

# Sustainable Cities 'Thanks to People'

**The Cities in the World do 'Need the People'**

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At WSBE17 June 2017**

# Sustainable Cities 'Thanks to People'

**TODAY – More people in Cities**

**TODAY – we built large Cities**

**TODAY - We want Sustainable**

**TODAY – and Resilient Cities.**

**Only**

**Citizens think on Small Scale**

**Municipalities act on Large Scale.**

Sustainable Cities 'Thanks to People'

**We create large Cities**

**Hong Kong**

**Tokio**

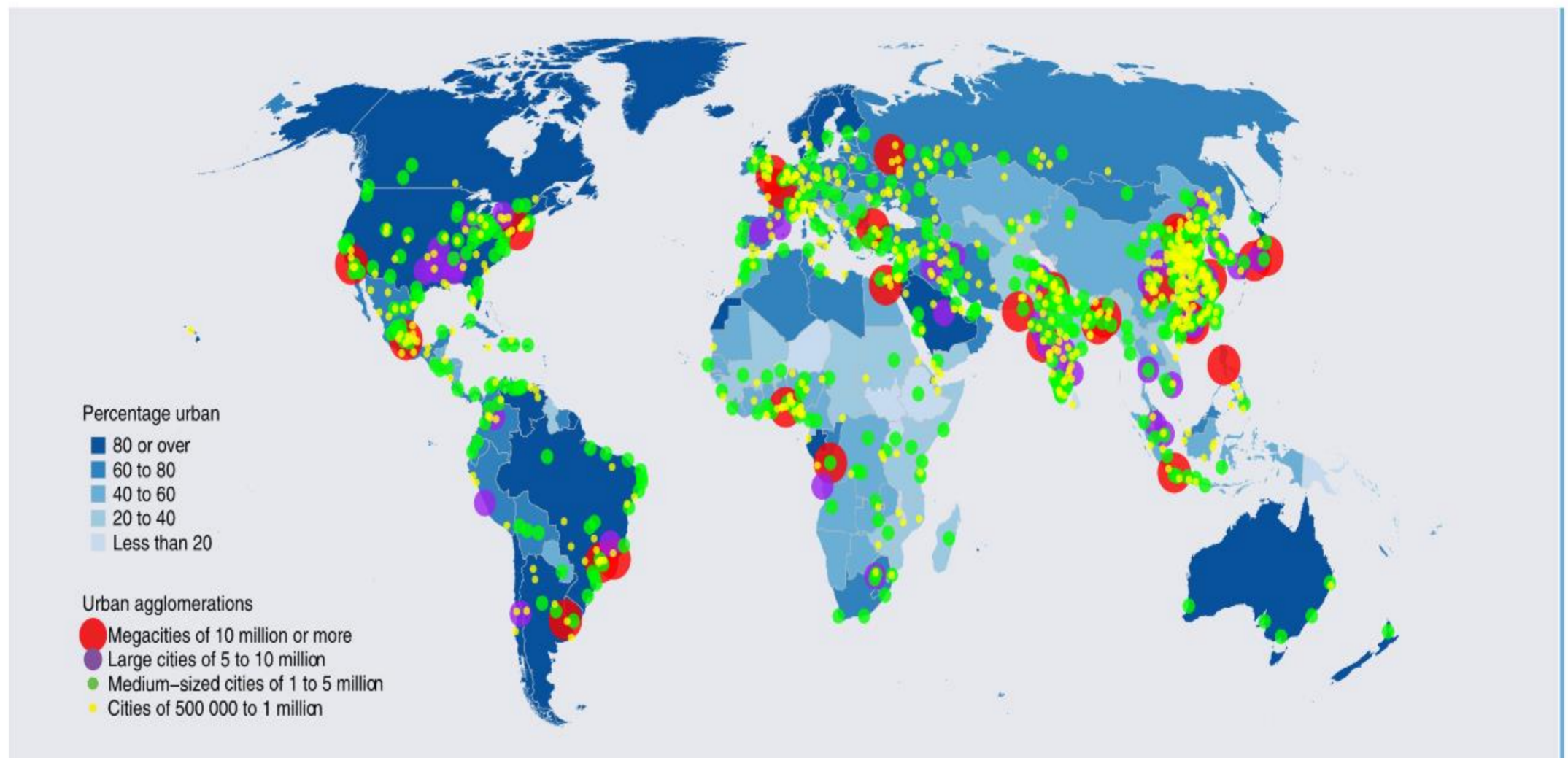
**New York**

**Delhi**

# Sustainable Cities 'Thanks to People'

## Large Cities develop Worldwide

Percentage urban and location of urban agglomerations with at least 500,000 inhabitants, 2014



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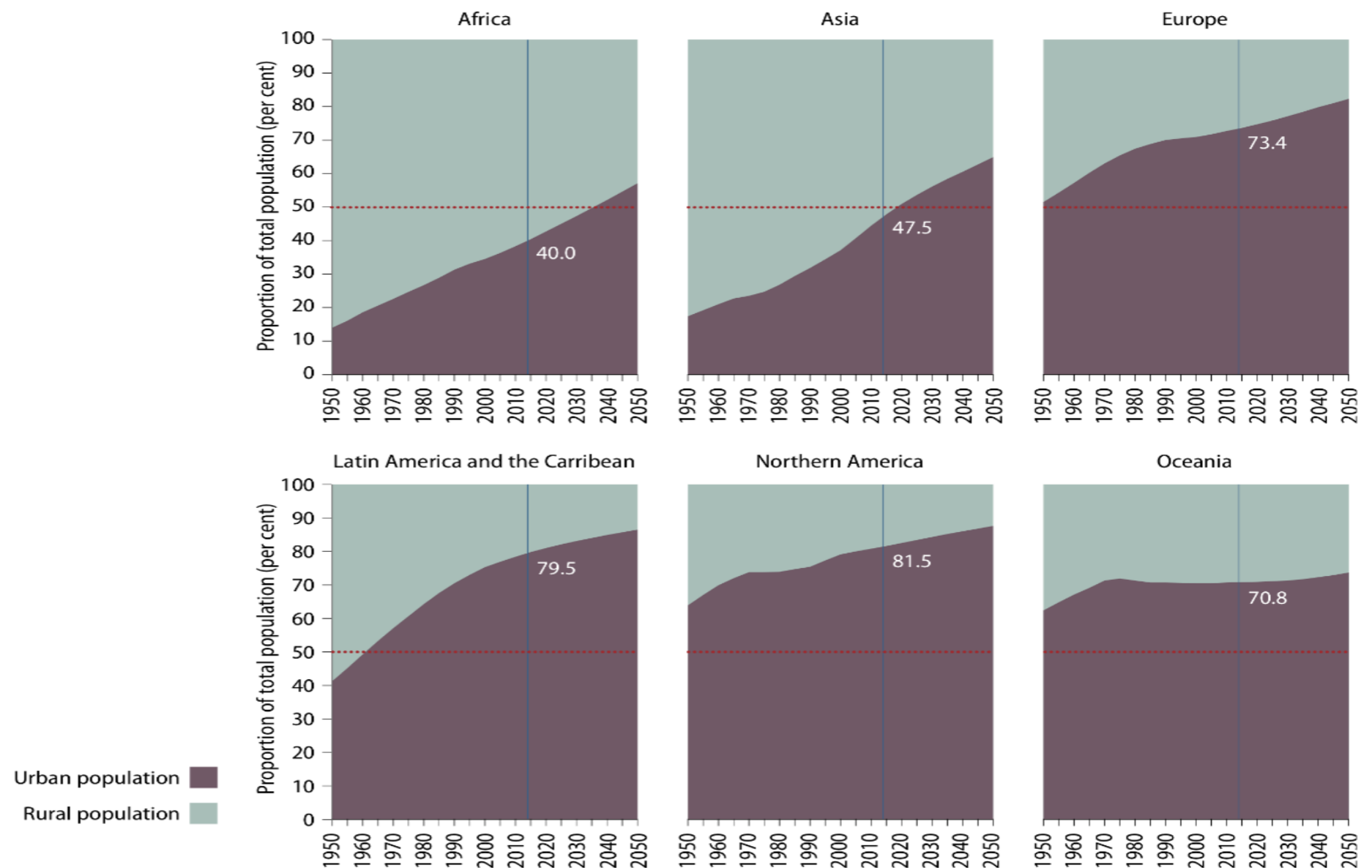
## The largest cities Ranked!

Rank	City / Urban Area	Country	Population
1	Tokyo–Yokohama	Japan	37843000
2	Jakarta (Jabodetabek)	Indonesia	30539000
3	Delhi	India	24998000
4	Manila (Metro Manila)	Philippines	24123000
5	Seoul–Gyeonggi–Incheon (Sudogwon)	South Korea	23480000
6	Shanghai	China	23416000
7	Karachi	Pakistan	22123000
8	Beijing	China	21009000
9	New York City	United States of America	20630000
10	Guangzhou–Foshan (Guangfo)	China	20597000

# Sustainable Cities 'Thanks to People'

## Urbanization Goes On!

Urban and rural population as proportion of total population, by major areas, 1950–2050



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**New Sustainable Cities Arise!**



# Sustainable Cities 'Thanks to People'

## The Top10 Sustainable Cities

These are the world's most sustainable cities

Based on Sustainable Cities Index 2016

1. Zurich, Switzerland
2. Singapore
3. Stockholm, Sweden
4. Vienna, Austria
5. London, UK
6. Frankfurt, Germany
7. Seoul, South Korea
8. Hamburg, Germany
9. Prague, Czech Republic
10. Munich, Germany

Source: Arcadis and the Centre for Economic and Business Research



# Sustainable Cities 'Thanks to People'

## Resilient Cities Arise!

### 100 RESILIENT CITIES

As home to more than half the world's population, cities are some of the places most vulnerable to the impacts of a warmer world. Yet in many ways, they're still not equipped to deal with the challenges climate change presents.

[WWW.100RESILIENTCITIES.ORG](http://WWW.100RESILIENTCITIES.ORG)

# Sustainable Cities 'Thanks to People'

## Resilient Cities need the People!

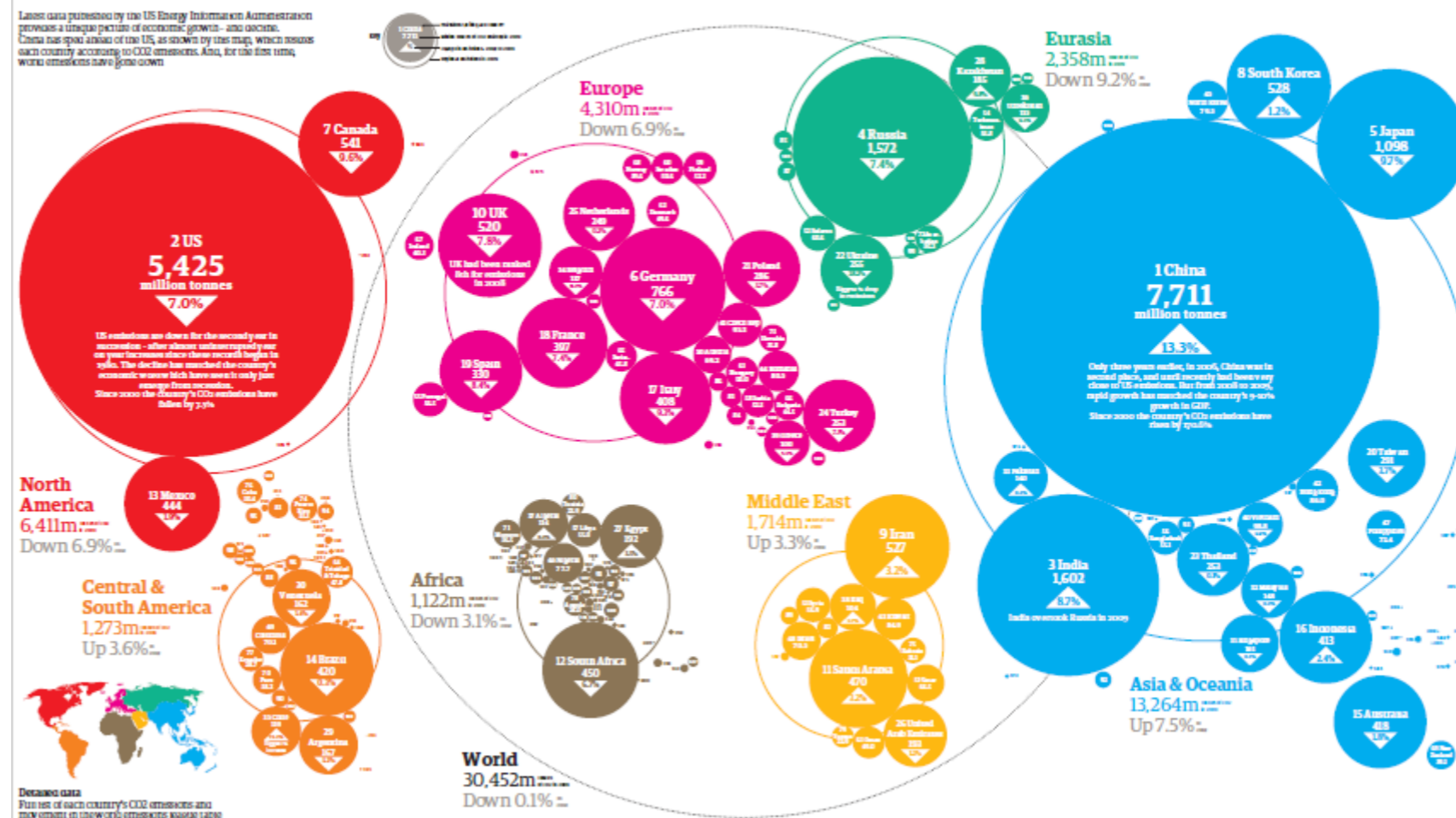
### Ten Essentials for Making Cities Disaster Resilient?

- Essential 1: Institutional and Administrative Framework
- Essential 2: Financing and Resources
- Essential 3: Multi-hazard Risk Assessment- Know your Risk
- Essential 4: Infrastructure Protection, Upgrading and Resilience
- Essential 5: Protect Vital Facilities: Education and Health
- Essential 6: Building Regulations and Land Use Planning
- Essential 7: Training, Education and Public Awareness
- Essential 8: Environmental Protection and Strengthening of Ecosystems
- Essential 9: Effective Preparedness, Early Warning and Response
- Essential 10: Recovery and Rebuilding Communities

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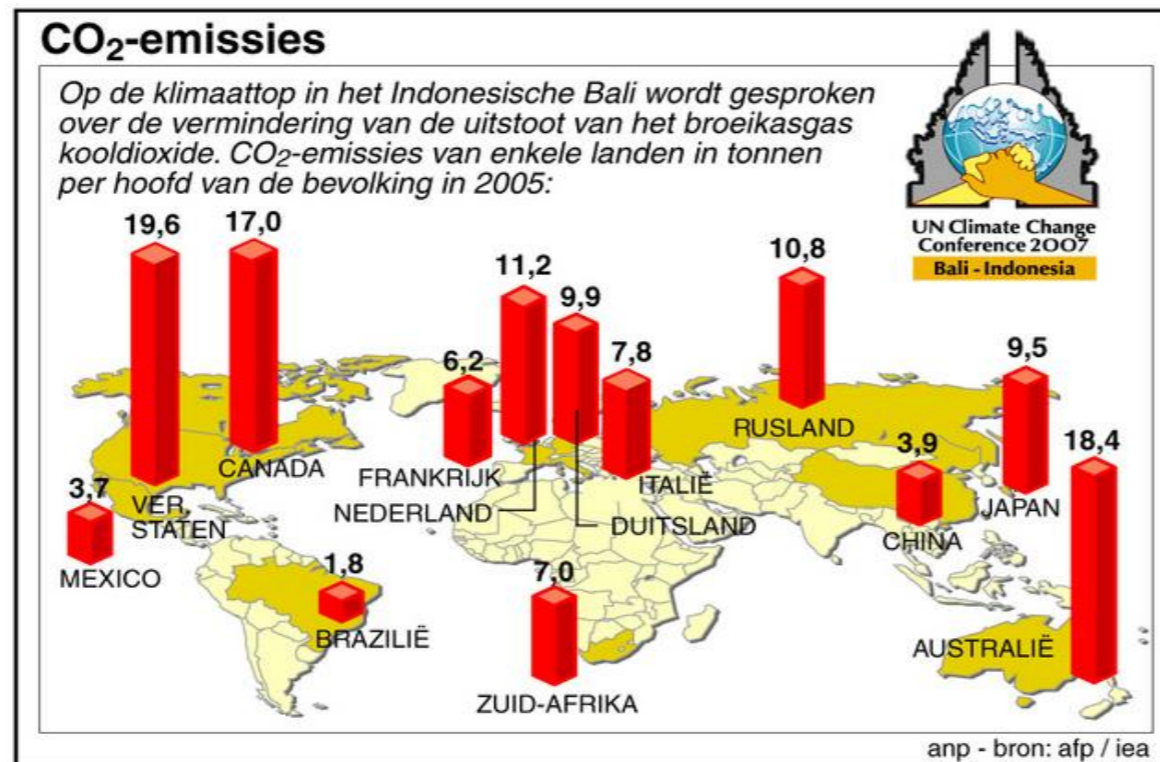
## To reduce increasing CO2 Emissions

### An atlas of pollution: the world in carbon dioxide emissions

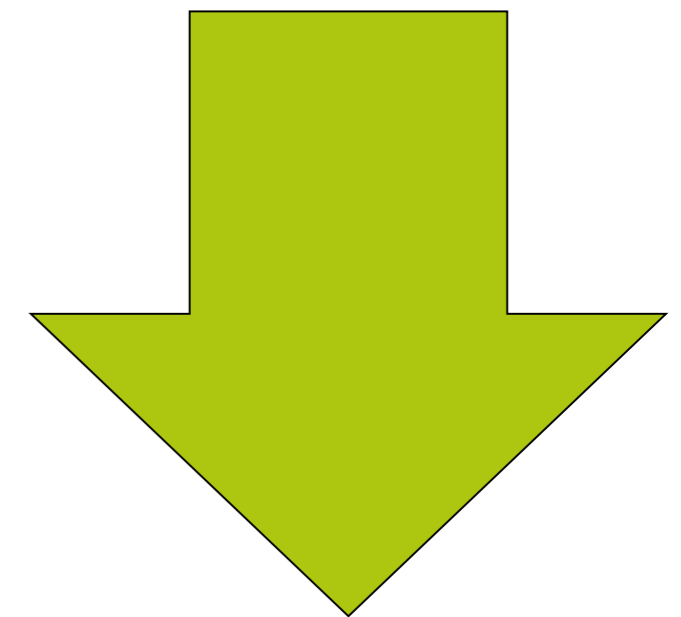


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## Challenge of reducing CO2 Emission



**HOW PEOPLE  
MANAGE THEIR  
CONTRIBUTION**



**BY: Innovation, Technology,  
Governmental Investments  
..... AND BY  
'People Taking Responsibility!'**

**ON SMALL SCALE**

# Sustainable Cities ‘Thanks to People’

## Small Dutch Neighbourhood Initiatives

### ‘Best Practices’

Vissershop  
Zaandam



# Sustainable Cities ‘Thanks to People’

## Small Dutch Neighbourhood Initiatives

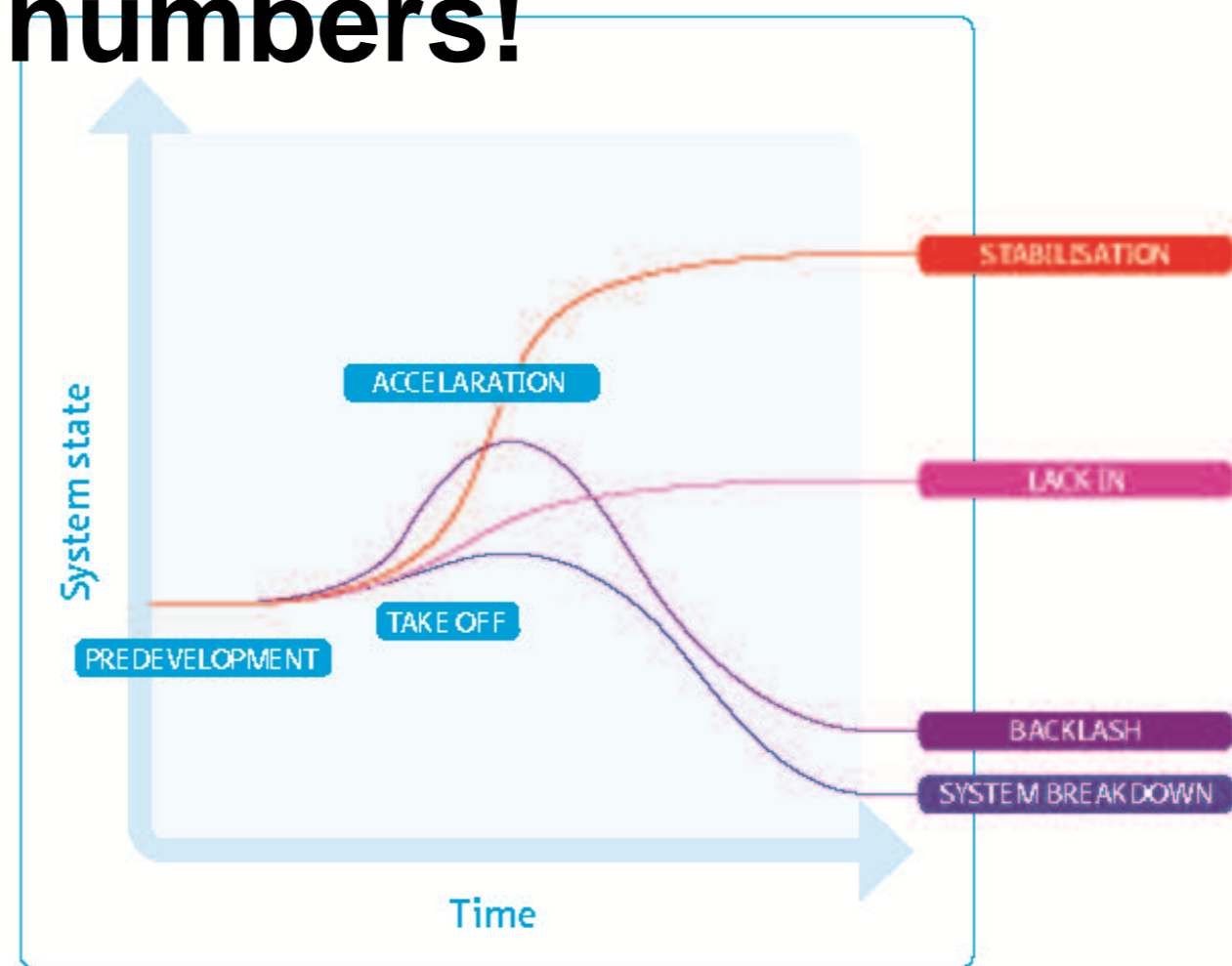
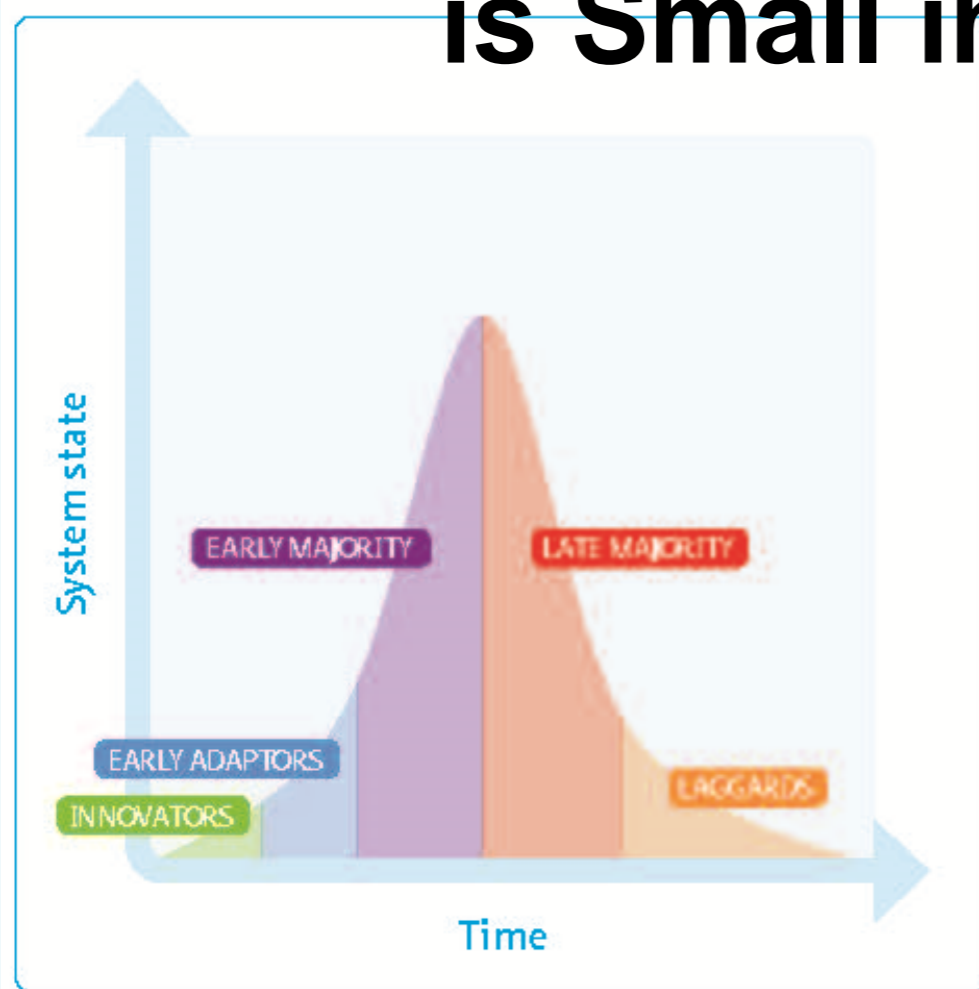
### ‘Best Practices’

Heijplaat  
Rotterdam



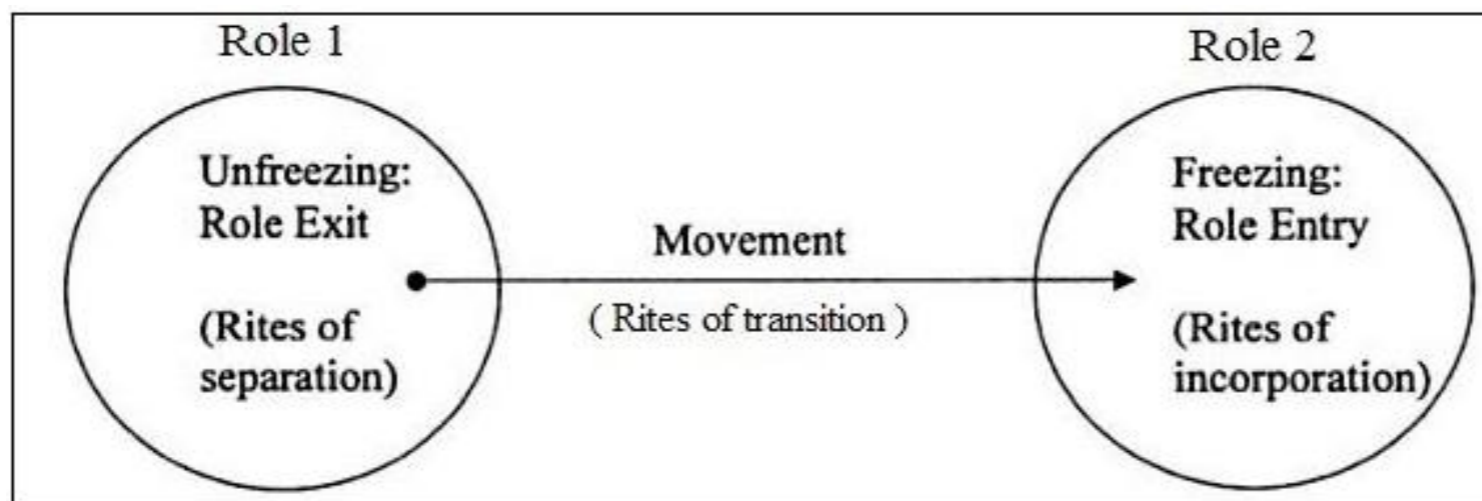
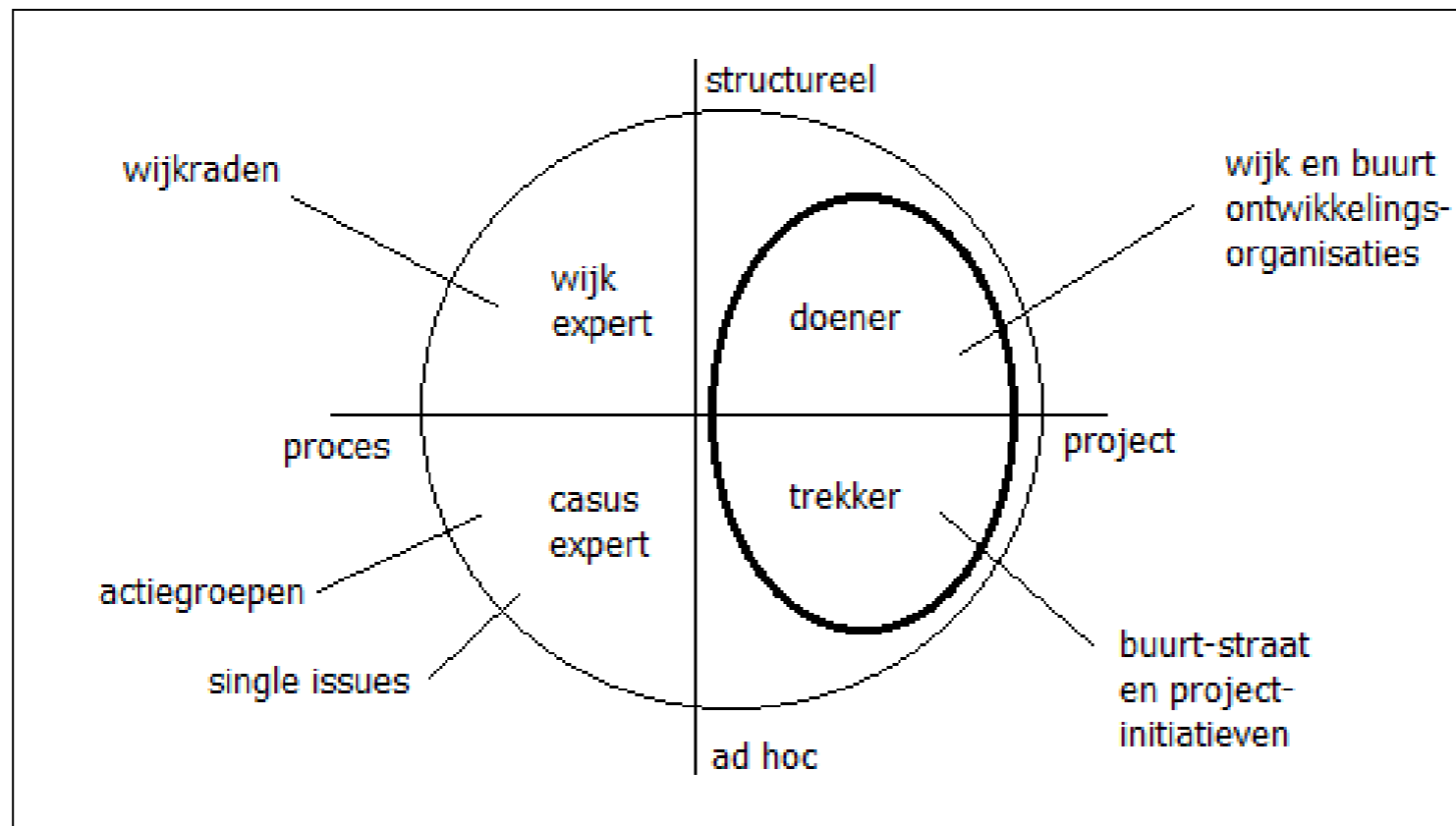
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**The Percentage of Early Adaptors is Small in numbers!**



# Sustainable Cities 'Thanks to People'

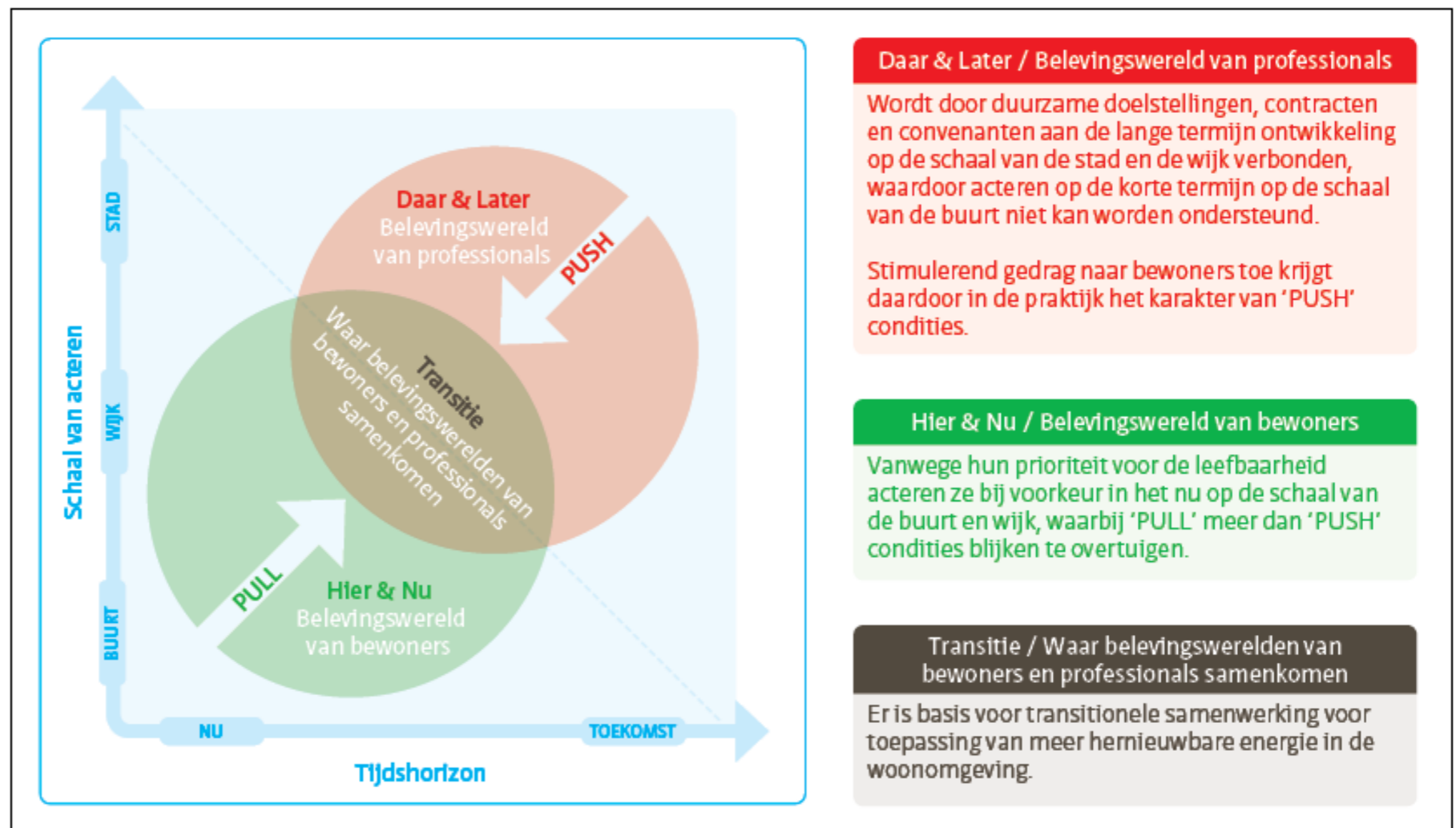
## Role Change





# Sustainable Cities 'Thanks to People'

**Civilian Initiative and Governmental Policy, in the overlap these are successful!**



# Sustainable Cities 'Thanks to People'

## Citizens Initiatives of Dutch Cities Researched

Heerhugowaard



Heijplaat Rotterdam



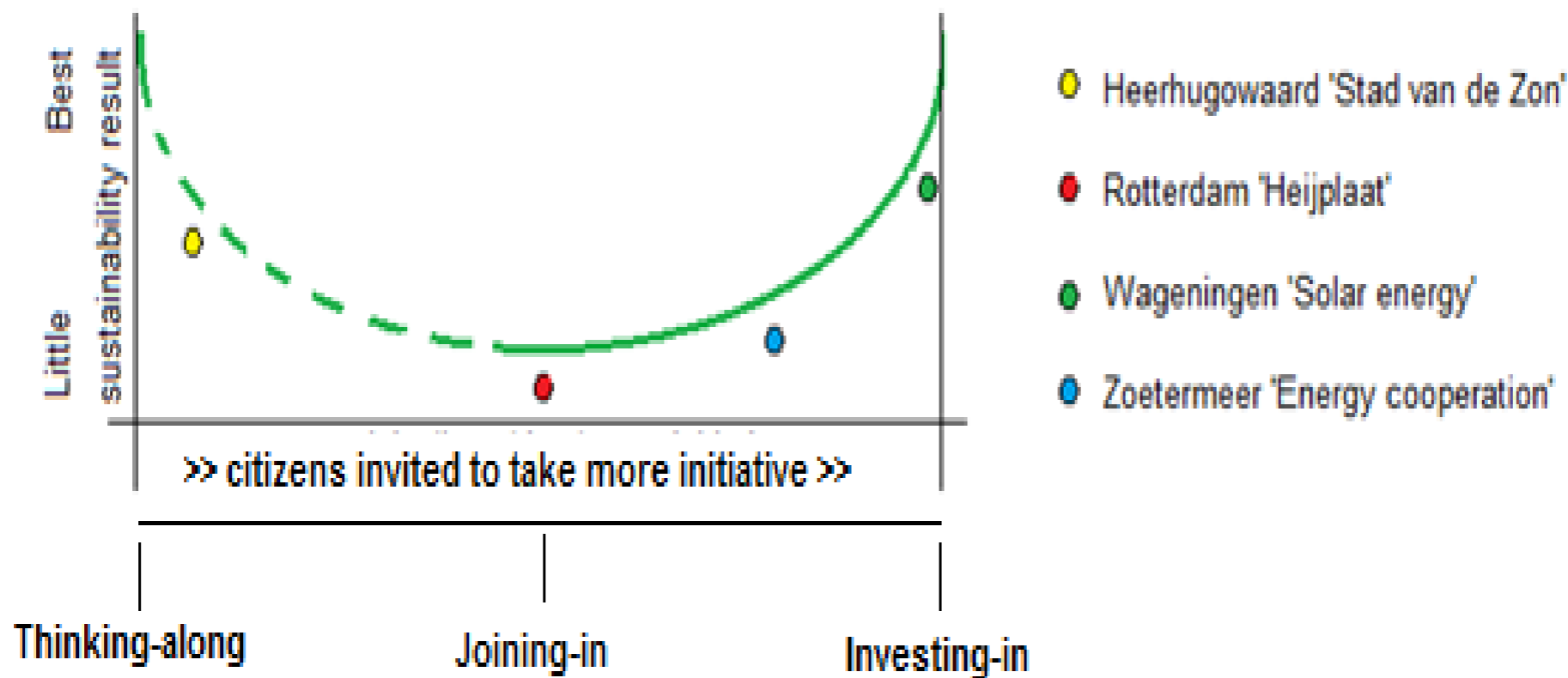
Wageningen



Zoetermeer

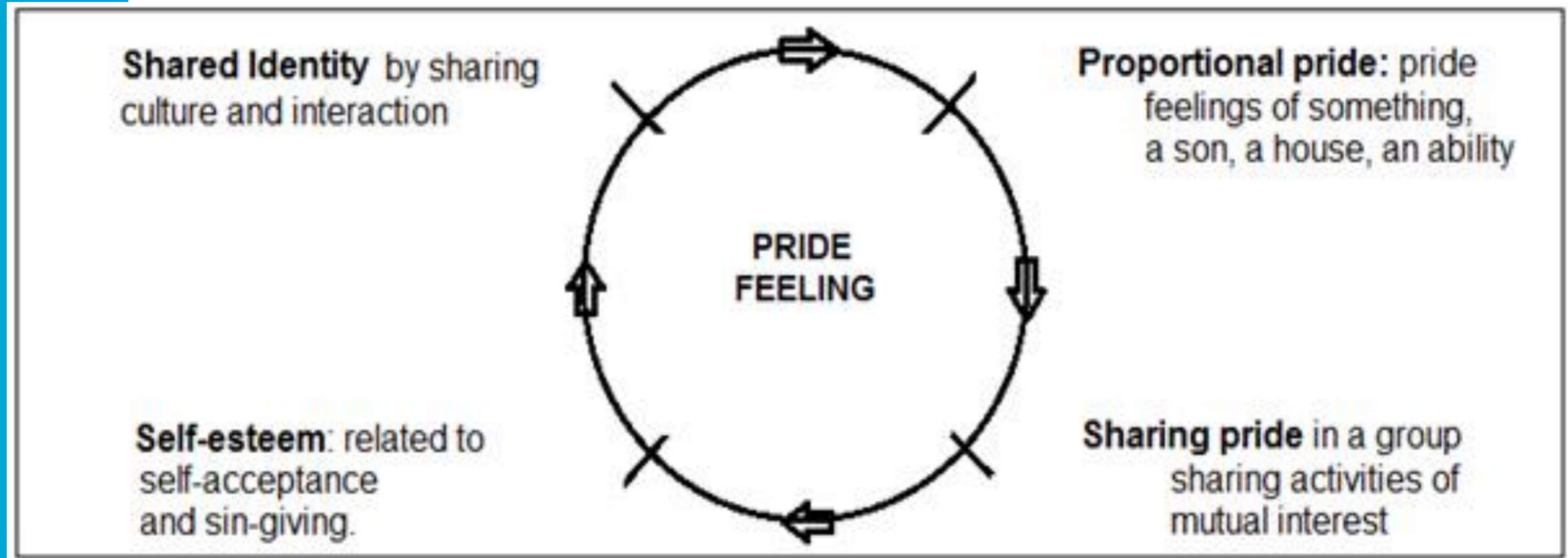
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## Civilian Initiative Successful by 'Zero' and 'Full' Governmental Steering



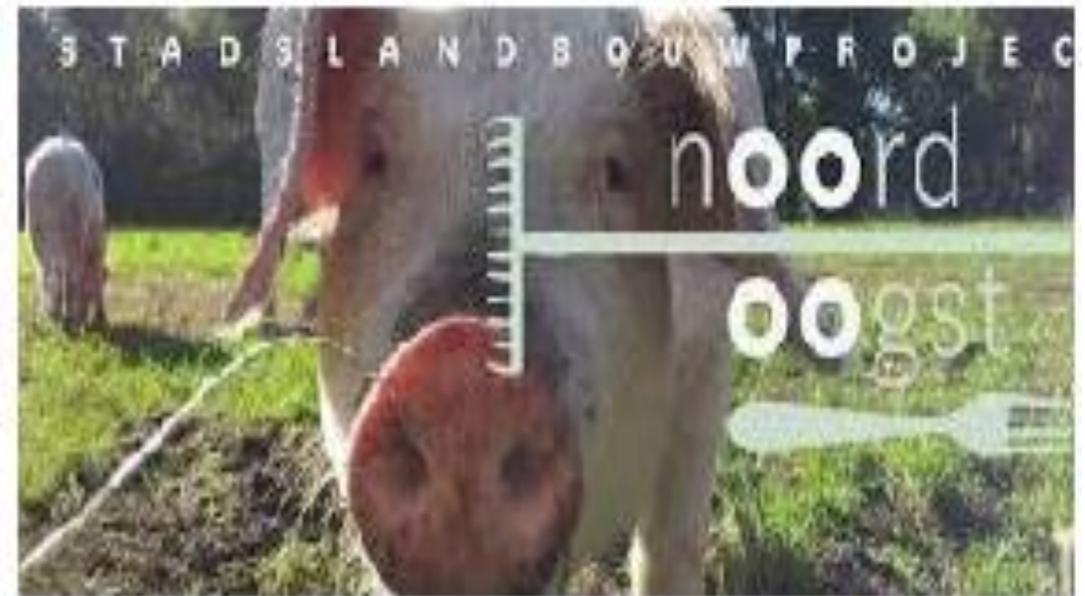
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## The 'Circle of Pride Feeling'



# Sustainable Cities 'Thanks to People'

## Amsterdam Small Scale Neighbourhood Initiatives



# Sustainable Cities 'Thanks to People'

## Amsterdam Small Scale Neighbourhood Initiatives



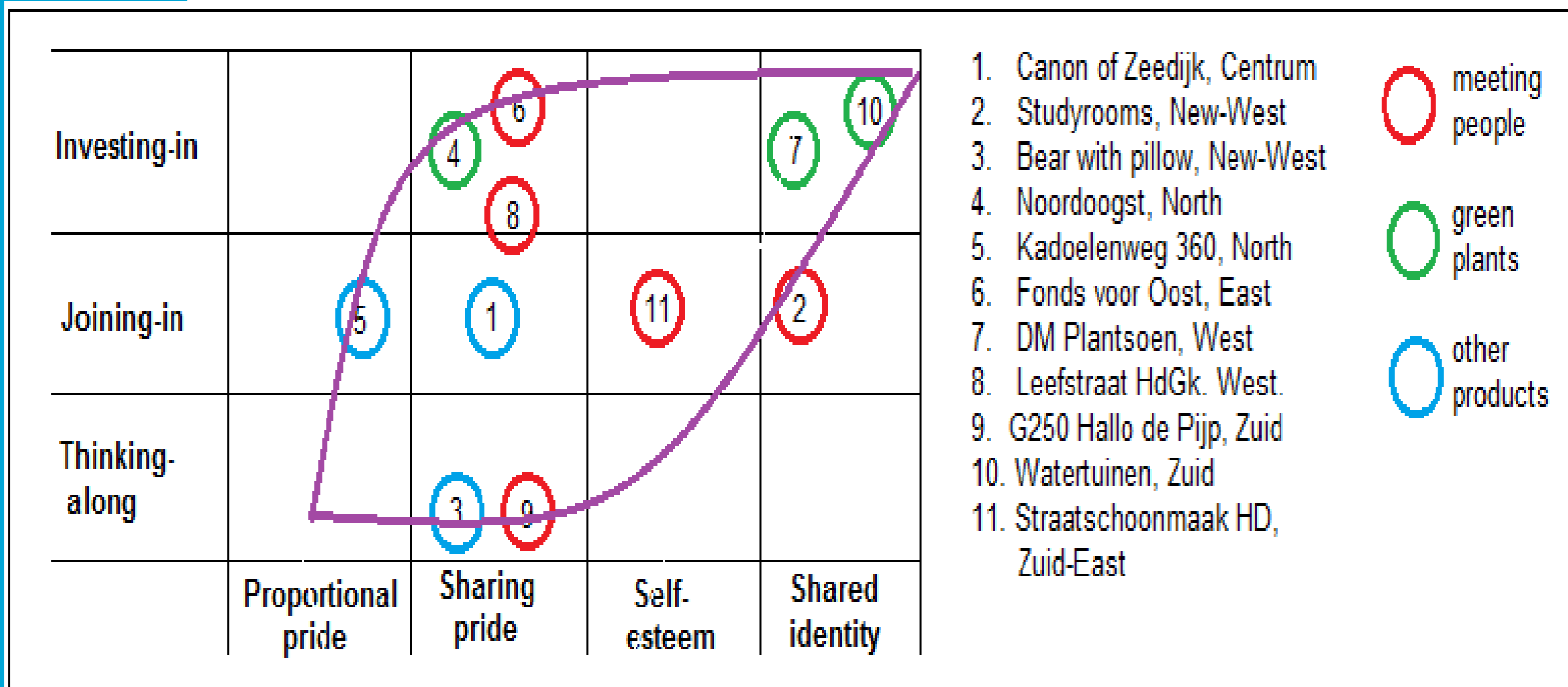
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## Research Set-up en Results

Civilian Initiative Factors		Density to 1/1000	Local development factor	Proud Feeling factor	Negative Motivation factor
		%	%	%	%
Centrum	1	-50	15	10	70
	2	-	88	0	50
Nieuw-West	3	+/-3	100	85	5
	4	-65	5	30	35
	5	x	x	x	x
Noord	6	-	80	70	50
	7	+30	60	80	0
Oost	8	+/-30	80	50	0
	9	x	x	x	x
	10	x	-x	x	x
West	11	-	70	80	10
	12	+20	80	80	10
	13	x	x	x	x
Zuid	14	+/-1	100	20	80
	15	-	50	100	-
	16	+150	100	80	40
Zuid- Oost	17	-10	70	70	25

# Sustainable Cities 'Thanks to People'

## Pride Feelings coupled to Citizen Initiatives their foundation.





# Sustainable Cities 'Thanks to People'

## **Pride Feelings coupled to Citizen Initiatives their foundation.**

### **Conclusions**

1. Sharing Pride is the Motivator
2. Sharing pride is not selective
3. Green Initiatives ask Citizens to support by Investment, time & money
4. Investments are motivated by sharing pride and Identity.

# Sustainable Cities 'Thanks to People'

## **Success factors for Civilian Initiatives**

1. Small scale neighbourhood coupled
2. Frontrunners with energy
3. Citizens that want to invest
4. Municipality with patience
5. Sharing Pride Feelings
6. Recognize the power of Green
7. Exchange sustainable successes

# Sustainable Cities 'Thanks to People'

**QUESTIONS AND REMARKS!**  
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**For WSBE17 Hong Kong**

