

**EASPEC North-East Asia Low Carbon City Platform (NEA-LCCP) Comparative Study:  
Final Review Meeting**

**09:30-17:00, 12 April 2019, ENEA Office Meeting Room (6th Floor)**

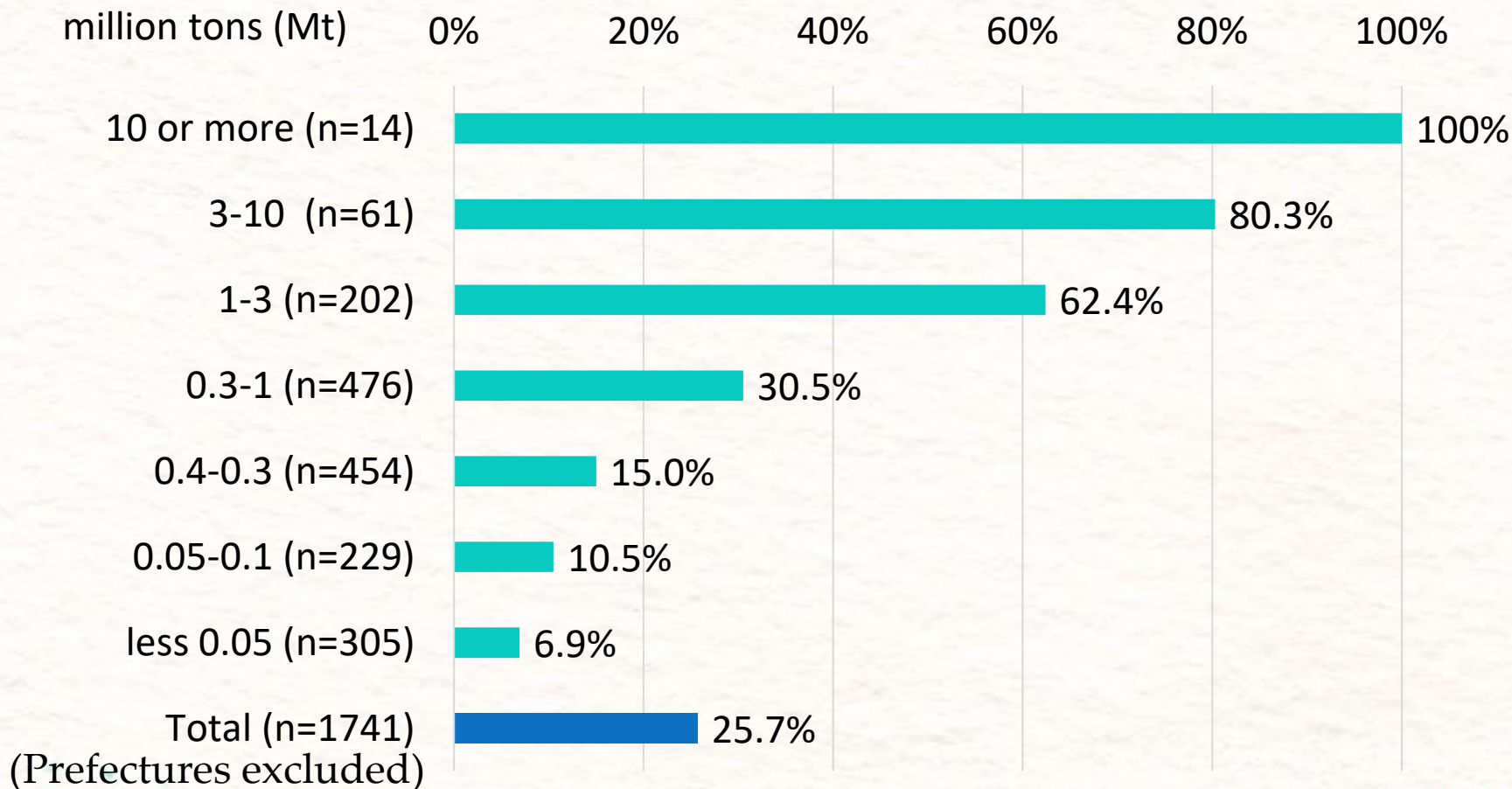
**Low-carbon City Policy in  
Japan:  
challenges and prospects**

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# Contents

- Challenges on Low-carbon City Policy in Japan
  - ✓ Action Plan Development Rate
  - ✓ Establishment of Department
  - ✓ Manpower
  - ✓ Efforts To Realize Low Carbon City
  - ✓ Challenges with local governments to Develop or Revise the Action Plan
- Next Steps

# Action Plan Development Rate by Classified Cities (Different size of emitter)(as evaluation index)



✓ Important evaluation index: Development Rate

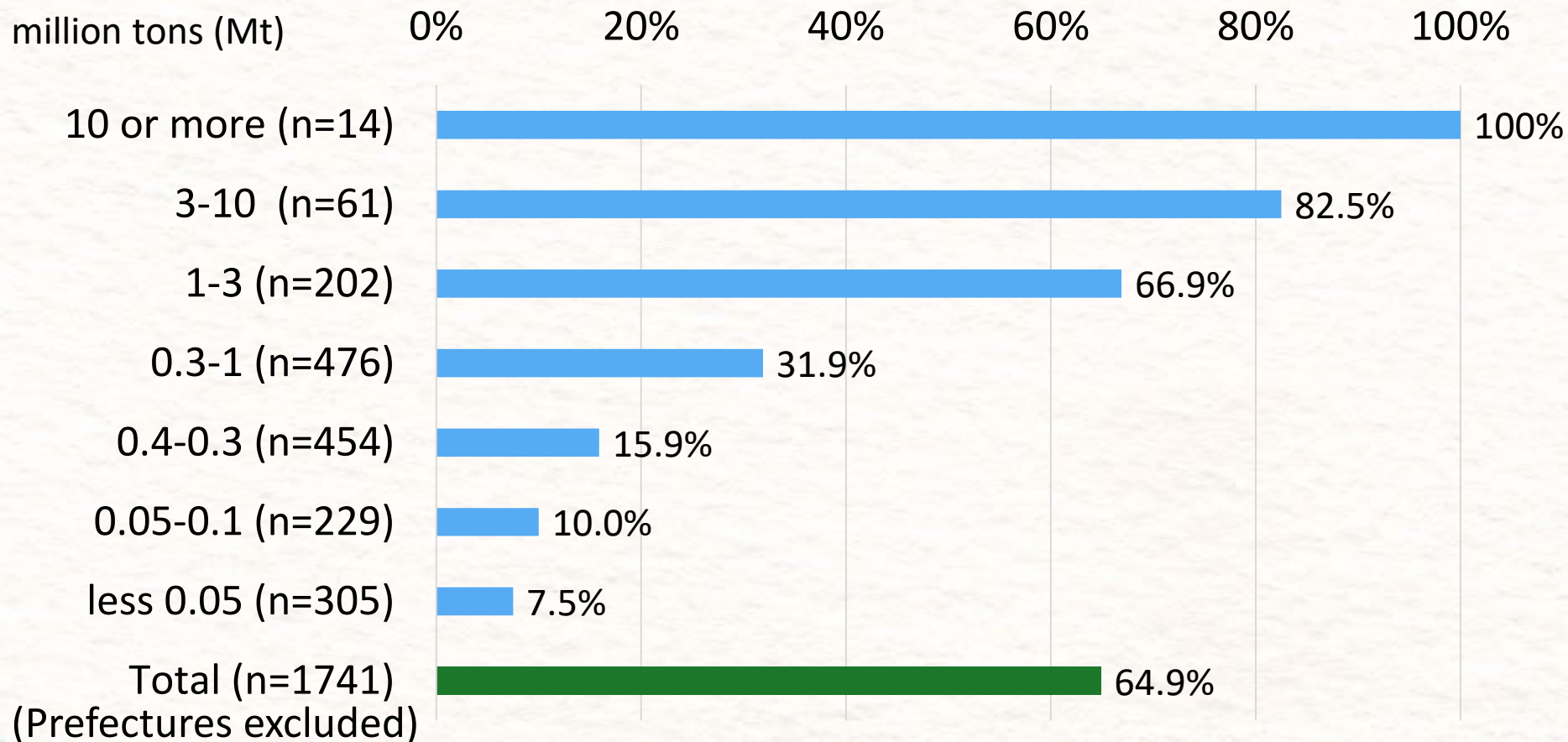
✓ 100% for big emitters (14 cities) who has more than 10 Mt GHG emissions

✓ 60%-80% for middle emitters (263 cities) with GHG emissions during 1-10 (less) Mt

✓ 10%-15% for small size emitters (683 cities) with GHG emissions during 0.05-0.05 (less) Mt

✓ The rate is lower as the city size is smaller

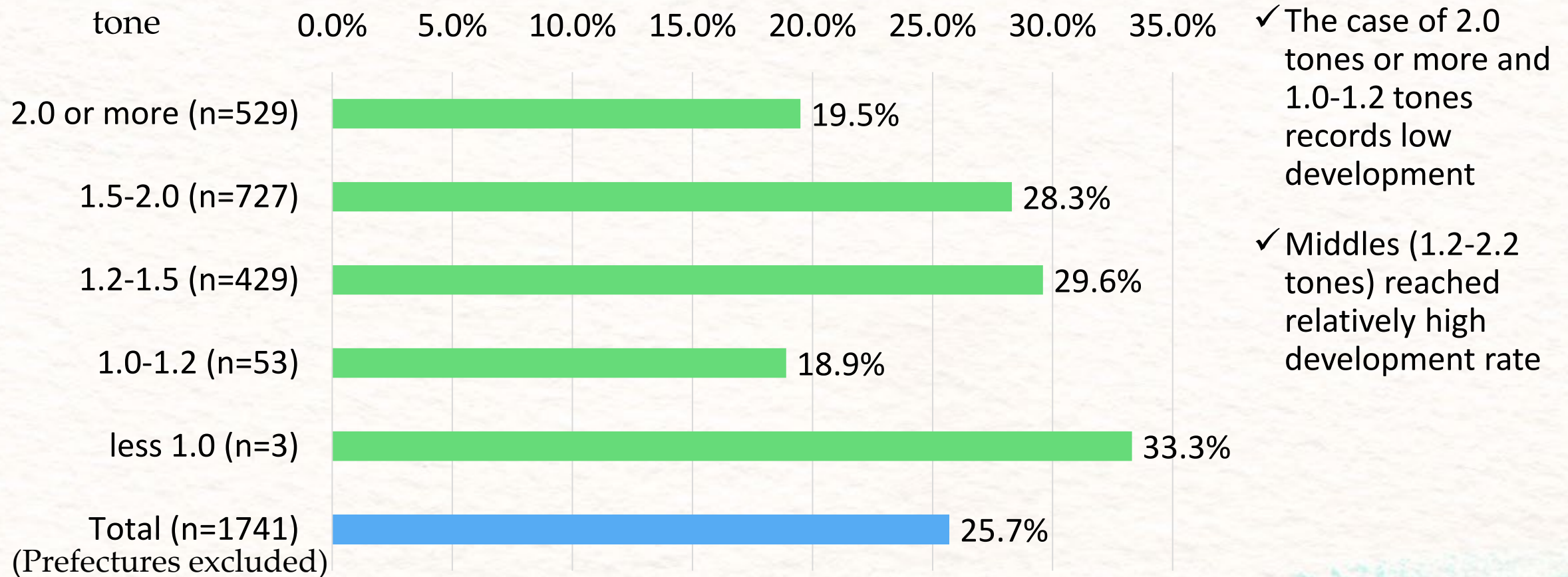
# Emission Coverage on Classified Cities (Different size of emitter)



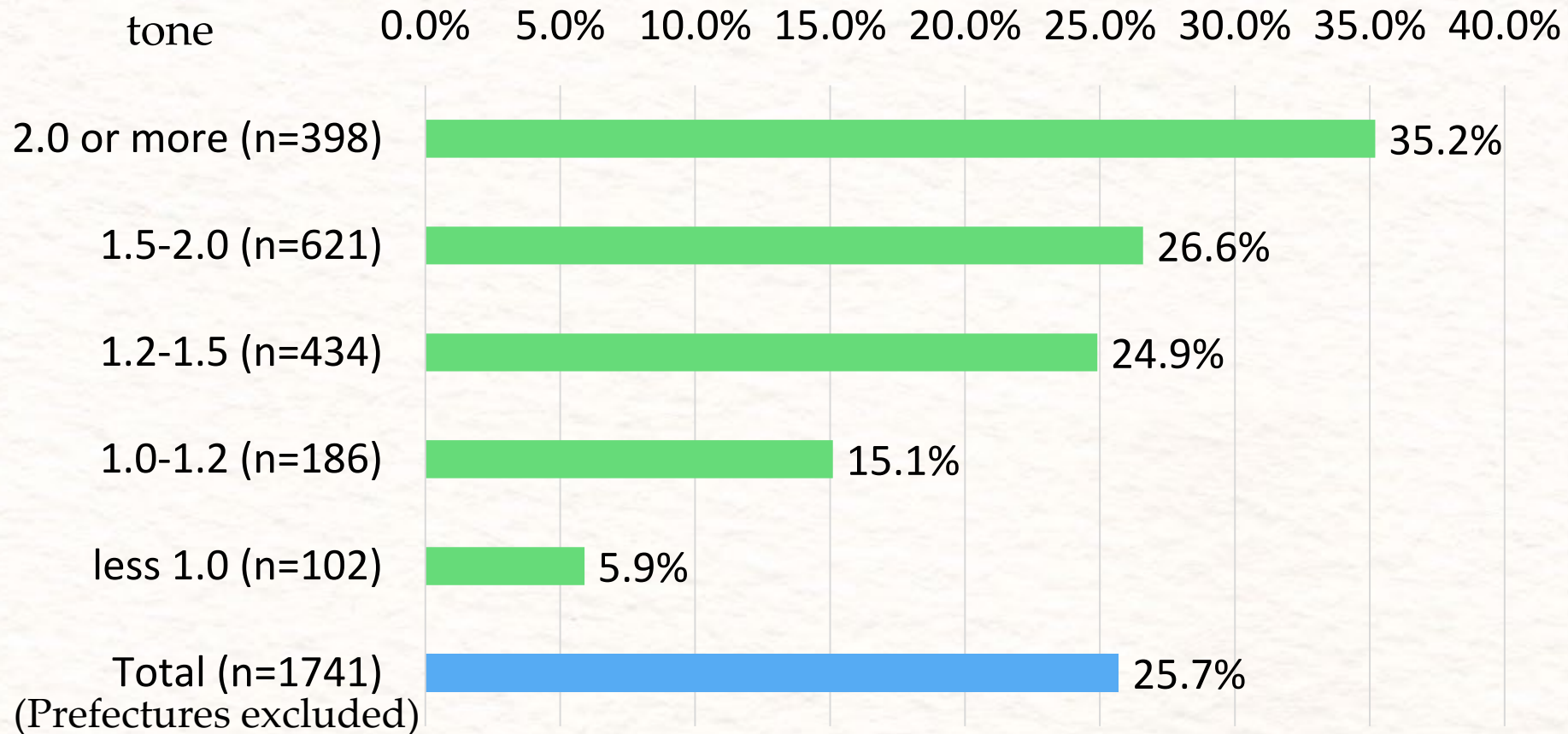
✓ Similar level to  
Action Plan  
Introduction Rate

✓ But, emission  
coverage of the  
cities already  
introduced Action  
Plan accounts  
65% of total,  
**higher than 25.2%**  
**of the Action Plan  
Development  
Rate**

# Action Plan Development Rate by Classified Cities (Per capita emissions on residential sector)

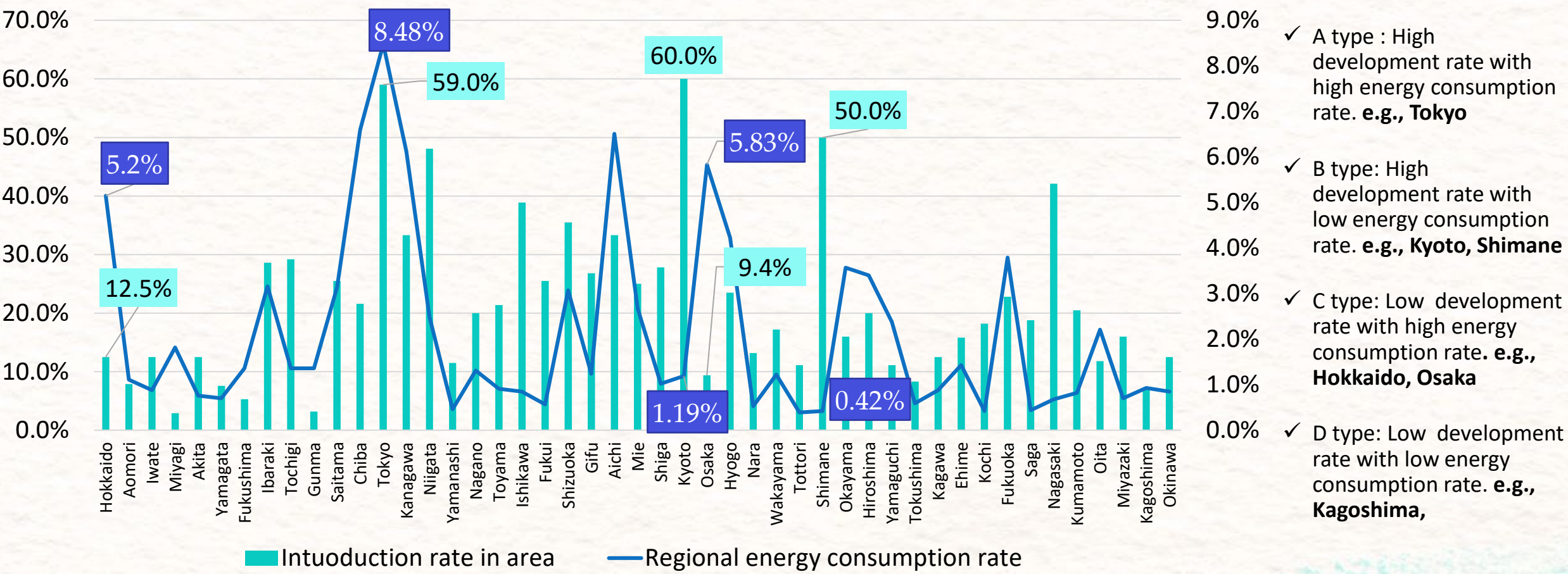


# Action Plan Development Rate by Classified Cities (Per capita emissions on commercial and other sector)



- ✓ The case of 2.0 tones or more reached relatively high development rate
- ✓ Characteristics of emission in the cities is one of the factor related to development rate or its motivation

# Gap Between the Regions : Action plan development rate V.S. Energy consumption rate



- ✓ A type : High development rate with high energy consumption rate. **e.g., Tokyo**
- ✓ B type: High development rate with low energy consumption rate. **e.g., Kyoto, Shimane**
- ✓ C type: Low development rate with high energy consumption rate. **e.g., Hokkaido, Osaka**
- ✓ D type: Low development rate with low energy consumption rate. **e.g., Kagoshima,**

Source:平成 29 年度地方公共団体における地球温暖化対策の推進に関する法律施行状況調査調査結果報告書(修正版) [http://www.env.go.jp/earth/dantai/h291001/mat01\\_1.pdf](http://www.env.go.jp/earth/dantai/h291001/mat01_1.pdf)

# States on Establishment of Department in Charge of Climate Change Policy

Type	Number of population	Department in charge of climate change policy	
		Have	None
Prefectures		47	0
Ordinance-Designated cities		20	0
Core cities		48	0
Special case cities		36	0
Cities, Towns and Villages	100,000 or more	180	3
	30,000 - 99,999	481	19
	10,000 - 2,9999	422	26
	10,000 or less	415	91
Partial-affairs-associations		427	1166

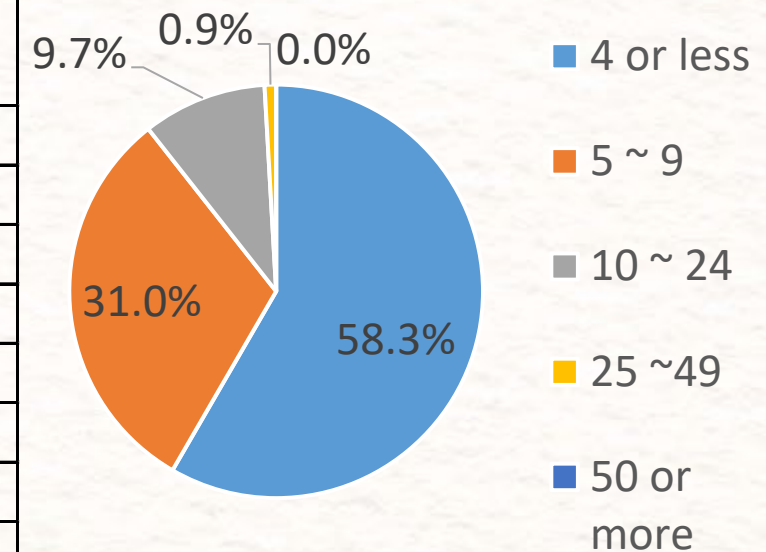
- ✓ 100% of governments as of, or bigger than Special case cities established the department
- ✓ 139 cities, towns and villages or 7.8% of total (n=1788, except Partial-affairs-associations) still not established the department
- ✓ 1166 or 73.2% of Partial-affairs-associations not established the department



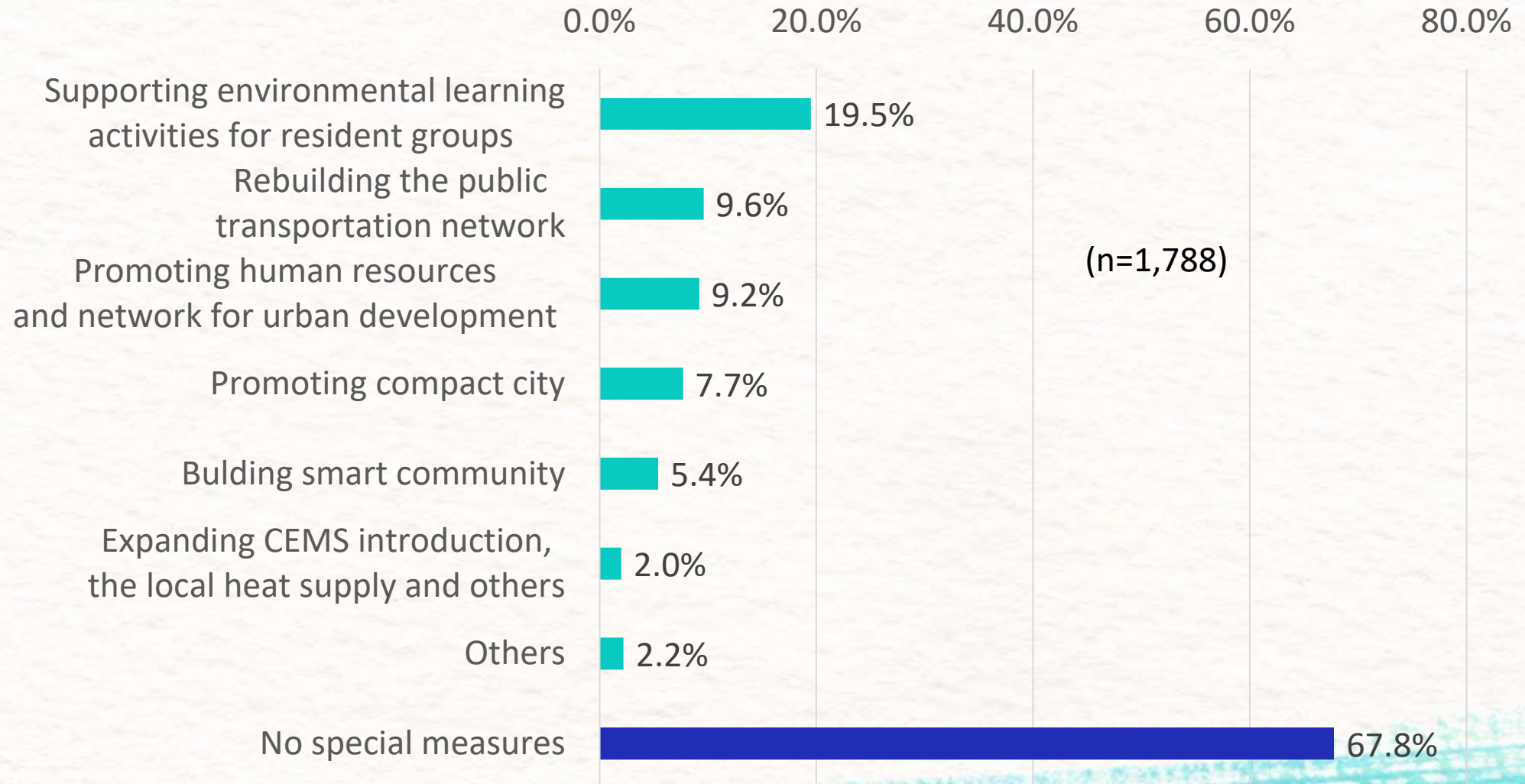
# Manpower of Department in Charge of Climate Change Policy

✓ 962 or 58.3% of local governments have few manpower of 4 or less than

Type	Number of population	Number of officials in the Department in charge of climate change policy				
		4 or less	5 ~ 9	10 ~ 24	25 ~49	50 or more
Prefectures		4	23	16	3	1
Ordinance-Designated cities		2	8	3	7	0
Core cities		11	23	14	0	0
Special case cities		12	16	7	1	0
Cities, Towns and Villages	100,000 or more	80	66	33	1	0
	30,000 - 99,999	260	182	37	2	0
	10,000 - 2,9999	296	105	20	1	0
	10,000 or less	297	88	30	0	0
Partial-affairs-associations		305	103	16	3	0

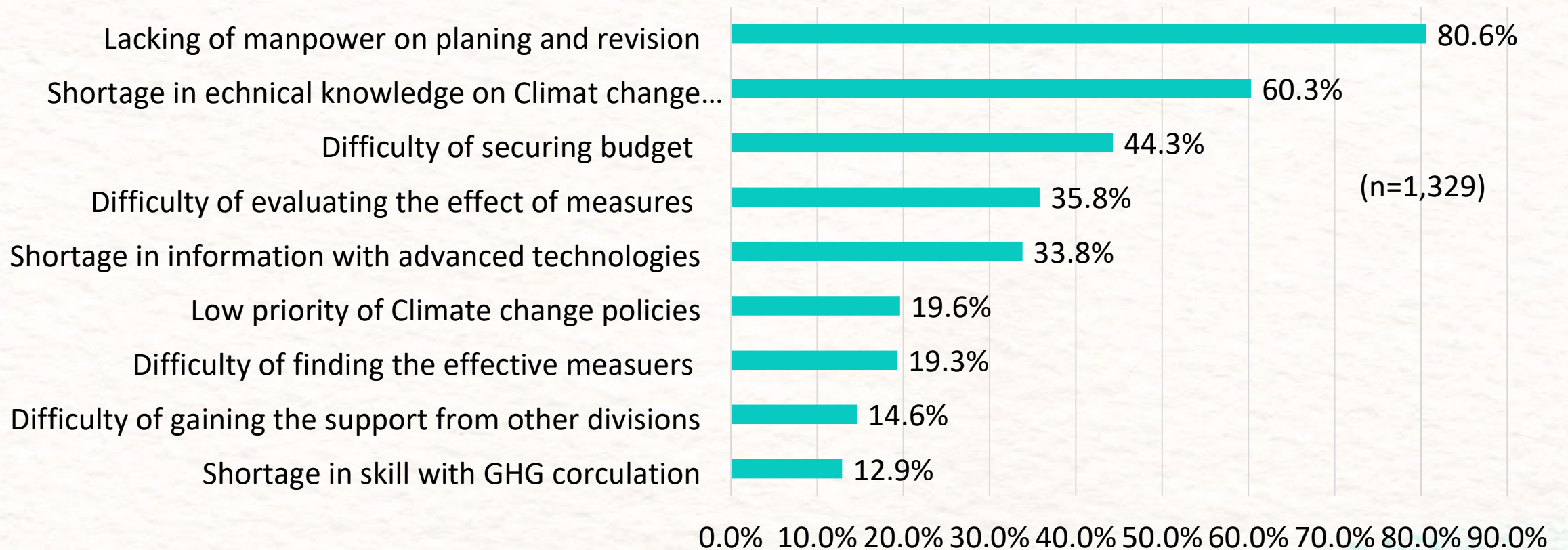


# Efforts To Realize Low Carbon City



# Challenges with local governments to Develop or Revise the Action Plan

Q:The reason why did not formulate the plan or not revised it timely



## Next Steps:

- Deadline for final report submission?
- What is the common format?
- What is your next research steps?