

Smart Society: 3 Essential Transformations Powered by AI

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| What is Smart Society?



Smarter Planet

Instrumentation
Interconnectedness
Intelligence

| What is Smart Society?



Smarter City

Information
Communication
IoT

| What is Smart Society?



Smarter Society

AI
Big Data
Cloud
IoT

| What is Smart Society?



“ a **large group** of **people** who **live together** in
an **organized** way,
making decisions about how to do things
and **sharing the work** that needs to be done. ”

-- Cambridge Dictionary

| What is Smart Society?



10年前 vs 现在
10 years ago Now

| What is Smart Society?



Smarter Planet

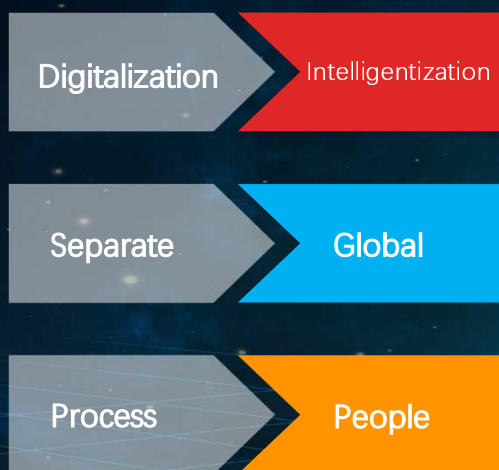


Smarter City



Smarter Society

| Smarter Society



a large group of **people** who **live together** in an **organized** way, **making decisions** about how to do things and **sharing the work** that needs to be done

Digitalization

Intelligentization

Digitalization to Intelligentization

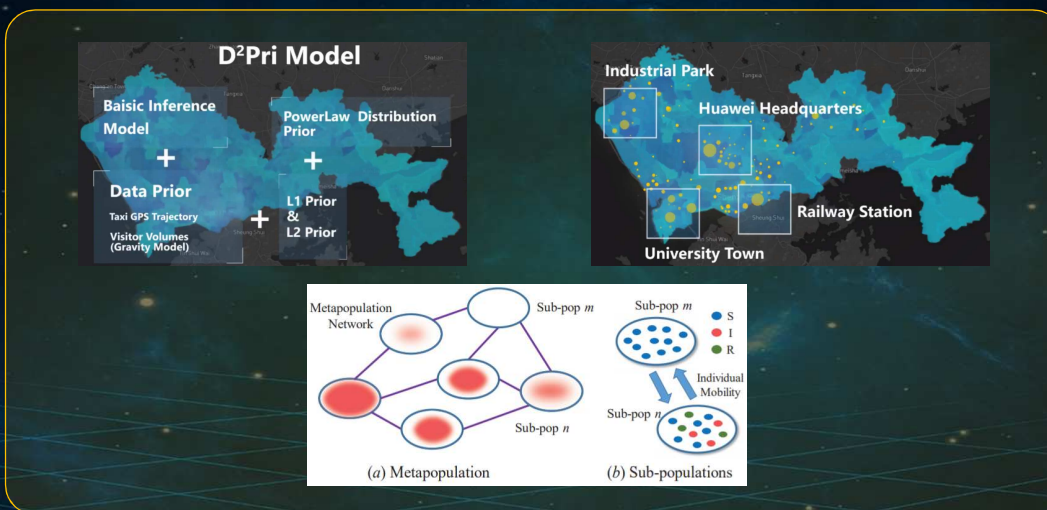


Fast Image Segmentation for VHR remote Sensing Data



Norman Kerle, Markus Gerke, Sébastien Lefèvre and Prasad S. Thenkabal, 2017

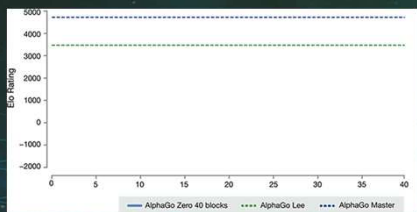
Intra-city Epidemic Control and Prevention



Jingyuan Wang, Xiaojian Wang, Junjie Wu, 2018

Separate

Global





United States



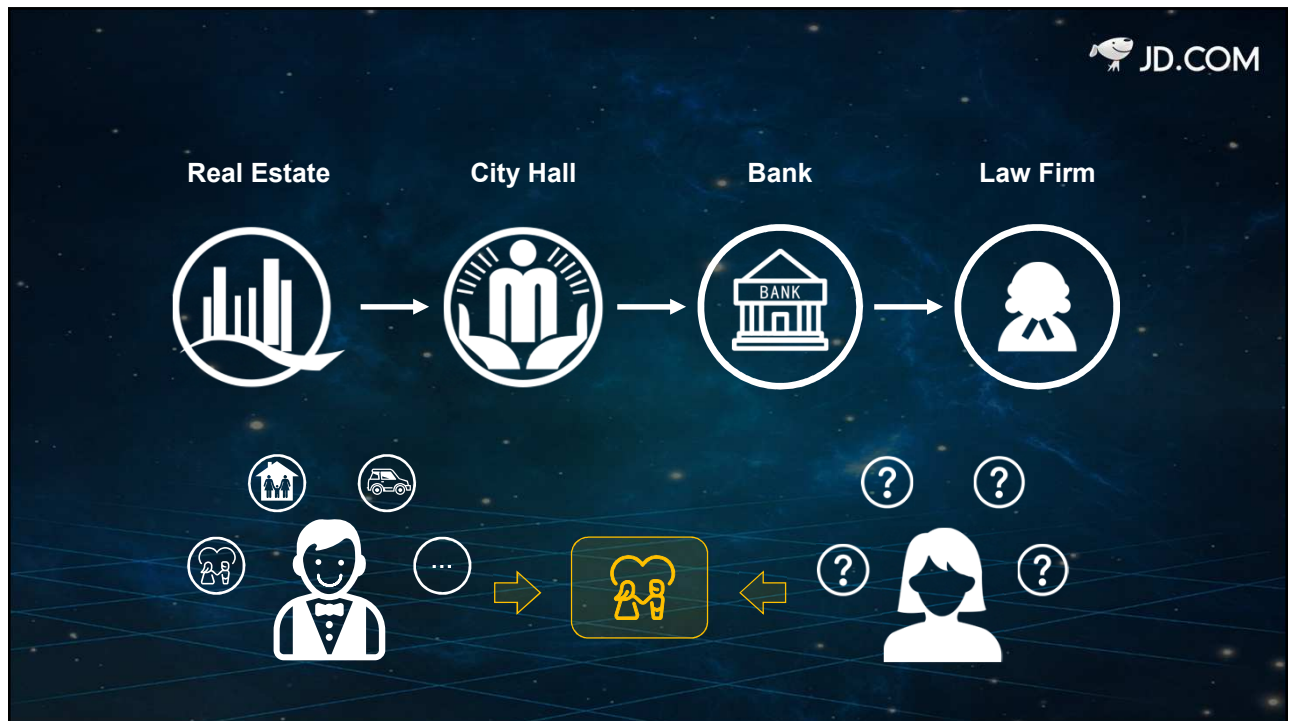
Singapore



China

Isolation to Integration





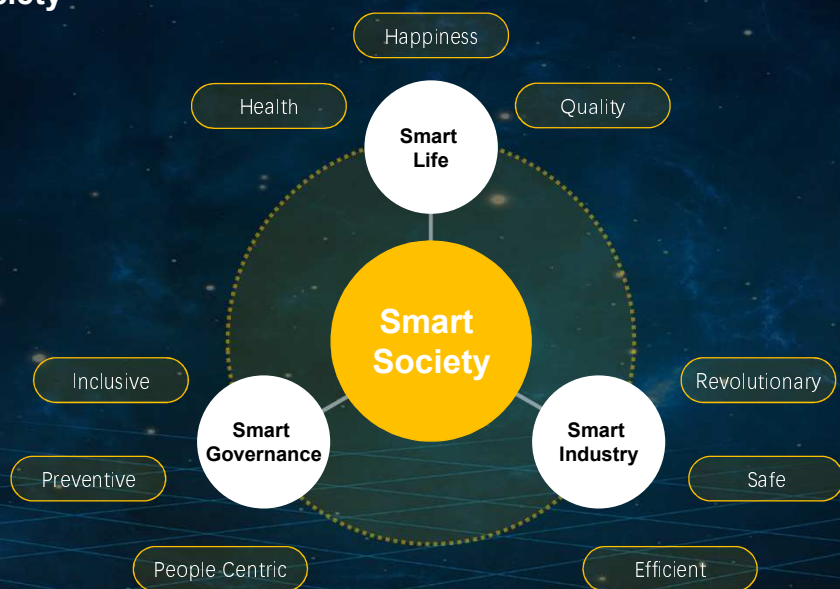




Text to Image

"This small bird has short beak and **dark stripe** down the top, the wings are a **mix of brown, white and black** and the upper breast is **white** and has **black stripes**."

Tao Xu, Pengchuan Zhang, Qiuyuan Huang, Han Zhang, Zhe Gan, Xiaolei Huang, Xiaodong He, 2017



Smart Society



Smart Society : Everybody Dance Now



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THANK YOU!

Caroline Chan, Shiry Ginosar, Tinghui Zhou,
Alexei A. Efros , 2018