

# SHORELINES

## THE COASTAL ATLAS OF IRELAND

Edited by Robert Devoy, Val Cummins, Barry Brunt, Darius Bartlett, and Sarah Kandrot

Digital Production by Maxim Kozachenko

Visually stunning, accessible and an academic tour de force; *Shorelines: The Coastal Atlas of Ireland* will resonate with everybody who has a connection to Ireland and anybody with an interest in coasts.

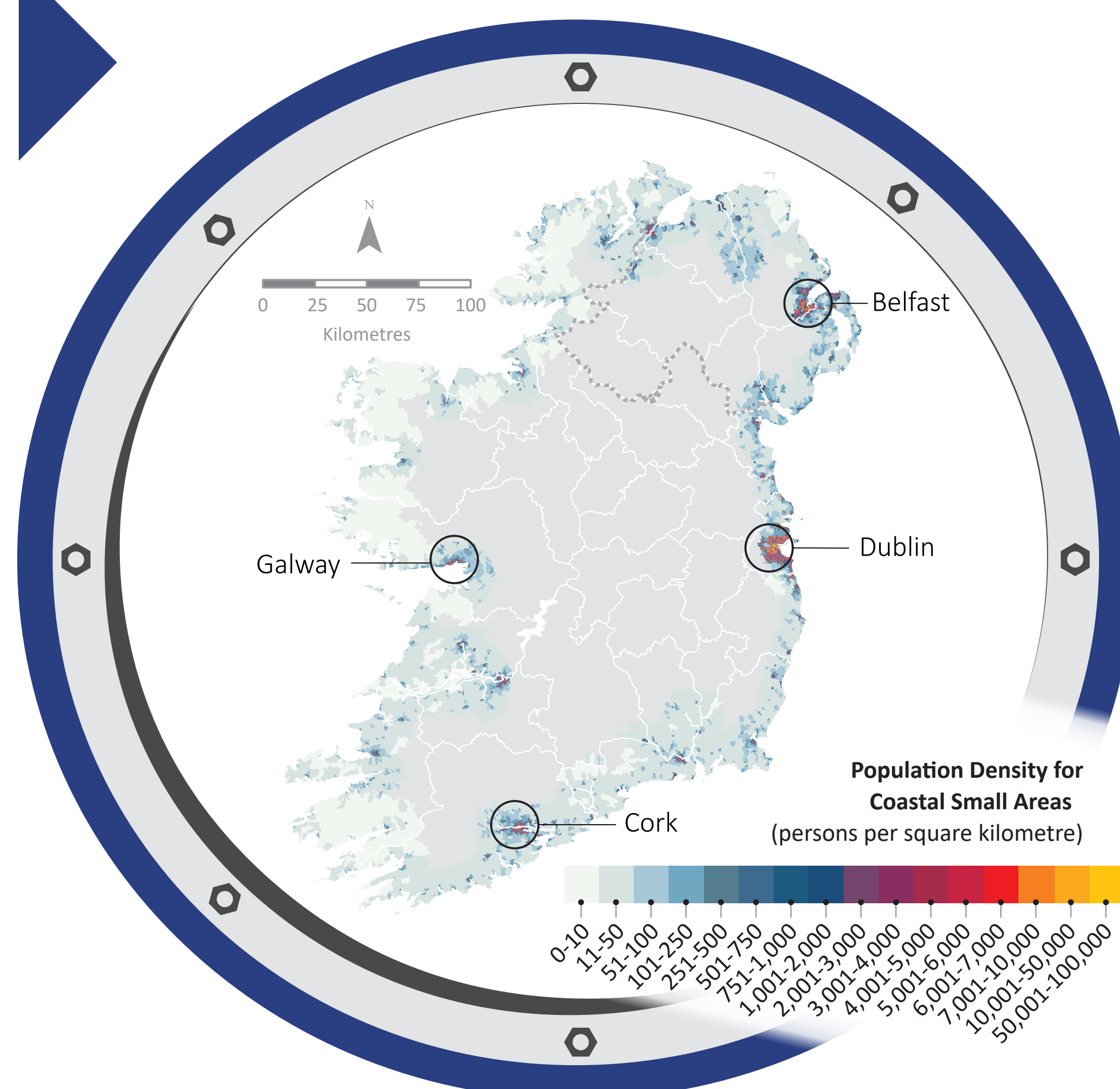
Ireland is an island surrounded by ocean, with a high percentage of its population living in the coastal zone; it is often referred to as an “island nation”. The importance of the coastal zone to Ireland is extremely high, given its economic value from tourism and recreation, fishing, aquaculture, energy, ports and linked industries. Although there are existing guides about Ireland’s coastal geology, physical geography and landscapes, these are fragmented and mostly of a local nature. There is no single text that explores the coast of Ireland as a whole, from both the physical and social perspectives. *Shorelines: The Coastal Atlas of Ireland* will fill this gap.

*Shorelines: The Coastal Atlas of Ireland* will be a 500 page, 33-chapter publication, containing over 400 maps and illustrations. Edited by Robert Devoy, Val Cummins, Barry Brunt, Darius Bartlett, and Sarah Kandrot, with digital production by Maxim Kozachenko, the publication involves the work of over 100 authors. It is due to be published by Cork University Press in 2020 as part of their celebrated atlas series from the Department of Geography at University College Cork.

A digital product will also accompany the publication. This will include a WebGIS linked to supporting videos, produced by the GEOCOAST project. The videos will include drone footage of selected sites and interviews with chapter contributors.

**POPULATION DENSITY PATTERNS AROUND IRELAND’S COASTLINE, 2016.** The population density of the Republic in 2016 was 70 persons per km<sup>2</sup>. This is low by European standards and is approximately one-half of that in Northern Ireland. The concentration of people in the island’s few cities and large towns is apparent, but especially centred on the cities of Dublin and Belfast. Extensive areas of the coastal zone, however, have density levels of fewer than 50 persons per km<sup>2</sup>. While this suggests a rural landscape, numerous places can be identified, especially along the north, east and south coast, where densities occur in excess of 100 persons per km<sup>2</sup>. These are small towns and villages which impose an increasing urban footprint along the coastline. Large areas along the western seaboard, however, display density levels of less than 10 persons per km<sup>2</sup>. These are part of Ireland’s empty landscapes, linked to their difficult physical environments and underdeveloped economies. Small tourist resorts and/or service centres occur intermittently along this peripheral coastline.

-Excerpt from Chapter 25, *Urbanisation of Ireland’s Coast* (Barry Brunt)



\*Geographical units represent small areas, as defined by the Central Statistics Office (CSO) in the Republic and the Northern Ireland Statistics and Research Agency in Northern Ireland, within 10 km of the coast

## CONTENTS

### Section 1: Coastal Systems: The Physical, Biological and Human Settings

1. Ireland's Coasts: Setting the Scene
2. The Coastal Environment: Physical System Processes and Patterns
3. Coastal Waters: Marine Biology and Ecology
4. People, Agriculture and the Coast
5. Geological Foundations
6. Glaciation and Ireland's Arctic Inheritance
7. Ancient Shorelines and Sea-Level Changes
8. Visualising, Mapping and Monitoring Coasts
9. Underwater Surveys: the INFOMAR Project

### Section 2: Contemporary Coastal Environments

10. Rocky Coasts
11. Beaches and Barriers: Sediment Depositional Coasts
12. Coastal Wetlands
13. Estuaries and Lagoons

### Section 3: People and the Coast

14. Imagining Coasts
15. Coastal Heritage
16. The Inhabitants of Ireland's Early Coastal Landscapes
17. The Vikings and Normans: Coastal Invaders and Settlers
18. Era of Settlement: Trade, Plantation and Piracy
19. Changing Coastal Landscapes
20. The Great Famine
21. Ireland's Islands
22. Underwater Cultural Heritage: From Coastal Sites to Shipwrecks
23. Maritime and Nautical Traditions and Institutions

### Section 4: Resources, Communications and Industry

24. Ports, Shipping and the Urban Coast
25. Urbanisation of Ireland's Coast
26. Coastal Fisheries & Aquaculture
27. Tourism and Leisure
28. Renewable Energies: Wind, Wave and Tidal Power
29. Coastal Mining, Quarrying and Hydrocarbon Exploration

### Section 5: Management of Coasts and the Marine Environment

30. Engineering for Vulnerable Coastlines
31. Coastal and Marine Pollution
32. Management and Planning

### Section 6: Future Coasts

33. Climate Change and Coastal Futures