



Supporting Community Cooperation In Urban Design

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Green Urban Design LLC



GUD

Historic

Today

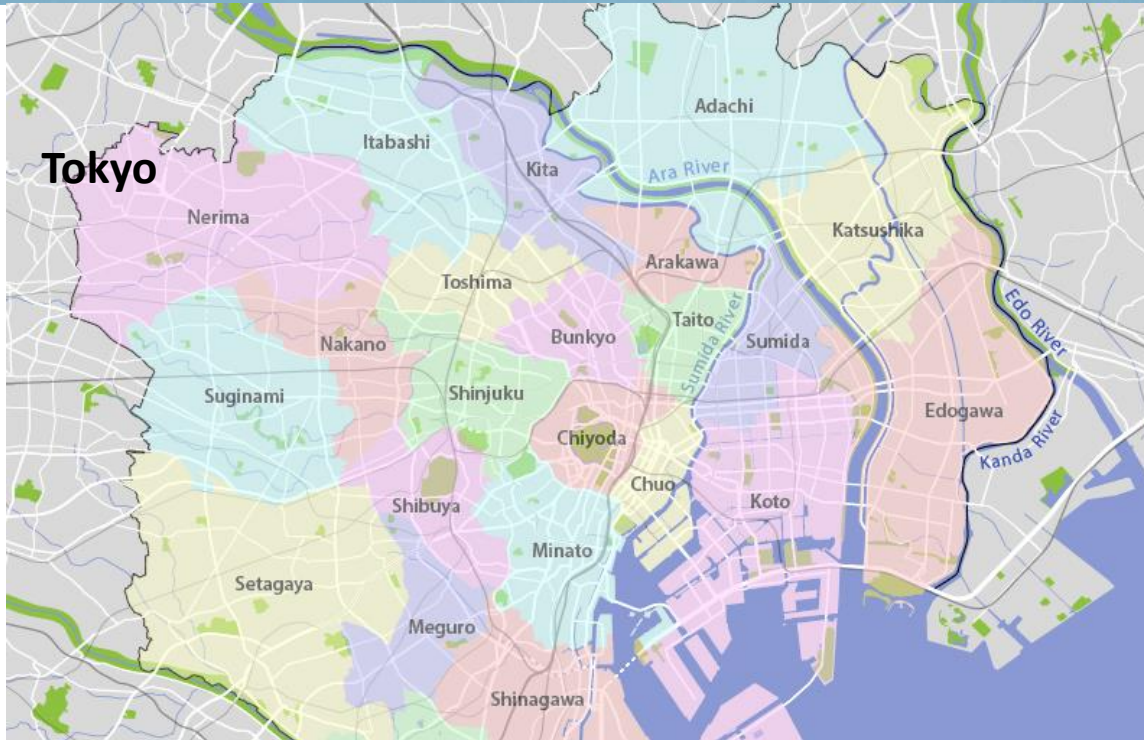
Improving Community Outcomes (society 5.0)

Urban Design, Elements of Cooperation

Align social and economic outcomes with natural systems to form community cohesion.



Cooperation at the Same Scale



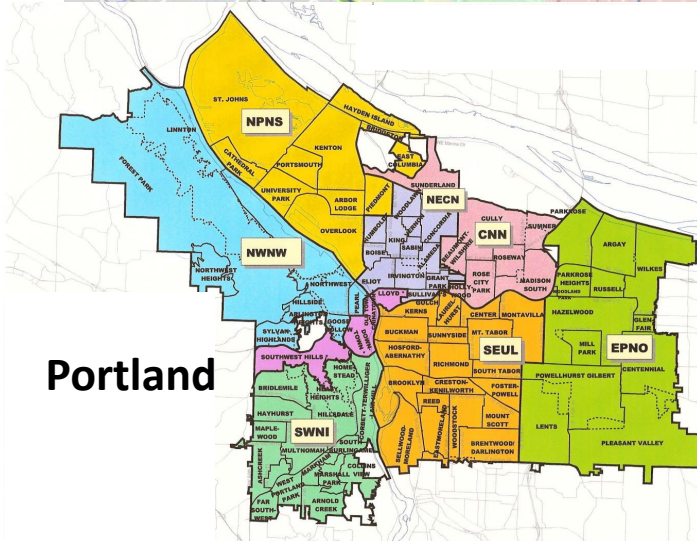
Neighborhood Scale

Opportunity

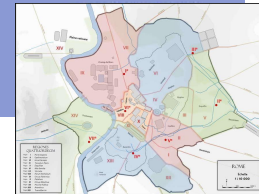
- Multiple Uses
- Resource Efficient
- Resilience
- Self Determined
- Outdoors

Pathway

- Making Healthy Neighborhoods
- Capacitated & Coordinated Activities
- Measuring Health Outcomes
- Leveraging Social Cohesion



Dadu (Beijing)



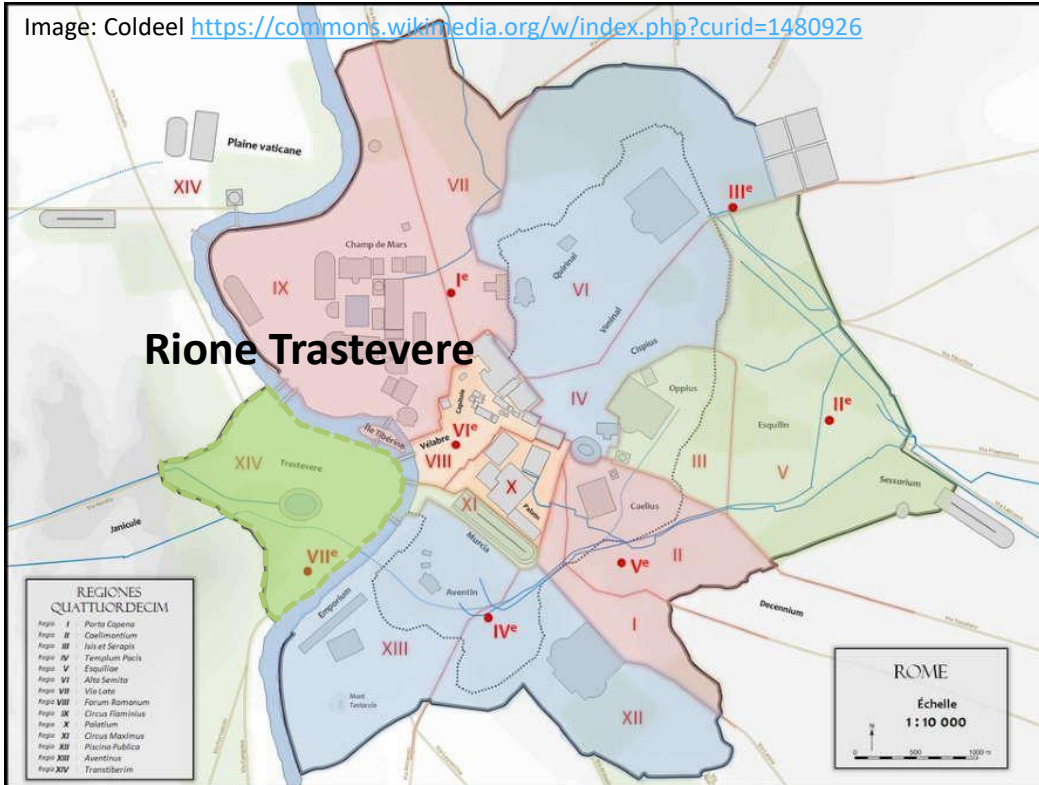
Rome

Cities Harness Community Cooperation

1. **Leverage Volunteerism** in work wealth and wisdom to optimize community assets and natural resources.
2. Induce **Cooperative and Concerted Actions** for local and regional goals.
3. **Create community capacitation** to adapt to unplanned and planned disasters.
4. **Transparent and accessible data** to diagnose, assess, and adjust coordinated community actions.



Quartieri and Rione



Opportunity:

Govern the Largest City,
27 BC

Pathway:

Coordinate Civic Roles
Social Harmony
**Commercial and
Government Coordination**

Ancient Rome,
14 Regions: Set by Augustus
1,000,000 inhabitants.

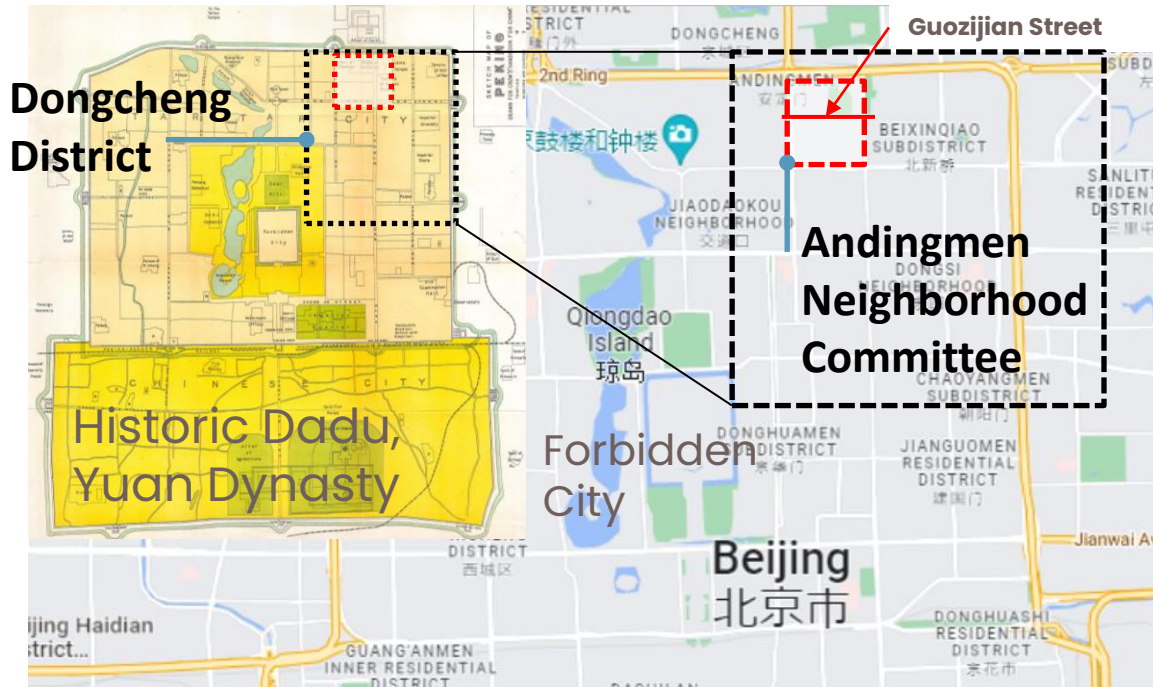
Later:

Rococo Period
14 Rione: Boundaries set
1742, by Pope Benedict XIV.



Piazza di S. Cosimato

District & Neighborhood Committees



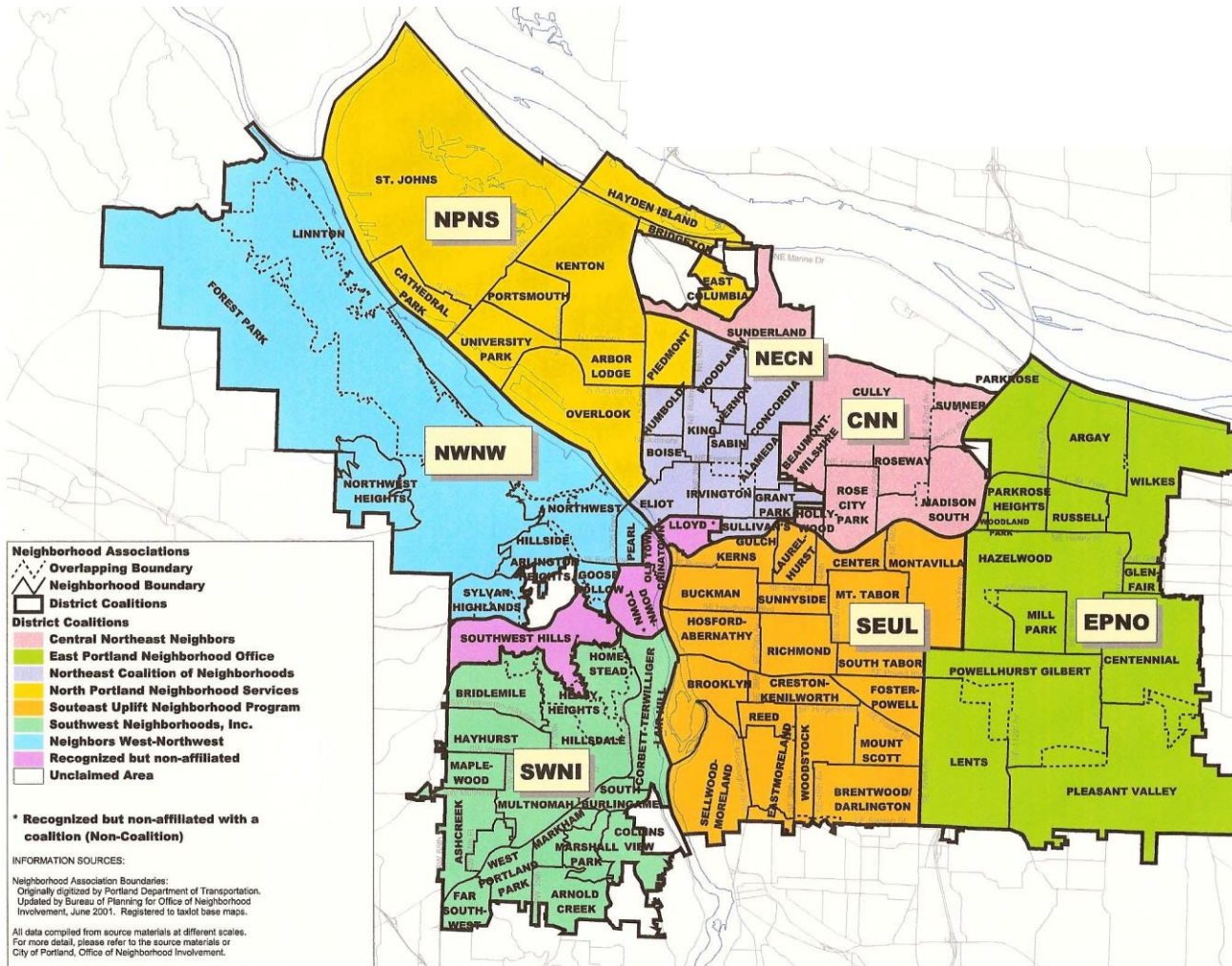
Opportunity:
Symbolic Center of Yuan Dynasty (Mongol Rule), 1279 AD

Pathway:
Cultural System
Feng Shui
Social Harmony
Resource Efficient
Governance

6 main districts
41 primary neighborhoods



Coalitions and Neighborhood Associations



City of Portland

Bureau, Office Of
Community and Civic
Life (1)

Coalition Offices (7)

Neighborhood
Associations (94)

650,000 People

Neighborhood Coalitions



Green Urban Design

North Portland Tool Library hosting BIPOC farmer plant sale at North Portland Neighborhood Services

Opportunity

- Leverage individual Work Wealth and Wisdom in neighborhoods to create community capacity for transformative action.

Pathway

- Communication between neighborhoods, coalitions, and City about urban design.
- Forming community cohesion to create resilience.

Governance Structures

GUD

NEIGHBORHOOD AND BUSINESS ORGANIZATIONS



A screenshot of the Portland Business Alliance website. The header includes the logo and the tagline "Commerce • Community • Prosperity". Navigation links include "EVENTS", "MEMBERSHIP", "ADVOCACY", "NEWS & MEDIA", "ABOUT", and "PROGRAMS". A section titled "WHAT'S HAPPENING" lists several events with dates and times, such as "Business After Hours Spot at the Skype Live Studio" on March 9, 2016, and "Urban Airship, Puppet Labs & Metal Toad talk future of tech, March 16." There are also buttons for "become a MEMBER!", "sign-up FOR EMAILS!", and "how do we GROW JOBS?".

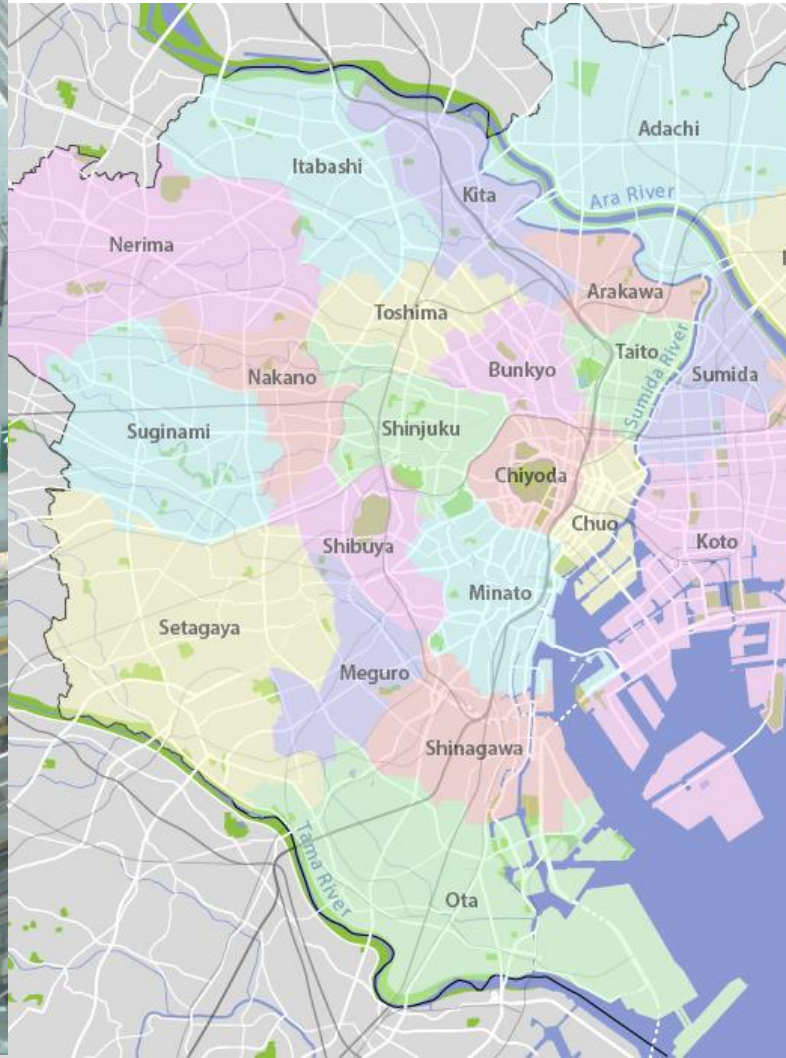


ZGF Architects



Green Urban Design

Wards and Neighborhood Associations



(1) Tokyo Metropolitan Government,
(23) wards,
(3,110) neighborhoods,
9 Million People.

TOKYO'S ENVIRONMENTAL POLICY

To realize “Carbon Half” by 2030, TMG has updated the roadmap set forth in the Zero Emission Tokyo Strategy formulated in December 2019, with 26 visions for social change, 36 approaches, and 94 efforts to accelerate and strengthen immediately.

■ Six sectors and fourteen policies to promote specific efforts

- 10) Cooperate with various actors in movements and reform of social systems
- (11) Strengthen cooperation with local municipalities
- (12) TMG's initiatives for its own sustainability
- (13) Strengthen cooperation with cities and non-states actors around the world
- (14) Promote sustainable finance.

Realization of a Zero Emission Tokyo

VI

Engagement and inclusion

(10) Cooperate with various actors in movements and reform of social systems (11) Strengthen cooperation with local municipalities (12) TMG's initiatives for its own sustainability (13) Strengthen cooperation with cities and non-states actors around the world (14) Promote sustainable finance

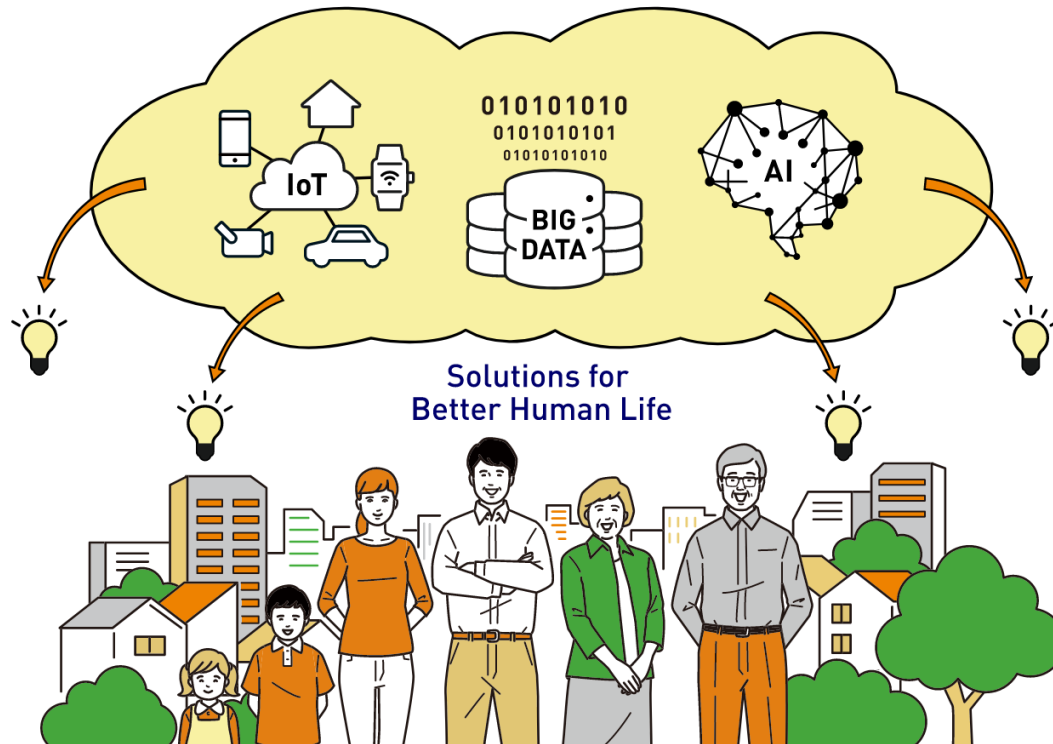
NEW Zero Emission TMG Action Plan

* Individual plans and strategies have been formulated for sectors requiring prioritized measures.

In FY 2020, three new plans were formulated:

Tokyo Food Loss and Waste Reduction Plan, Tokyo Climate Change Adaptation Plan, and Zero Emission TMG Action Plan.

Entering Society 5.0



Improving Community Outcomes (Society 5.0)

Integrating cyberspace and physical space to address national and local priorities.

Opportunity

- Leverage individual Work Wealth and Wisdom in neighborhoods to create community capacity for transformative action.

Pathway

- Communication between Tokyo Metropolitan Government, Wards, and Neighborhood Associations about urban design.
- Tracking community cohesion to be sustainable and resilient to unplanned disasters.

Society 5.0 Test Bed

KASHIWA-NO-HA INNOVATION CAMPUS

ZGF



(2.8 Jobs/Resident)

SIZE: 365,000 SM

USES: 25% Residential

13% Research

50% Commercial & Retail

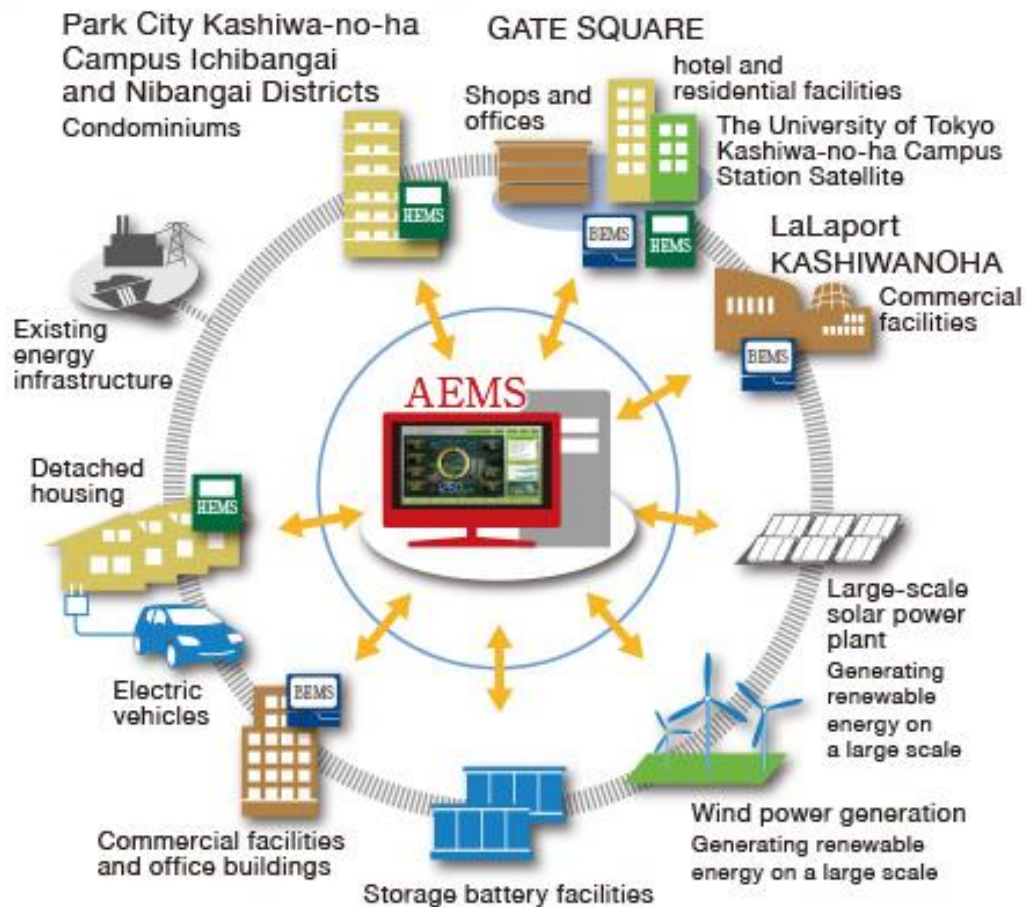
12% Community Services

Engaging the Community

KASHIWA-NO-HA INNOVATION CAMPUS

ZGF

AEMS (Area Energy Management System)



AEMS: Area Energy Management System
BEMS: Building energy management system
HEMS: Home Energy Management System

----- : Energy flow
 <--> : energy information

Kashiwa-no-ha Smart Center

- City environmental advice
- Electricity consumption advice
- Electricity consumption forecasts
- Weather advisory

Information dissemination

Devices owned: Laptops, PCs, smartphones

Visualization of device displays: Dedicated tablets

Visualization of consumer electronics displays

TV	Refrigerators	cookers	air conditioners	lighting	IH cookers
washing machines	bathroom dryers	washlet toilet seats			



箱の葉 AEMS

AREA: さらばーと柏の葉 12:00 AM 天気: ☁️ 気温: 22.0°C 湿度: 18.0%

エネルギーバランスモニター

放電量: 8850 kwh	供給	需要	充電量: 8850 kwh
その他: 8810 kwh			消費量: 1040 kwh
太陽光: 200 kwh			送電量: 170 kwh
受電量: 1000 kwh			

1260 kwh

MENU 01 MENU 02 MENU 03 MENU 04 MENU 05

ECO NEWS TODAY

最新の設備更新案内

Hub for Collaboration with Public-Private-Academia Partnership



Urban Design Center Kashiwa-no-ha



Urban Design Center Kashiwa-no-ha

composition groups

Public

- 公 Kashiwa city
- 公 The Kashiwa Chamber of Commerce and Industry
- 公 Regional Council of Tanaka area

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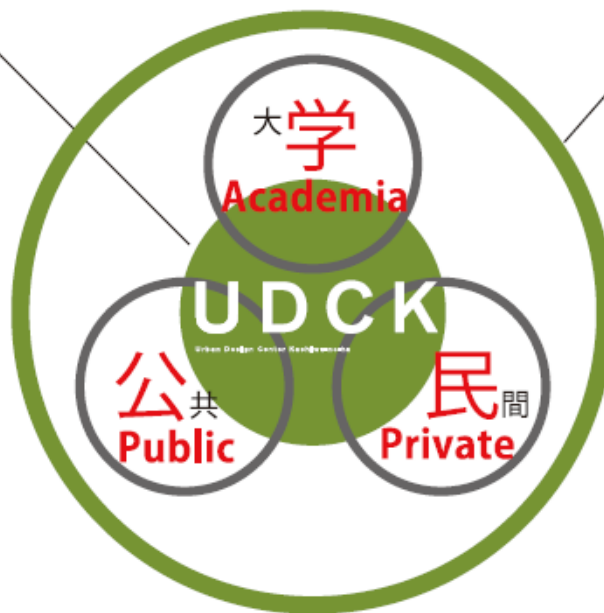
Private

- 民 Mitsui Fudosan Co.,Ltd.
- 民 TSUKUBA EXPRESS(Metropolitan Intercity Railway Company)

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Academia

- 学 The University of Tokyo
- 学 Chiba University



cooperative groups

- Kashiwa City Development & Promoting Foundation** (An affiliated organization of Kashiwa City)
- Chiba prefecture**
- Wacoal Art Center/SPIRAL**(Art Direction)
- Urban Design Institute Co.,Ltd.**(Promotion of all initiatives, such as research and analysis area)
- UG Toshi-Kenchiku Co.,Ltd.** (Urban design strategy, and support for Business Creation)
- NPO Support Center Chiba** (Civic action support)
- Japan Life Design Systems**(Planning and Management Program)
- PRAP Japan,Inc.** (PR)
- YRP Ubiquitous Networking Laboratory**(Ubiquitous, regional ICT)
- FUJISAKI OFFICE CO.,LTD.** (Promotion of Environment and Health)

“CONNECTED” COMMUNITY ENGAGEMENT & “PLACE” STEWARDSHIP



Smart District: Area Management



LEED ND Plan Certification

1. Continuously tracking and engaging with the community to make a better place.
2. Adapting societal change and community interests.
3. Iterating with community advice.



Nikken Sekkei



Nikken Sekkei

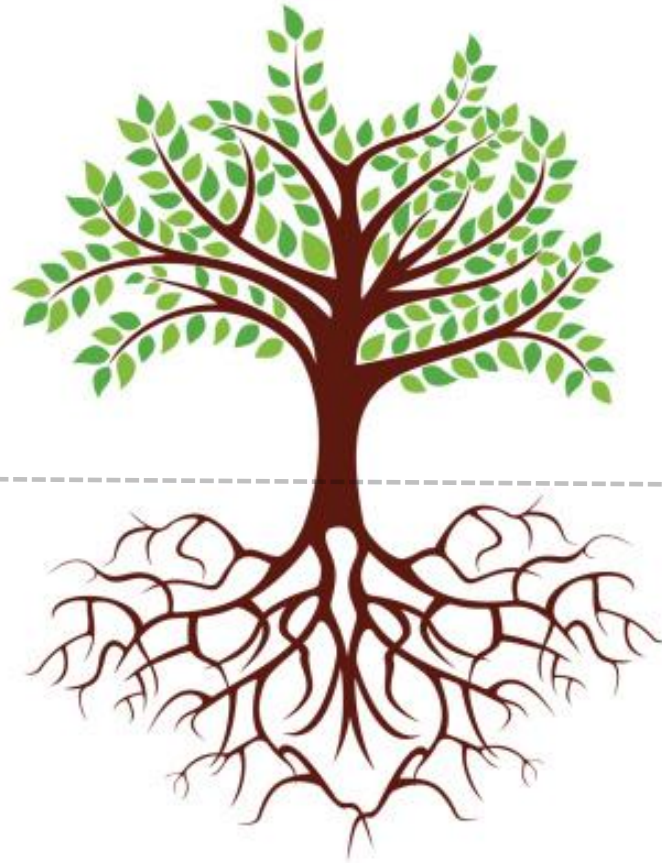


Nikken Sekkei

Elements of Regenerative Communities

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MANAGING THE UNSEEN FORCES OF COOPERATION



LIFESTYLE / CULTURE

COMMUNITY SERVICES

Visible

TECHNOLOGY

INFRASTRUCTURE

REAL ESTATE

Invisible

Goals

Configurations

Governance

Connecting the Hidden and the Visible

GUD

Social Mobility

Long Term Operational Resource Management

Visible & Tangible Improvement

Social Cohesion

Health Outcomes

City of San Francisco, ZGF Architects, Regensia



BICYCLING
自行车



OPEN AIR
STREET CAFES



SAFE STREETS
FOR CHILDREN



WALKABILITY
易于步行



STRONG
RETAIL BASE



STORMWATER
MANAGEMENT



PUBLIC TRANSIT
公交系统

Visible Elements Of Governance

GUD



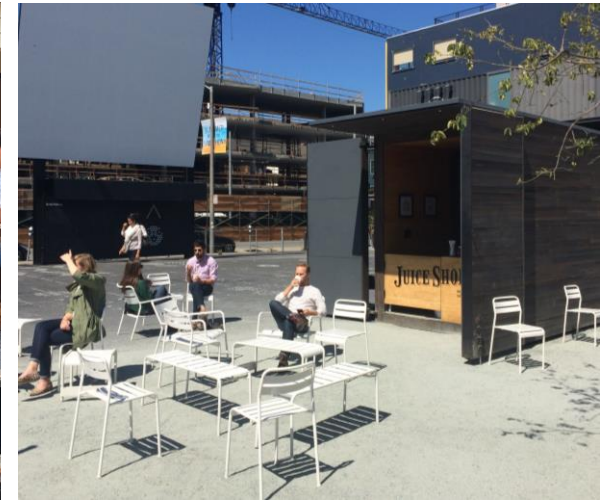
Streets



Sidewalks



Nodes



Kiosks



Public
Realm

Tools to coordinate interests and investments

Non-Profit Associations Grants

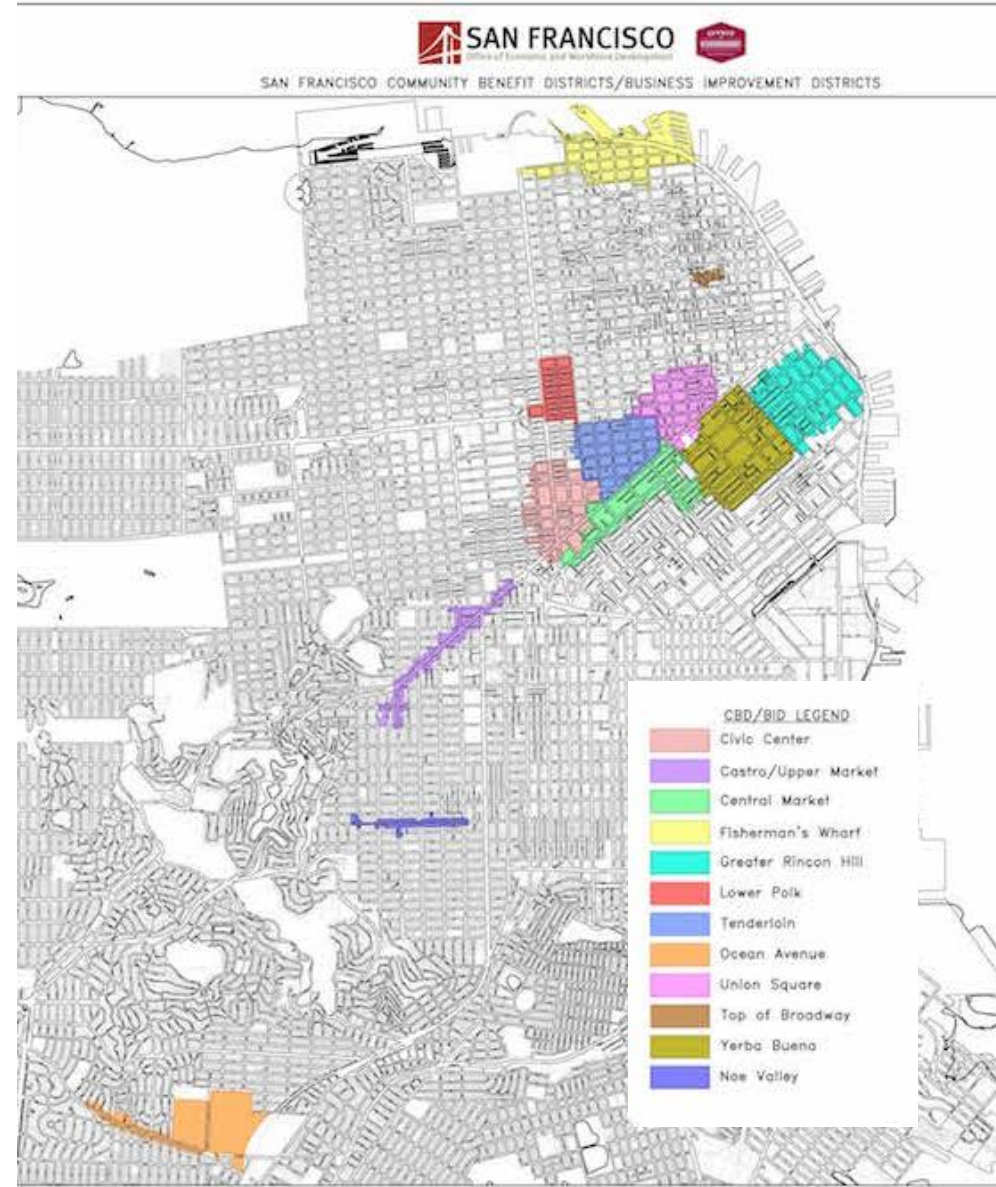
- Home Owner Associations
- Business Owner Associations
- Foundations
- Community Development Commissions

Assessments

- Community Benefit Districts (CBDs)
- Business Improvement Districts (BIDs)
 - Property Owner Based
 - Business Owner Based
- Green/Joint Benefits Districts

District Financing

- Infrastructure Finance Districts (IFDs)
- Community Facilities Districts (CFDs)
- Enhanced Infrastructure Financing Districts (EFIDs)



Health and Impact Assessments

Independent Assessment of Highway Covers, Oregon



(1 Job / Resident)
100,000 SM
USES:
50% Residential
40% Commercial
10% Cultural

Restorative Justice

Supporting outcomes in health, wealth, and social cohesion.

Neighborhood Restoration

Linked outdoor spaces activities to interior building programs.
Green Infrastructure with best management practices for regenerative systems sustainability

Community

Mixed use district with potential for intergenerational wealth creation.

Governance

Governing entity to restore and maintain facilities and programs for Black Historic AlbiNA Community.

Support Cooperation in Neighborhoods

- Making Healthy Neighborhoods
 - Induce Cooperative and Concerted Actions
 - Leverage Volunteerism in work wealth and wisdom
 - Create community capacitation
 - Transparent and accessible data to diagnose, assess, and adjust
- Measuring Health Outcomes
- Leveraging Social Cohesion



Thank You

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GUD



For your Cooperation

City of Beaverton, ZGF Architects