



Singapore at 50:
What lies ahead?
2-3 July 2015
Shangri-La Hotel

SESSION THREE

The City: Energy, the Environment and Resilience

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Organised by



In Celebration of



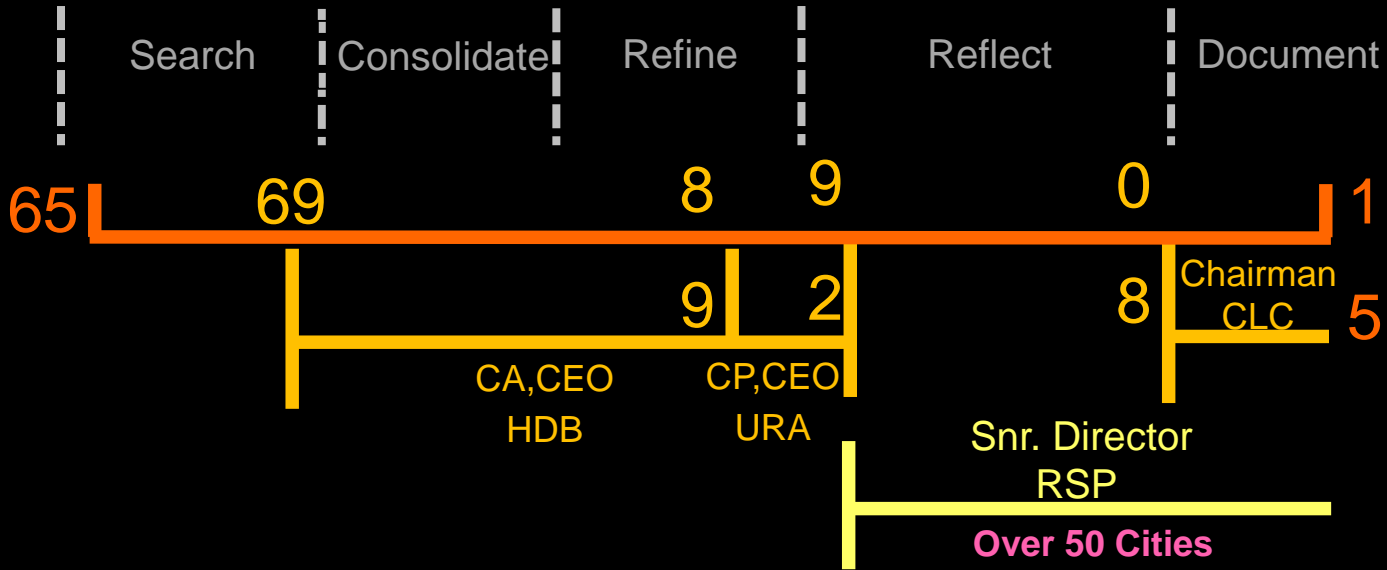
Ideas for Cities In the Future

Singapore Perspective

Institute of Policy Studies
Shangri-La Hotel, Singapore
3 July, 2015

RSP Singapore

● My Career Path



Singapore as my Urban Laboratory
R&D Fundamental of Urban Planning

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● Key Words

○ Singapore

@50 – Next 50

What Lies Ahead? By 2065?

○ Singapore

Resource, Climate, Sea Levels

How do we cope?

○ Cities

Growing Population, Environment & Ecology Challenges

Can New Technologies, Car-Less City

Virtual Infrastructure Help?

○ Issues

Economy → Population → Sustainability

→ Intelligent Planning → Technology → Better World

●● Urban Development in a Nutshell

Ideas Need

Physical Body To Reside In
20 Years To be Proven

Citizen's Activities

Results

Concrete + Steel

Make or Break
City in Future !

Physical

Urban Design
Implementation

Planning

Technology

Sieve

4
3
2
1

Translation

Plans on Paper

Dimensions

Ideas + Data
To be Tested

Culture

Economy

Social

Etc

Etc

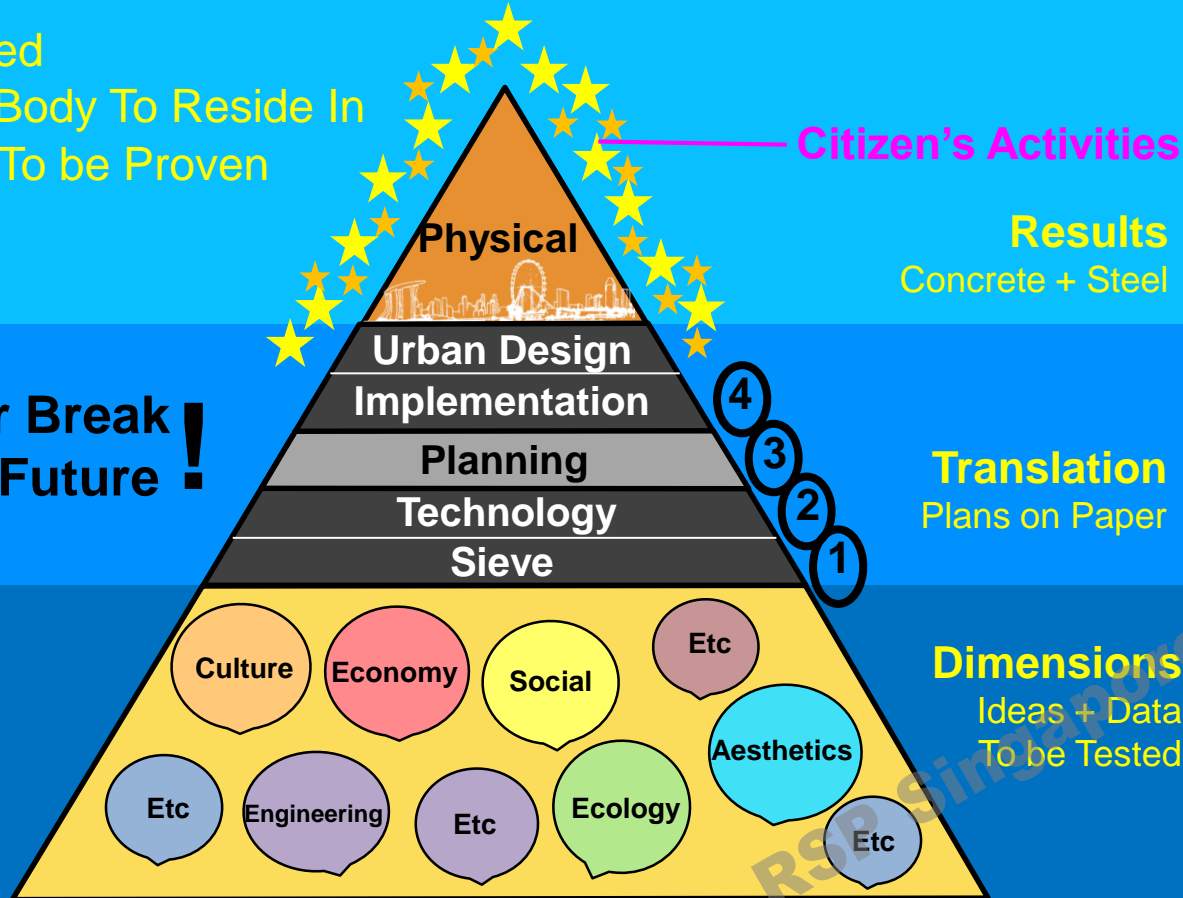
Engineering

Etc

Ecology

Aesthetics

Etc



● 1.Sieving Ideas

- Fundamental Human Needs, Not Changed for Centuries
Make Long Term Urban Plan for Fundamental Needs
To Look to Future, Know First Our Past & Present
- Create Urban System and Sub-Systems
Understand Internal Logic Among Parts
Like Human Body
- Healthy Body (System) is Beautiful Regardless of Clothes
Beautiful Clothes (Image) Enhance Healthy Body

● 2. Technology

○ Great Need to Pursue Good Design

Dangerous to Depend on Technology to Solve Urban Ills

○ Technology is Tonic + Vitamin for Body

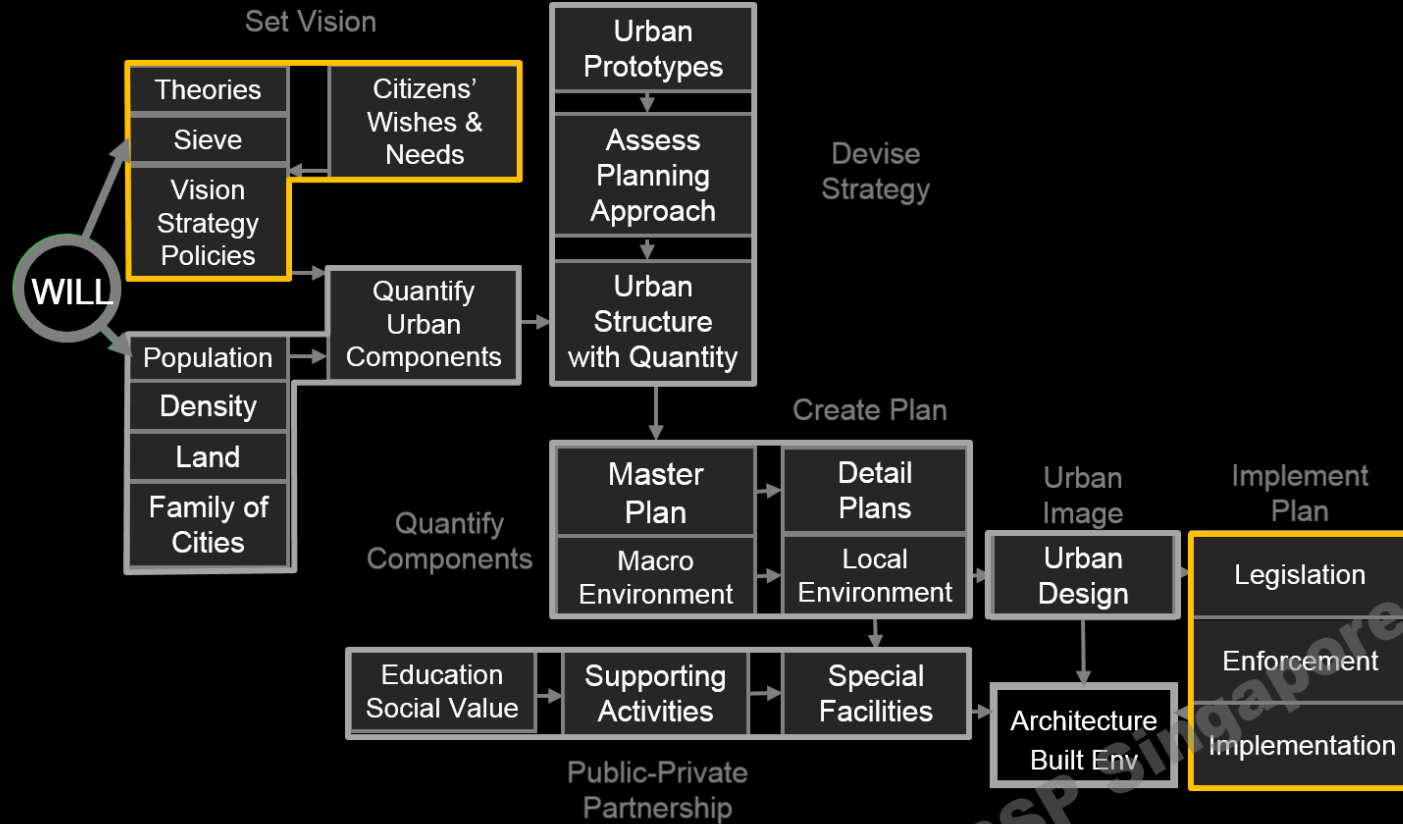
Technology Enhances, but not Replace Good Design

○ The More Intelligent the Plan or Design

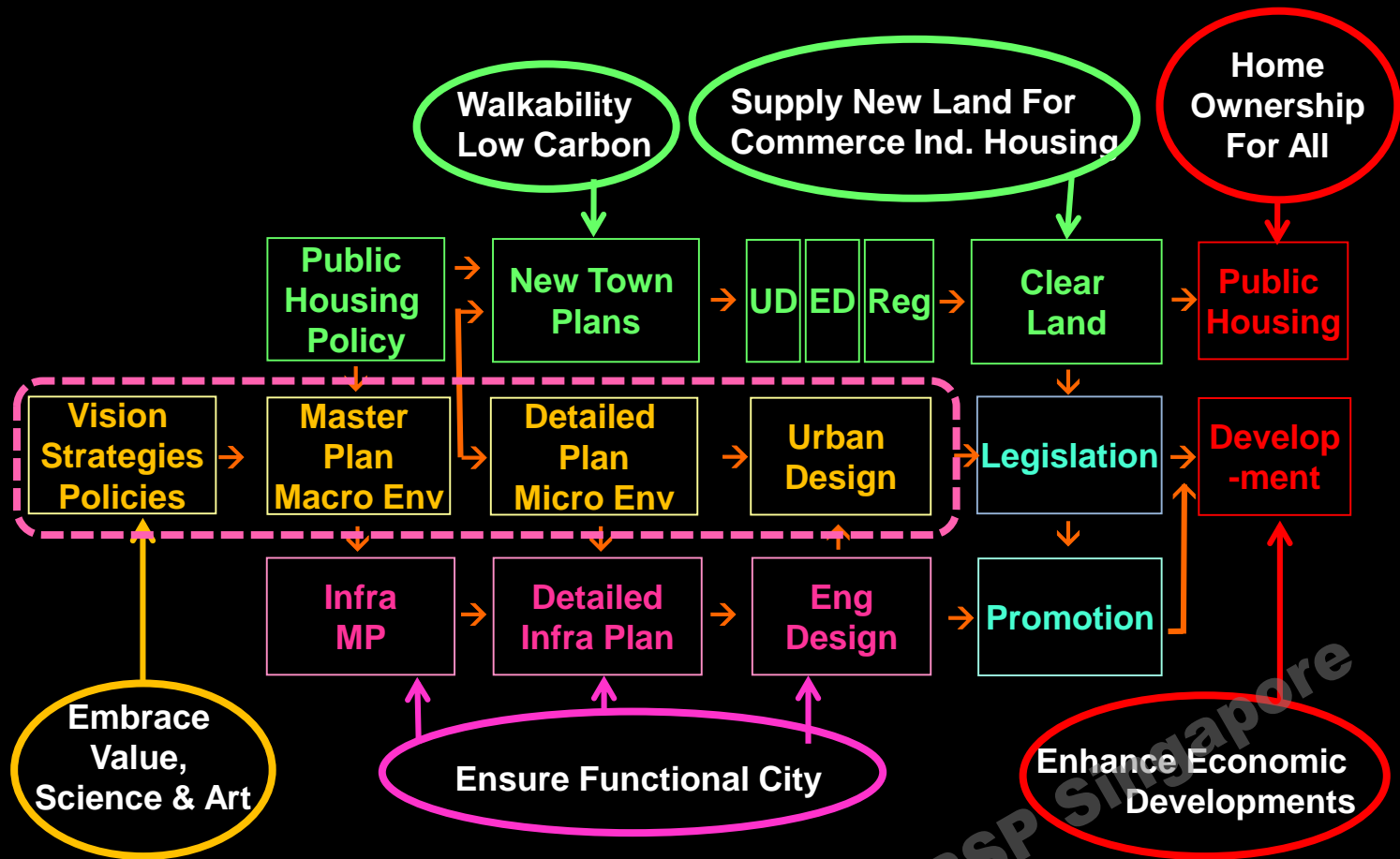
The Less Dependent on Technology

The More Effective can Technology Enhance Them

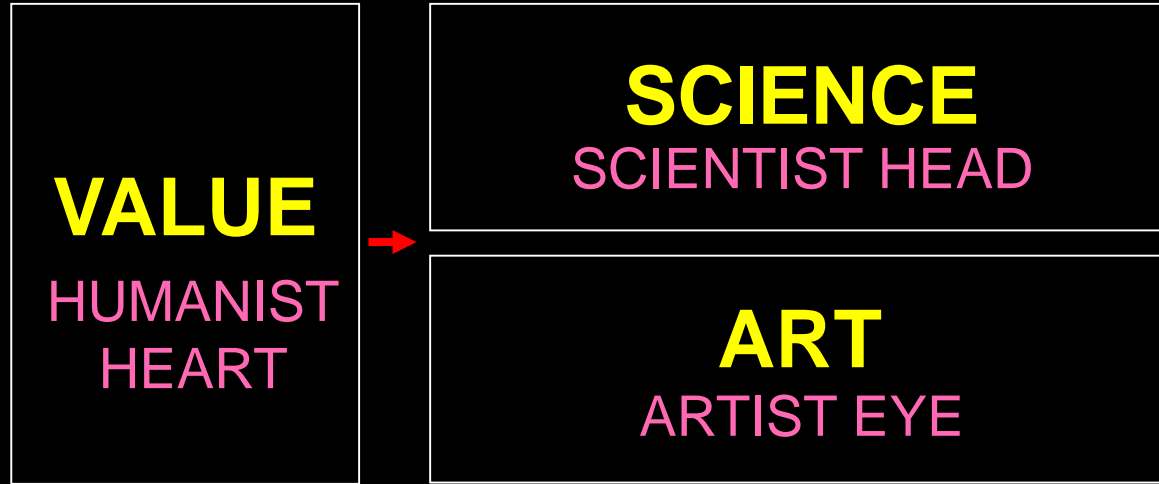
● 3. Intelligent Planning



● 4. Intelligent Implementation



○ Intelligent Approach

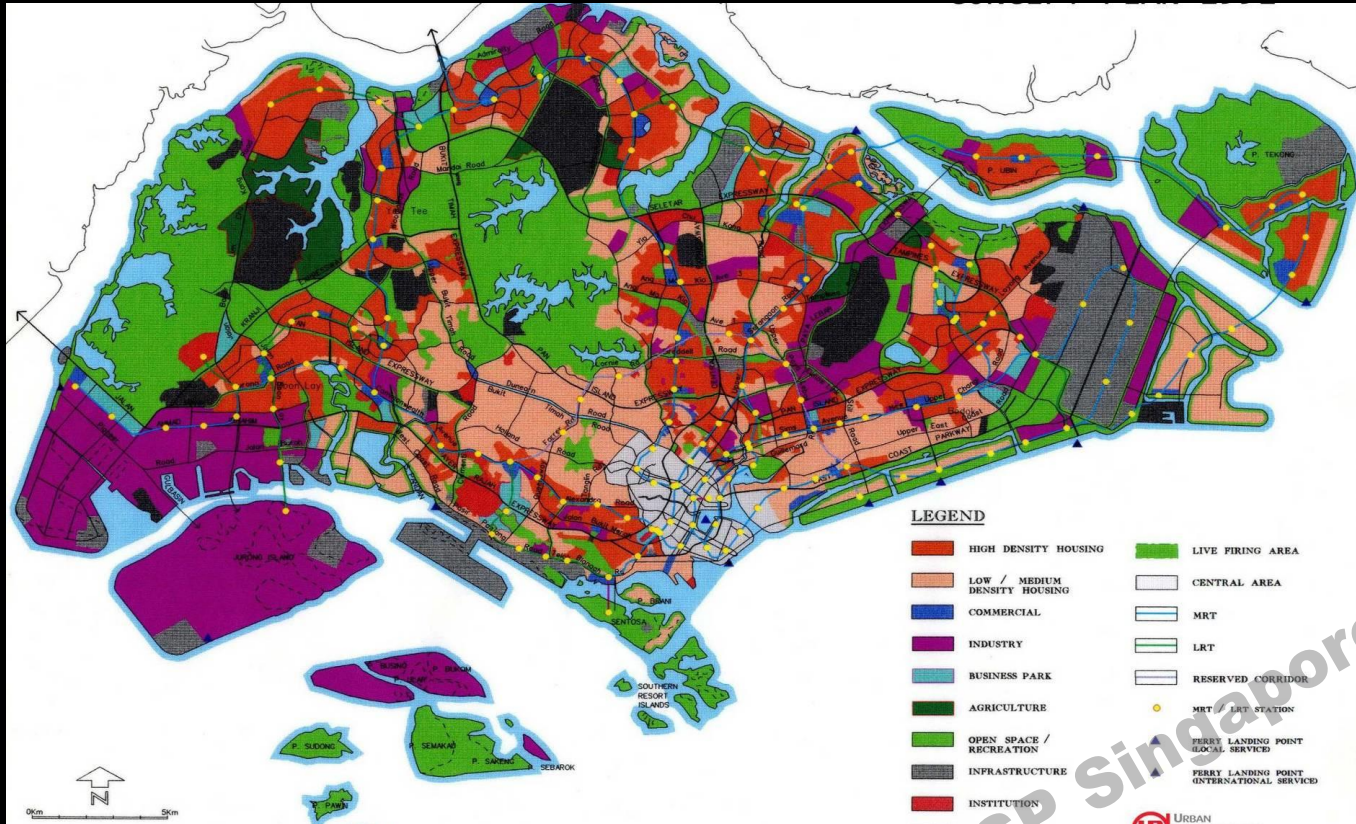


○ Intelligent Practice

- ◆ Far to Near
- ◆ Function to Image
- ◆ Conserve to Develop
- ◆ Big to Small
- ◆ Health to Beauty
- ◆ Cake to Icing

●● Singapore Master Plan 1991

3.2 - 5.5 Million, by 2091 Annually 25,000 Planned, 104,000 Actual

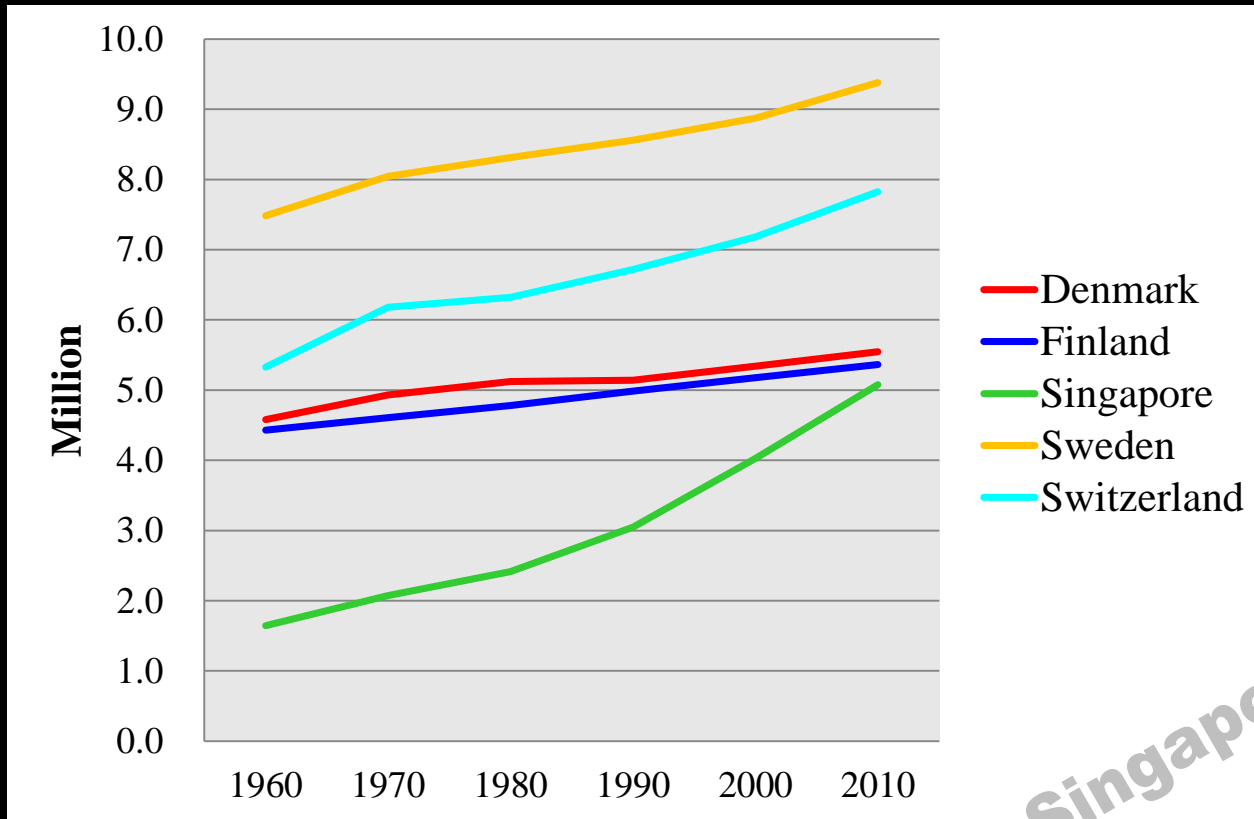


● Handsome Rewards

Year	Title	Rank	Source
2010	Quality of Living Ranking	1 st Asia 11 th World	Mercer Survey, June 2010
2010	Happiest Place in Asia	1 st Asia	The Straits Times, Jan 2010
2011	Greenest City in Asia	1 st Asia	Siemens Asian Green City Index Report, 2011
2011	Most Business Friendly Country	1 st World	World Bank Business Report, 2011

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● Population Growth is Unstoppable



Source: Singapore – Department of Statistics & World Bank
Other Countries – World Bank

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S i n g a p o r e 2 0 6 5

**The More Limited the Land
The More Long Term**

10 Million

Embrace All Above & More Principles

+

**Policy Support
Education, Economic**

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●● Between Us and a Better World

- Politics & Human Frailty
- Allure of Sexy Sound Bites
- Blind Faith in Technology
- Knowledge & Skills On Fundamentals
- Underrate Intelligent Design

●● My Wish for the Future

	Design	Technology	Ecology
Past	Good	Low	Good
Present	Poorer	Good	Poorer
Future	Better	Better	Good