

The Smart Community Management Manual

Chapter 38 - 2.10a) Water / Wastewater Efficiency



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:

1. Health, Recreation & Quality of Life



2. Environment & Sustainability



3. Business & Employment



4. Infrastructure, Planning & Governance



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.

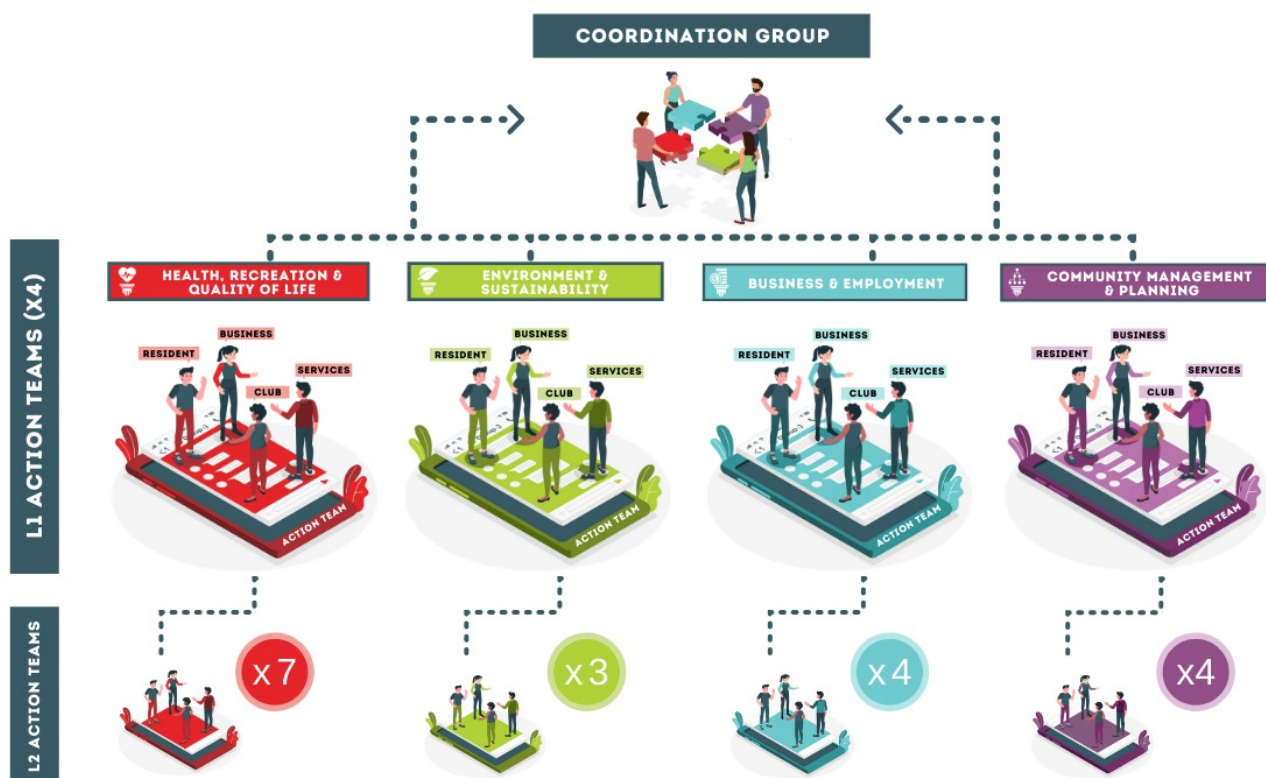
Members of the action team follow the structured format of the smart community framework. They decide their work schedule as a team, creating and implementing local action plans together.

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

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



Outcomes

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

	Title	Type	#	Comment
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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 Update register of local assets
- b Undertake assessment of local assets
- c Profile & discuss local assets



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

	Title	#	Comments
	Flood Embankments (A872)		
	Group Water Scheme (A106)		
	Sewerage Treatment Plant (A208)		
	Storm Drains (A224)		
	Water Reservoirs (A188)		
	Water Treatment Plant (A248)		
	Wells (Water) (A854)		
	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.

- a Agree suitable goals & metrics
- b Coordinate data collection
- c Compare & analyse performance to help plan



- a Helps focus local action teams
- b Leverage data for better decision making
- c Compare project outputs to planned goals

Title	How is this data collected	Comment	<input type="checkbox"/>
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	Title	Summary	<input checked="" type="checkbox"/>	Comment
	Team Building, Management & Metrics - (G113)	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 - (G114)		<input type="checkbox"/>	
	Preserve, Support & Develop - (G115)	Similar to community energy and waste projects, when communities come together to address local water resource issues they can collectively develop a more sustainable local water system. ***** Water Efficiency in Local Businesses Understand and implement measures to improve local water efficiency in business Similar to community energy and waste projects, when communities come together to address local water resource issues they can collectively develop a more sustainable local water system.	<input type="checkbox"/>	

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.



Goal: Team Building, Management & Metrics - (G113)

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.



Related Project Ideas	Rate	Comments
Survey Local Water Quality (P137): Survey community members to determine their experience with local water quality		
Improve Water Quality & Biodiversity (P635): A canal stream was reconstructed to get extra water storage capacity and to improve the water quality and biodiversity in the surrounding area. <u>(Case Study: 308)</u> Reconstruction of the Averlosche Leide canal		



Goal: Awareness, Understanding & Skills - (G114)



Goal: Preserve, Support & Develop - (G115)

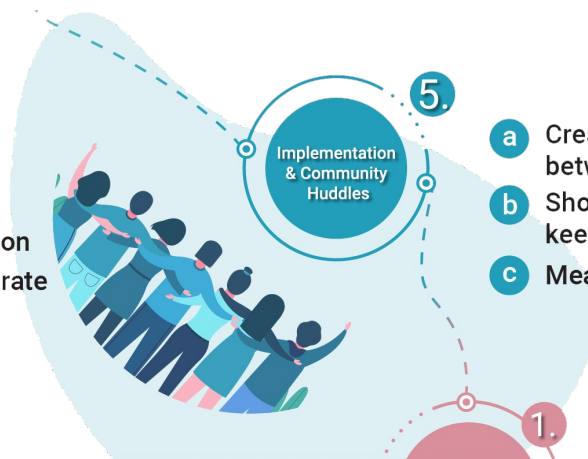
Similar to community energy and waste projects, when communities come together to address local water resource issues they can collectively develop a more sustainable local water system. *****
Water Efficiency in Local Businesses Understand and implement measures to improve local water efficiency in business Similar to community energy and waste projects, when communities come together to address local water resource issues they can collectively develop a more sustainable local water system.

Related Project Ideas	Rate	Comments
Water Efficiency Awareness (P136): Undertake water efficiency promotion and campaigns locally (Case Study: 395) Training on small scale water retention (Case Study: 506) Can We Change Our Behavior or are We Stuck?		
Connect Homes to Water/Sewage Network(P589): A commune in Transylvania used EAFRD support to connect homes to a water and sewage network as well as other key infrastructure. (Case Study: 337) Installing water, sewage and other infrastructure in rural Romania		

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

Sample Local commitments

I have a garden




- **Use a rose head watering can:** ☐
Use a rose head watering can: instead of a hose to water your plants to save water and aim for the root, not the leaves.
- **Use a water butt to harvest rainwater from gutters:**
Collect rainwater to use in your garden instead of using drinking water from the tap.
- **Water plants in the early morning or late evening:**
Water your plants in the early morning or late evening to avoid scorching your plants and unnecessary evaporation.

I own a house



- **Fix Dripping Taps :** ☐
Fix any dripping taps or leaking toilets in your home.
- **Keep a jug of water in the fridge:**
Keep a jug of water in the fridge instead of running the cold tap, which can waste 10 litres per day of water.
- **Shorten Shower Time:**
Take shorter showers or consider inserting a regulator in your shower, which puts an upper limit on flow rates.
- **Use A Cistern Displacement Device:**
Place a cistern displacement device in your toilet cistern to reduce the volume of water used in each flush.
- **Use Full Loads for Laundry/Dishes:**
Always use full loads in your washing machine and dishwasher as this cuts out unnecessary washes in between.

Relevant/Supporting Organisations

Title		Comment	
 Offaly Water Safety Offaly Water Safety is a Sub-Committee of Irish Water Safety, the statutory, voluntary body established to promote Swimming and Lifesaving in Ireland.			