





Understanding the Challenges in Metro Cebu:

The Metro Cebu Development and Coordinating Board Experience

March 13, 2017

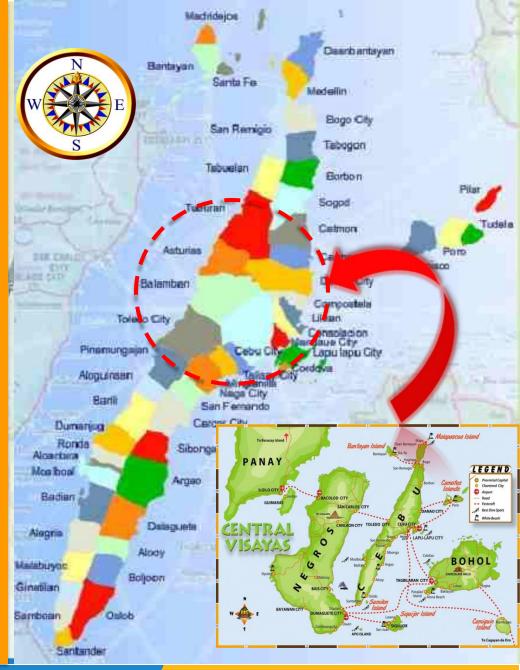




CEBU, PHILIPPINES

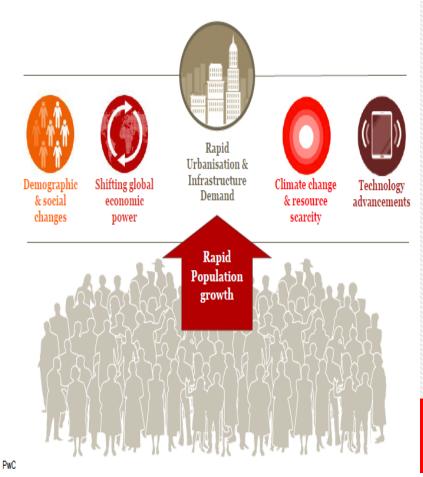
- ❖ Founded in August 6, 1569
- ❖ Island in Central Visayas
- **❖** 9 Cities & 45 Municipalities
- Capital: City of Cebu
- ❖ 365 miles south of Manila
- ❖ Population: **4.13 Million** (2010)

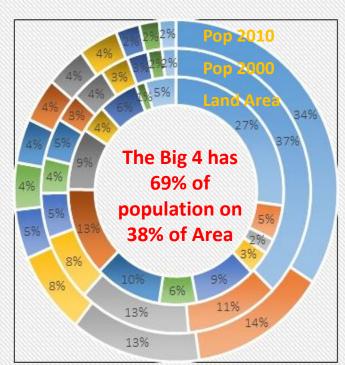
QUALITY OF LIFE FOR ALL





Megatrends Direct impact now to our urban areas





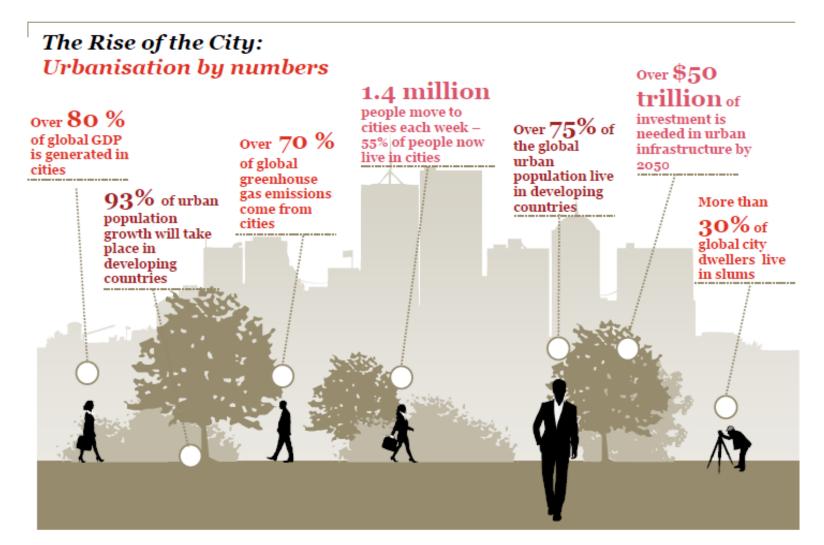
- Cebu City
- Lapu-Lapu City
- · Mandaue City
- Talisay City
- Danao City
- · Minglanilla
- Carcar City
- Consolacion
- Naga City
- Liloan
- · San Fernando
- · Cordova
- Compostela

2.5 million persons in 2010 growing at 3.3% p.a. vs 1.4% for the country

"Cities have difficulties in abundance, because they have people in abundance."

Jane Jacobs, Urban Activist





The future of our civilization will be decided in the cities. WGBU, The Urban Planet.



But, not all cities are created equal The Urban Maturity Curve: Where are you?

Knowing where you are now... provides a better understanding of the pathway for tomorrow's growth

Proactive:

Advance planning, a more attractive city to live, work and do business



Survival

Minimal infrastructure to meet human needs

Dhaka, Port Moresby, Lagos, Port au Prince

Basic

Infrastructure, utilities to meet basic needs

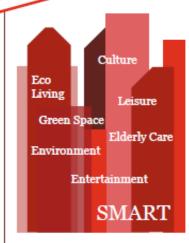
Nairobi, Jakarta, Mumbai, Rio de Janeiro



Advanced

Geared towards growth and competitiveness

> Madrid, Beijing, KL, Berlin



Quality of Life

Focused on advanced human needs, quality of life & sustainability

London, New York, Singapore, Toronto

PwC

These are the attributes of cities that matter... which ones matter to you?



Accessibility & mobility

- Urban planning
- Accessibility
- Transportation



Economic

- · Economic development
- Innovation
- Investment climate
- · Ease of doing business



Infrastructure

- Power/Energy Usage
- Water Management
- Waste Management
- Smart Buildings
- Critical Infrastructure Resilience



Institutional

- E-government Services
- City Service Center



Cultural & leisure

- Tourism
- · Leisure venues management
- · Cultural venues management



Environmental

- · Environmental resource management
- Green areas and ecological preservation



Social

- Health & wellbeing
- · Safety & security
- Social integration & cohesion



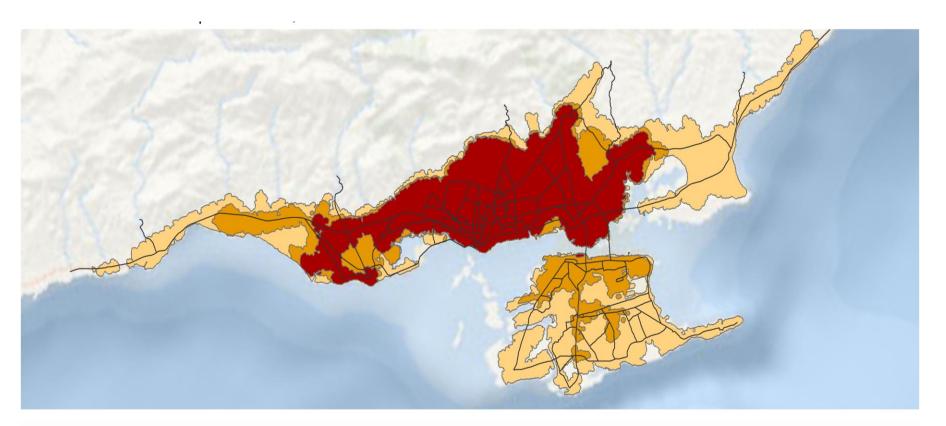
Knowledge & intellectual

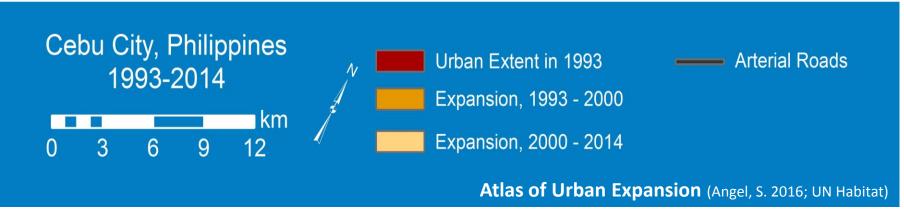
- Education
- · Intellectual and human development

PwC

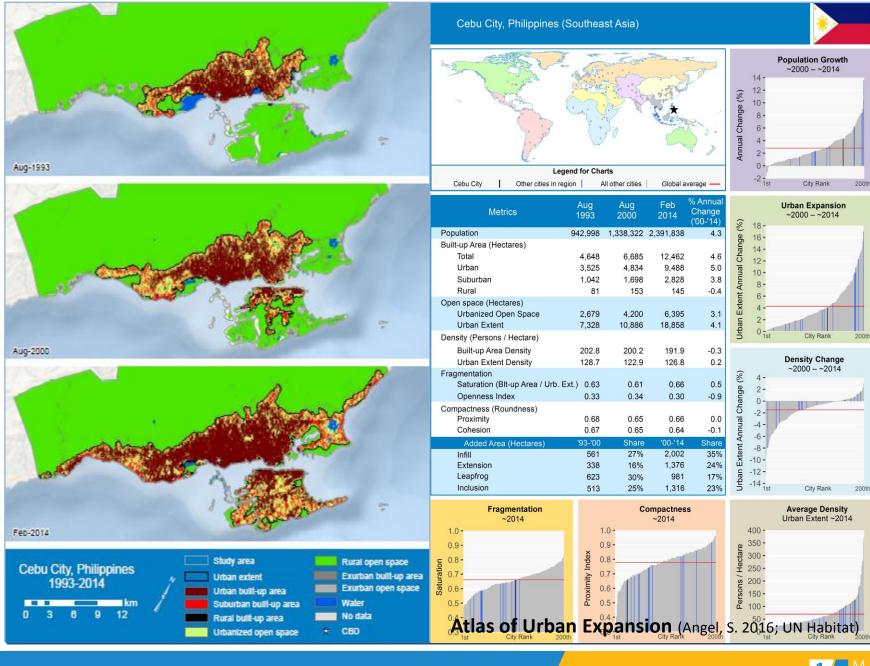




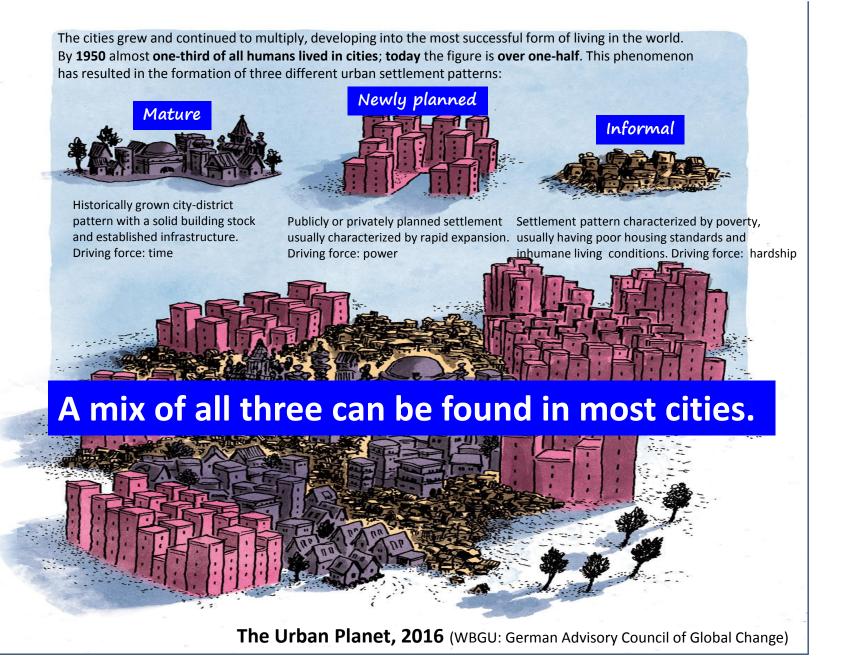




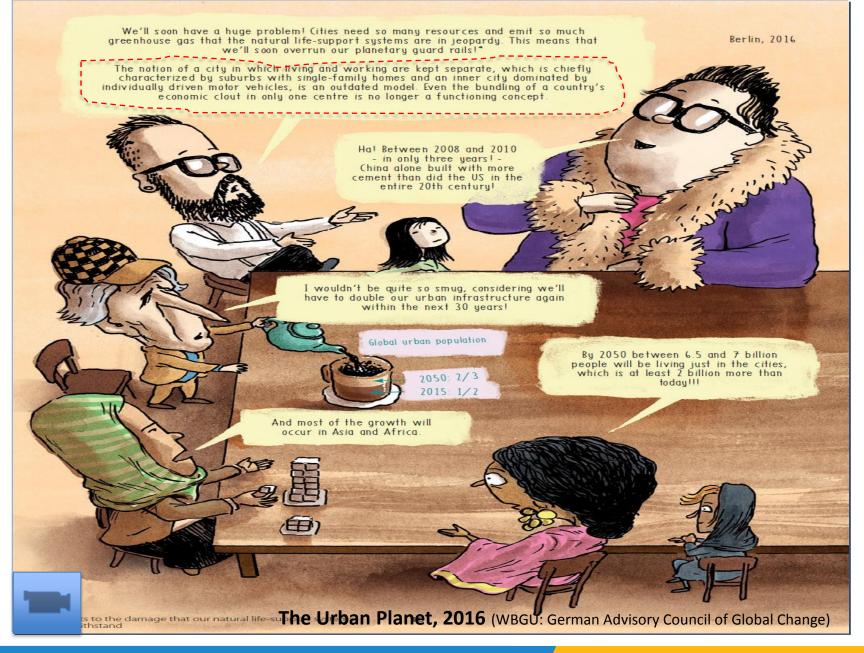
















Increasing Volume of WASTE & POLLUTION



Increasing intensity and frequency of FLOODING



Increasing TRAFFIC CONGESTION



Increasing WATER
DEMAND but
limited SUPPLY



Weak & Limited COLLABORATION



City	Culture & Social Health	Connectivity	Health & Welfare	Environmental Sustainability	Economics
1 Toronto	28	21	26	27	21
vancouver	25	20	25	28	20
Singapore	20	28	24	20	27
Tokyo	24	26	28	17	26
Seattle	23	17	21	26	23
6 Auckland	26	14	22	25	18
Seoul	22	23	19	24	12
8 Melbourne	27	16	23	23	15
Section 19 (19) Los Angeles	22	13	20	22	24
10 Osaka	20	25	27	10	20
111 Hong Kong	17	27	18	11	28
12 Taipei	11	15	17	21	23
Shanghai	14	24	16	19	18
14 Beijing	10	22	15	15	16
15 Kuala Lumpur	13	19	11	12	25
18 Bangkok	18	18			13
Santiago	16	11	12		14
18 Mexico City		11	10	16	10
19 Novosibirsk	7	12	13	18	
Chiang Mai	10			14	4
Bandar Seri Begawan			14	13	3
22 Manila	15				7
Lima	10				11
Ho Chi Minh City					
25 Jakarta					8
28 Cebu	12				6
Surabaya	3				5
Port Moresby	1				1
		High Me	dium Low	Highest ran	nk in each variable

Cebu: 26th of 28

Culture and Social Health:

17th of 28

Connectivity:

27th of 28

Health and Welfare:

26th of 28

Environmental Sustainability:

23rd of 28

Economics:

23rd of 28







6 Cs of Smart Cities & City Regions



CONNECTED

COMPACT

COMPLETE

CONVIVIAL

COMPLEX

CONSERVING



SMART CITIES & CITY-REGIONS

compact, pedestrian-friendly, mixed-use communities

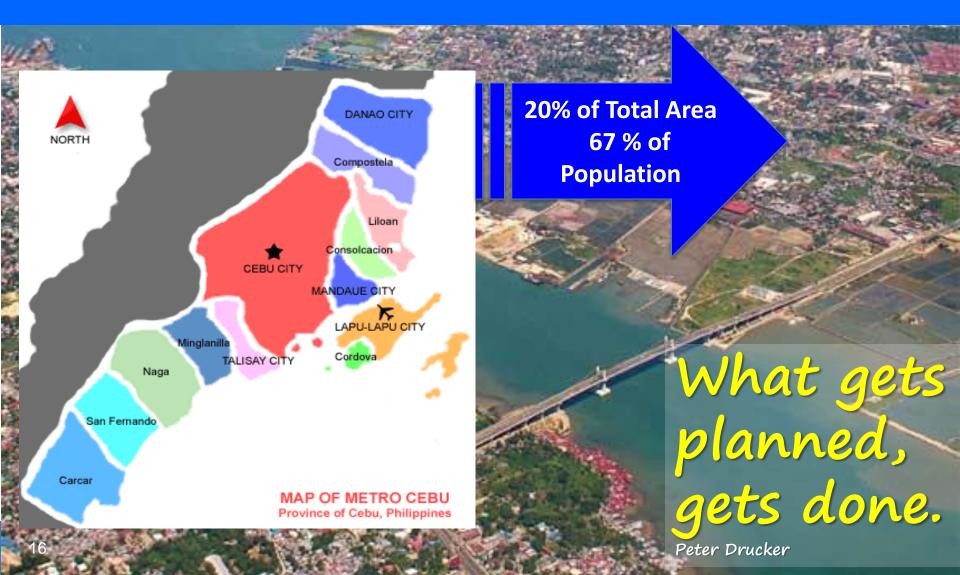






MCDCB

Metro Cebu Development and Coordinating Board



10 Areas of Cooperation

- 1) Integrated development, urban and land use planning and zoning
- 2) Transport and traffic management
- 3) Pollution control and solid waste disposal & management
- 4) Flood control, drainage and sewerage system
- 5) Public safety and security
- 6) Road improvement and infrastructure development
- 7) Urban renewal and shelter
- 8) Coastal resources and watershed management
- 9) Climate change adaptation and disaster risk reduction
- 10) Health & sanitation and environmental management

Development Strategies



COMPETITIVENESS



LIVABILITY



MOBILITY



METROPOLITAN MANAGEMENT





Our Future: Mega Cebu



A vibrant, equitable, sustainable and competitive environment that embraces Cebu's creativity and its cultural, historical and natural resources,

with strong citizen participation and responsive governance.



Success is no accident. It is a planned journey to a destination of choice.

Roberto E. Aboitiz

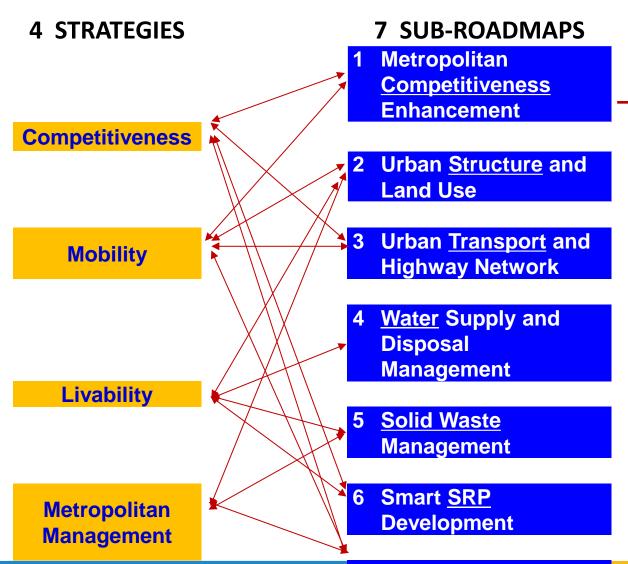






Roadmap Study for Sustainable Urban Development of Metro Cebu





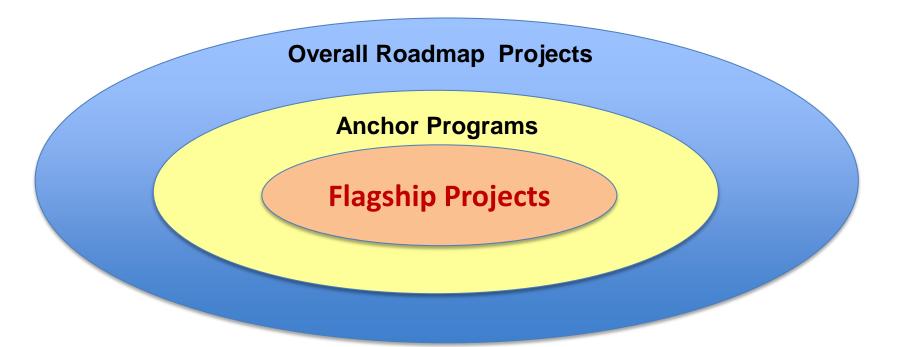




7 Metropolitan Administration



Metro Cebu Roadmap Projects



- ❖ Anchor Programs: key programs to be implemented by MCDCB, LGUs, and respective National Government Agencies during the roadmap period until 2050.
- ❖ Flagship Projects: projects recommended for immediate action for further substantiation in 2015~2017, and targeted for completion by 2020.



PROPOSED ANCHOR PROGRAMS (14 Programs)

NAME		STATUS (As of October 2016)		
1	Investment Promotion by MCIB through Mega Cebu Branding	Tourism branding: "Where the heart sings" launched (2015); brand video contest (2016) (Mega Cebu & CCCI); Partnership with Cebu province in brand cascade discussed.		
; 2	Urban Greening	Green loop (NEDA/RLUC & USC SAFAD)		
3	Operationalization of the Mega Cebu Spatial Plan	Resolutions being obtained from LGUs; Focus area under the OECD policy study; Suitability mapping completed with GIZ support. Next steps re suitability mapping discussed with GIZ.		
4	Mass Transit Network Development (BRT/LRT/MRT)	JICA and MCDCB / JICA and DoTr signed the MoM and Rd re this Project. Scope to include MPS, pre FS, and pilot projects. Separate discussion and facility for FS.		
5	Mactan Link Development	To be included in Project Item 4		
6	Urban Fringe Highway Network Development	To be Included in Item 4. Also FS for Circumferential Road by DPWH completed.		
7	Integrated Road Traffic Management	To be included in Project Item 4		
8	Gateway Development (Airport and Seaport)	Seaport FS (Facilitated by DoTr / CPA)		
9	Surface Water Resource Development	MCWD resolution (lead role); TOR to be formulated. Initial discussions with WB		
10	Urban Septage/Sewerage Service	For GOJ funding (est. 1B Php); Endorsed to EOJ by NEDA PIS; MoM signed between JICA and MCWD; Preparatory Survey first half of 2017		
11	Comprehensive Flood Control	Study in finalization stage and to be completed first quarter 2017. Funding for priority rivers (731M PhP) included in GAA 2016		
12	Metropolitan Solid Waste Management	TOR to be formulated. Initial discussions with DENR and also with WB for assistance.		
13	Advance Energy Management System	To be referred to the Cebu City Government		
14	Institutional Building of Metropolitan	Bill authored by Cong Del Mar re MCDA filed November 2015; Bill refiled last July 2016. Possible partnership with		

WB explored.

Governance

TEN (10) FLAGSHIP PROJECTS (Actions in 2015-2017)

	Project Titles	Typo	Status
	Project rities	Туре	(As of February 2017)
1	Master Plan Study and FS on Mass Transit Network Development (BRT/LRT/MRT) for Metro Cebu	Study	JICA and MCDCB / JICA and DoTr signed the MoM and Rd re this Project. Scope to include MPS, pre FS, and pilot projects. Separate discussion and facility for FS.
2	Update of the Integrated Development Master Plan of Cebu Province	Study	Revised proposal to be submitted and to be discussed with Province, LGUs, and JICA (NEDA / Cebu Province).
3	Construction of the Mactan North Dual-Mode Bridge	Project	To be included in Project Item 1
4	Construction of Mananga II Dam	Project	For TOR development (MCWD/NEDA/MCDCB). Initial discussion with WB.
5	Construction and Networking of Septage Treatment Plants	Project	For GOJ funding (est. 1B Php); Endorsed to EOJ by NEDA PIS; MoM signed between JICA and MCWD; Preparatory Survey first half of 2017
6	A Comprehensive Study for a Cebu Integrated Flood and Drainage System Master Plan	Study	Study in finalization stage and to be completed first quarter 2017. Funding for priority rivers (731M PhP) included in GAA 2016.
7	FS on Sea Gateway Port Construction	Study	Facilitated by DoTr / CPA
8	A Comprehensive Solid Waste Management Master Plan for Metro Cebu	Study	For TOR development; private sector initiated project expansion (Mansei); initial discussion with DENR and also with WB
9	FS on Area Traffic Control in Metro Cebu	Study	To be Included in Project Item 1
10	Establishment of a Technical Research and Planning Unit of MCDCB & Its Capacity Development	IB	Bill authored by Cong Del Mar re MCDA filed November 2015; Bill refiled last July 2016. Possible partnership with WB explored.



As of September 2016 Status	RESOURCES FOR MEGA CEBU Summary (1) (Committed Actual / Estimated: Php or USD or JPY)		
	IBM: Corporate Service Corps	948,150 Php	
2011	IBM: ASEAN	275,200 Php	
	IBM: Executive Service Corps	4,437,000 Php	
2012	DPZ: Smart Growth Framework for City Region Development	340,000 Php	
2013	Phase I: JICA (Vision and Strategy Development)	19,701,800 Php (46,000,000 Yen)	
2012	Phase II: JICA (Roadmap Study for Sustainable Urban Development)	107,500,000 Php (2,500,000 US\$)	
2013 2015	JICA: Pilot Projects (Cebu City and City of Yokohama)	86,000,000 Php (2,000,000 US\$)	
2013	JICA: SCADA (MCWD)	500,000,000 Php	
	DPWH: Master Plan Study for Flood Control, Drainage & Stormwater Management	60,000, 000 Php	
2016	DPWH: Flood Control Projects (GAA 2016)	731,000,000 Php	
2016	OECD: Urban Green Growth in Dynamic Asia Project (OECD, Cebu Province, RAFI and other key organizations)	10,000,000 Php	
	APEC Low Carbon Model Town Study: Mandaue City	Info to be obtained	

Sub Total(Excluding RAFI and other organizations / projects and still to be determined / monetized amounts)

1,520,202,150 Php

As of September 2016 Status	RESOURCES FOR MEGA CEBU Summary (2) (Committed Actual: Monetized or Estimated Php or USD or JPY)		
Open	Professional / Technical / Management Experts (Local; Various Projects / Studies)	To be determined / monetized	
Open	Professional / Technical / Management Experts (National / International; Various Engagements)	To be determined / monetized	
Open	Students / Faculty / Examiners (Research/ Studies)	To be determined / monetized	
Open	Volunteers: Youth	To be determined / monetized	
Open	Volunteers: Adults	To be determined / monetized	
Open	Projects and Teams (YMA; Club Mega; others)	To be determined / monetized	
Open	Projects and Teams (LGU; NGA; GOCC, etc.)	To be determined / monetized	
Open	Projects and Teams (Private Sector, Civil Society, Community)	To be determined / monetized	
Open	Support for Mega Cebu Month and Other Activities (Various)	To be determined / monetized	
Sub Total		To be determined / monetized	



As of September 2016 Status	RESOURCES FOR MEGA CEBU Summary (3) (Pledged or In the Pipeline: Monetized or Estimated Php or USD or JPY)		
2016 2019	Government of Japan / JICA / Yokohama: Septage Treatment Project (Various Sites in Metro Cebu)	1,000,000,000 Php	
2016	Japan Ministry of Environment / Mansei: Waste Plastics Recycling – Commercial Scale Project	Info to be obtained	
2016	UNESCO and Local Support (Workshop on Water Tariffs, Water Governance and IWRM; excluding costs for international speakers travel, professional fees, and honoraria)	705,000 Php (15,000 USD) 500, 000 Php (monetized)	
2016 2017	GIZ GIDRM (Suitability Mapping, Lab of Tomorrow, Early Warning System)	Info to be obtained	
2016 2021	TESDA and Experts Support (Mega Cebu Traffic Enforcers Academy standards and curriculum development; Integrated Traffic Management)	To be monetized	
Sub Total		1,001,205,000.00 Php	
2011-2016	RAFI Contribution (Personnel, Operating, Projects: Estimated)	25,000,000.00	
Total (Excluding other org	anizations / projects / individuals and still to be determined / monetized amounts)	2,546,407,150 Php	