Building
Climate
Resiliency
through Urban
Plans and Designs

PATH TO CLIMATE RESILIENCY

CASE STUDIES OF CITIES IN THE PHILIPPINES

UN-HABITAT
FOR A BETTER URBAN FUTURE

Supported by:

Federal Ministry
for the Environment, Nature Conservation
and Nuclear Safety

IKI
INTERNATIONAL
CLIMATE
INITIATIVE

based on a decision of the German Bundestag

PATH TO CLIMATE RESILIENCY:
Case Studies of Cities in the Philippines

Angeles | Cagayan De Oro | Legazpi | Ormoc | Tagum

UN HABITAT
FOR A BETTER URBAN FUTURE

IKI INTERNATIONAL CLIMATE INITIATIVE

FOREWORD

Five stories of how cities innovatively crafted resilient urban plans and designs to strengthen their resilience -- inspiring journeys from identifying challenges to creating solutions.

The cities of Angeles, Cagayan de Oro, Legazpi, Ormoc and Tagum faced similar issues that cities across the globe grapple with: frequent flooding, stronger typhoons, accelerated sea-level rise, and increasing temperature compounded by challenges brought by urbanization. We congratulate these five cities for strategically designing projects using an integrated adaptation approach towards city-wide resilience and sustainable urban development.

With the guidance and expertise of the Department of Human Settlements and Urban Development and the Climate Change Commission, cities were able to level up from the usual practice of urban planning that focuses mainly on land use, physical design and infrastructure to a risk-based urban systems process that optimizes nature-based solutions.

The Building Climate Resiliency through Urban Plans Designs supported these processes, with funding support from the International Climate Initiative of the German government. Since 2008, IKI-BMU has funded over 800 climate and biodiversity projects in more than 60 developing and emerging countries around the globe, including UN-Habitat Philippines. This project has built on the continuing journey of our partner cities in finding solutions to the ever evolving challenges and opportunities brought by climate change and its complex interface with urbanization, pandemics and rapidly shifting political economy at all levels.

We hope that these case studies will inspire other cities and towns to take action towards implementing more transformative climate adaptation actions. By learning from each other and with our collective effort, we can transform our cities and communities as we plan and design for resilience and gradually build better urban environments that improve the lives of every Filipino.

Together with these five cities, and the rest of the cities and communities around the world, we remain committed to make cities and human settlements safe, inclusive, resilient, and sustainable.

Rollo

CHRISTOPER ROLLO
Country Programme Manager
UN-Habitat Philippines

ABOUT BCRUPD

Building Climate Resiliency Through Urban Plans and Designs (BCRUPD) is a German government-funded project being implemented by the United Nations Human Settlements Program (UN-Habitat) in partnership with the Department of Human Settlements and Urban Development (DHSUD), and other 4LMPMTTMRI KSZIVRQIRXEP EKIRGMIW MR ¼ZI GMXMIW

It aims to support the Philippine government in improving policies, regulations, and capacities to adapt to climate change through the promotion of climate-responsive sustainable urban development TPERW ERH HIWMKRW -R WYTTSVX SJ I\MWXMRK REXMSREP GPMQEXI G to enhance national and subnational government representatives’ institutional capacities to guide and manage urban growth towards suitable areas and design the same incorporating resilience principles ERH TVEGXMGIW 8LI TVSNIGX WYTTPIQIRXW I\MWXMRK TPERRMRK KYM TSPMG] MRTYXW GETEGMX] HIZIPSTQIRX ERH HIQSRWXVEXMSR EGXM

ABOUT THE PUBLICATION

Under the BCRUPD project, innovative approaches on climate-resilient urban plans and designs were HIQSRWXVEXIH MR XLI GMXMIW SJ %RKIPIW 'EKE]ER HI 3VS 0IKE^TM

8LIMV I\TIVMIRGIW WLS[GEWIH LS[GMXMIW GER TVITEVI JSV VIGSZIV J climate change, considering balanced economic and ecological sustainability in the face of rapid YVFERM^EXMSR +MZIR XLI ¼ZI GMXMIW… HMJJIVIRX IGSW]WXIQW XLI] LS[TVSGIWWIW ERH WGLIQIW GER FI GSRXI\XYEPM^IH ERH ETTPMIH

8LMW TYFPMGEXMSR GETXYVIW XLI I\TIVMIRGIW SJ XLI ¼ZI GMXMIW SR HMWGYWWMRK XLIMV GPMQEXI ERH YVFER TVS¼PI GPMQEXI GLERKI ZY used urban plans and designs to address these challenges, and their prospective climate resiliency TVSNIGXW 8LIMV I\TIVMIRGIW MPPYWXVEXI LS[GMXMIW [MXL WGMIRG WSPYXMSRW GER XLVMZI • ERH RSX QIVIP] WYVZMZI • MR XLI JEGI SJ

TABLE OF CONTENTS