilitates coordination and knowledge sharing between different Town Teams. Highly committed Stakeholders experienced in community development are strongly encouraged to join the Coordination Team. Town Teams should retain independence and responsibility for their own areas.



Town Teams

Town Teams are inclusive smart local teams focused on specific aspects of local development. Town Teams link like minded people together to develop and implement solutions to community problems.

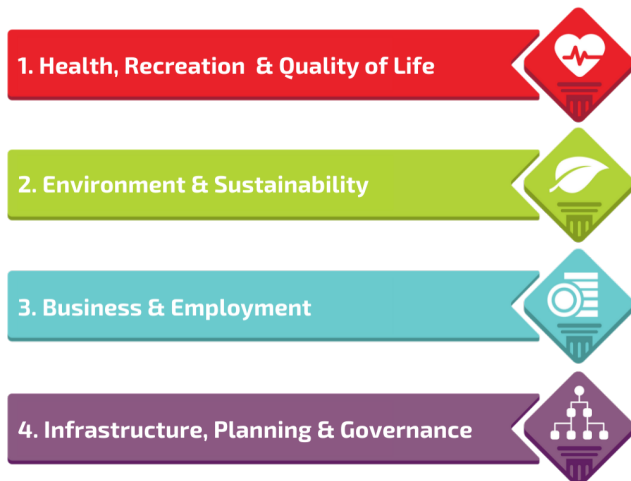


Stakeholders

A stakeholder can be a business, club, public service provider or interested local people. A stakeholder may represent one or more of these interests. All the stakeholders are invited to join a community council.

Core Town Teams x4

Members are invited to form Town Teams related to each of the four main community development Pillars. These are:



Every participating community should aim to have, at minimum 3 to 6 people on each of the four, top-level Town teams.

Town Teams

Specialist Town Teams are invited to form teams related to specific areas under the four main Pillars. Members of the council are invited to join the Town teams that are relevant to them.

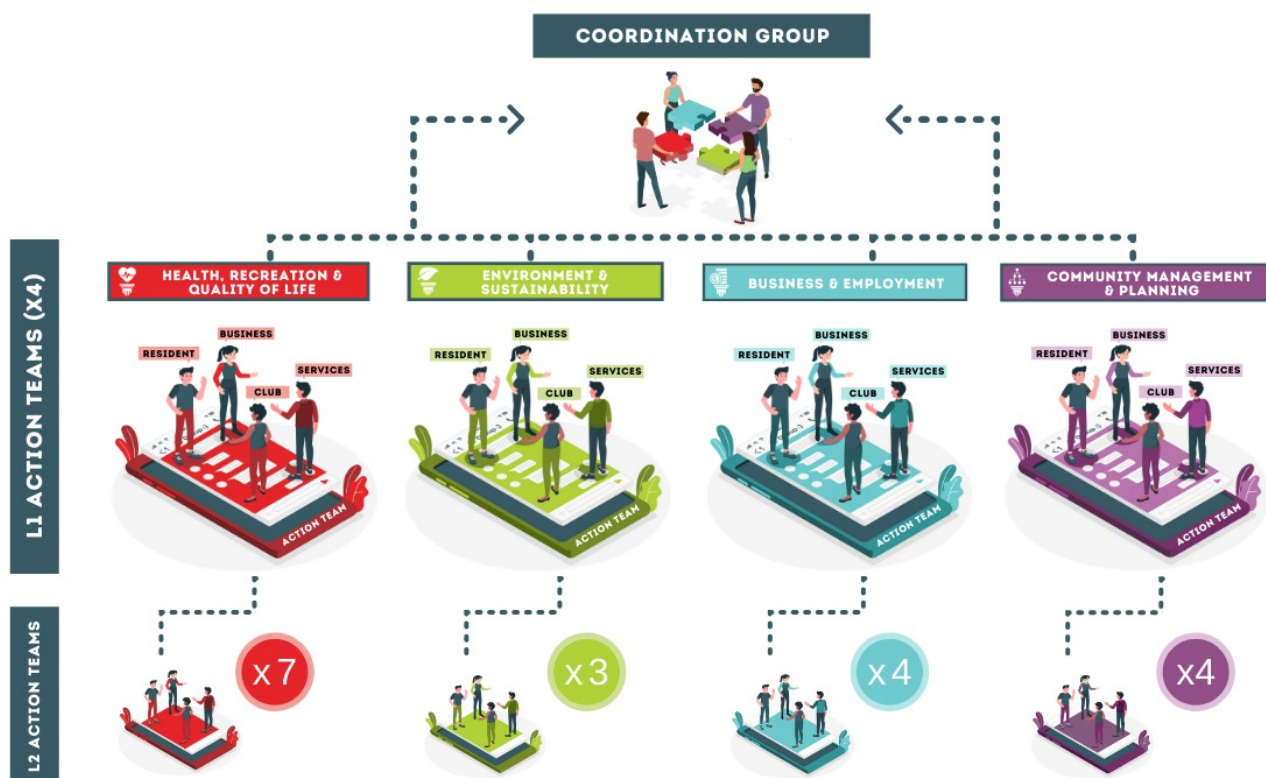
Members of the action team follow the structured format of the smart community framework. They decide their work schedule as a team, creating and implementing local action plans together.

How to use this manual to build a local action team?

The Coordination Team will introduce like-minded stakeholders who wish to form Town teams. The action team then follows a 5-step format illustrated below to compile a “Smart Community Action Plan” for their team. The then follows a 5-step format illustrated below to compile a “Smart Community Action Plan” for their team. The plans can be updated internally throughout the year.

Town teams are invited to submit their plan for the coming 12 months annually. This will be integrated into the overall community plan for the year, compiled before the community AGM.

The AGM helps align the various Town teams and encourage cross-community collaboration on implementation of the plan for the year.



Step 1: Stakeholder Review

The table below can be used by your team to help identify the stakeholders related to this theme. The stakeholders should be invited to provide their ideas, opinions and to join the local action team to help collaborate on initiatives.



Actions

- Manage a register of local assets
- Survey local opinions/ideas
- Recruit & engage local action team



Outcomes

- Top down understanding of local stakeholders
- Bottom up understanding stakeholder perspectives
- Expand team, increase ambitions, plan succession

	Title	Type	#	Comment
	Community Alert (S53)	Public Service		
	Neighbourhood Watch (S162)	Public Service		

Step 2: Asset Review

Use the table below to help build the record list of assets in your area. Use the eTownz portal or a

spreadsheet to register your local assets, discuss conditions and how the assets can be better utilised in the community.



- a Thematic database of all local assets
- b Better understand, develop & maintain local assets
- c Forum for cross community collaboration

	Title	#	Comments
	Airport (A718)		
	Bioswales (A781)		
	Fire Hydrants (A90)		
	Fire Station (A91)		
	Flood Defenses (A93)		
	Flood Embankments (A872)		
	Green Roofs (A784)		
	Permeable pavement (A782)		
	Private Hospital (A787)		
	Public Hospital (A117)		
	Retention Basins (A783)		
	Storm Drains (A224)		
	Wetlands/Bogs (A249)		

Step 3: Goals & Metrics Review

Understanding the goal for each action team and attributing relevant metrics is a key part of the Smart Community Management Framework. Below we provide suggested goals and metrics. Please use these as a support to define goals and metrics that work for your community. In the plan, the action team should define how often the goals are to be reviewed and how often the metrics collected.



Title	How is this data collected	Comment	<input checked="" type="checkbox"/>
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	Title	Summary	<input checked="" type="checkbox"/>	Comment
	Team Building, Management & Metrics - (G76)	Initiate & develop a local team who can coordinate activities related to this theme. Support the team in gaining a greater understanding of local challenges, opportunities and help them formulate a detailed and achievable micro plan for the future. The town team can be small or large and determine its own level of activity. The team may take on its own projects or simply meet occasionally to help coordinate activity among related groups. The team can be comprised of local residents, businesses, club or public service representatives. The team structure can be simple to start with and can decide how often they should meet (e.g. weekly/monthly/quarterly) as they see fit. The team should focus initially on improving the overall understanding of where the challenges and opportunities lie and then help coordinate activities and related projects. There is also a wide variety of supports available and the team can help ensure the community can take advantage of these supports when they become available.	<input type="checkbox"/>	
	Awareness, Understanding & Skills - (G77)		<input type="checkbox"/>	



Preserve, Support
& Develop - (G78)

Understand greatest risk areas and individuals in the event of extreme cold and identify measures to reduce the impact ***** Improve Local Readiness to Flooding Reduce impact of flooding in the area Understand flooding patterns in the area and identify measures to mitigate the impact ***** Improve Readiness to Extreme Snow reduce impact of extremely snow weather on the community through raising awareness Understand greatest risk areas and individuals in the event of extreme cold and identify measures to reduce the impact ***** Improve Readiness to Extreme High Winds Reduce impact of extremely windy weather on the community through raising awareness Understand greatest risk areas and individuals in the event of extreme wind and identify measures to reduce the impact



Step 4: Project Register & Planning

The action team should begin this section by taking consideration of the projects undertaken in the past 2 years, the currently active projects as well as project ideas for the future. Use the eTownz portal to conduct an online discussion on this topic. We also provide a suggested format for huddles related to this.

- a Add new & update existing projects in project register
- b Review completed projects, document learnings & celebrate successes
- c Discuss, agree, prioritise and schedule projects for the coming year



- a Continual cycle of new idea generation & team building
- b Teams learn from experience & pass on best practise to others
- c Agree, realistic actions plans to better coordinate

Goal: Team Building, Management & Metrics - (G76)

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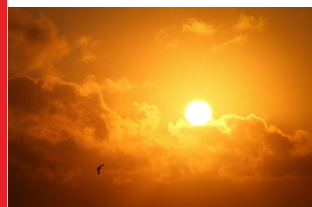
Related Project Ideas	Rate	Comments
Extreme Weather Volunteer Register (P131): Build a register of local volunteers who are willing to assist with community activities during extreme weather such as storms.		
Cold Weather Risk Register (P324): A community support network will help to identify households/individuals who may need additional supports during periods of cold weather. Community groups will identify the households /individuals within the area who would avail of their services. Members of this volunteer group would visit these homes and ensure that individuals (in particular the elderly) are coping sufficiently during cold weather conditions.		



Goal: Awareness, Understanding & Skills - (G77)

Related Project Ideas	Rate	Comments
Extreme Weather Action Plan (P132): Ensure everyone knows how to deal with and report fallen trees, power lines and other consequences of storms		

Goal: Preserve, Support & Develop - (G78)



Understand greatest risk areas and individuals in the event of extreme cold and identify measures to reduce the impact *****
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Related Project Ideas	Rate	Comments
Home Salting Provisions (P133): Organise for the distribution of salt for homes in the area during bad icy.		
Create Community Owned Salt Bank (P134): A local community group can look to buy bulk salt during good period and store locally. The salt can then be sold just to local people for personal use during difficult times. This guarantees supply for personal needs during high demand		
Preplan Awareness Campaign for Storms (P135): Prepare an awareness campaign for storm times covering home heating, health and wellness advice, home maintenance advice and distribute online during times of extreme icy.		
Local Flood Risk Evaluation (P154): Local community group can undertake a basic flood risk assessment. The local council should also have flood risk maps and the local group should look to identify particular problems in the highest flood risk locations		
Water Reservoir for Extreme Weather (P614): The construction of a water reservoir helped combat the more frequent extreme weather events such as heavy rainfall and forest fires due to climate change. (Case Study: 414) Anti-flood and fire fighting reservoir Mestske lesy Krupina		
Setup A House Locating System (P628): Setting up a house locating system in your areas especially for those living in the countryside will make it easier for emergency services and other service providers to access isolated homes. (Case Study: 338) Setting up a house locating system in Formentera		
Flood Alleviation Programmes (P745):		

Assess, develop and design a viable, cost-effective and sustainable flood relief scheme which aims to minimise risk to the existing community, social amenity, environment and landscape character.

Modify Homes & Businesses (P746):

The focus should be flood resilience rather than flood schemes. Water proofing homes and businesses and moving electric sockets higher up the walls to increase flood resilience

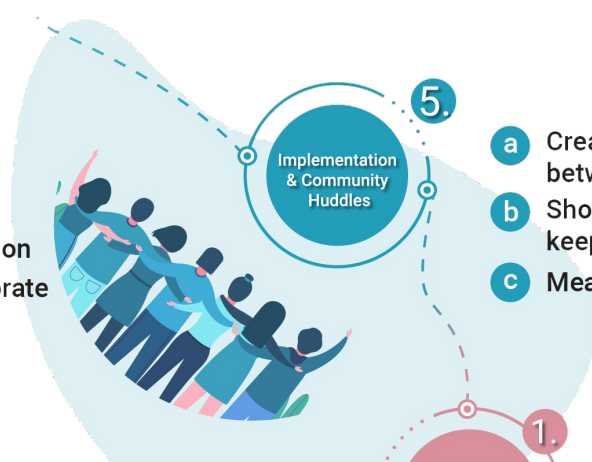
Protect Wetlands (P747):

The creation of wetlands can slow down waters when rivers overflow.

Step 5: Community Huddles & Implementation

Community Huddles cover a variety of different meetings types that take place throughout the year. This includes remote meetings, project planning or project implementation meetings. We provide a suggested one hour format for the main meeting types to help make best use of people's time.

- a Organise an annual public "Community Huddle",
- b Team agree huddle plans, coordination and implementation
- c Present individual plan & celebrate



- a Creates meaningful engagement between local Teams
- b Short, actionable recurring meeting keep teams on track
- c Measures success/progress

Relevant/Supporting Organisations

Title

Comment

Geashill, Walshisland & Cloneygowan Wind Information Group

To inform the Local People about Wind Turbines in the Geashill, Cloneygowan and Walshisland area

Supporting Research

Here we provide links to related research papers which your local action team may find useful.

Title	Comments
<p>PUBLIC AWARENESS CAMPAIGNS AS EFFECTIVE MEANS TO REDUCE DISASTER RISK Click here</p> <p>Public awareness has long been regarded as one of the tools to achieve disaster risk reduction through increased hazard knowledge, risk perception, and the fostering of risk avoidance behaviour; but measuring the effectiveness of such campaigns proves to be a difficult task. A case study of the Fire and Flood Awareness Campaign in the Western Cape Province served as an attempt to assess such a campaign using the international best practice Logic Model framework.</p>	