The Role of Local Government in Bottom-Up Climate Change Action

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What is bottom-up governance?
Bottom-up v. Top-down Governance
Approaches to Bottom-up Governance
UN-HABITAT
“The rapid and often uncontrolled growth of cities”
“...to assess the countries’ progress in achieving sustainable development and tacking urbanization within their cities...”
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“...power devolved to the local municipalities and authorities because they are better quipped to respond to rapid changes.”
“...international actors increasingly are recognizing the urban and local government dimensions of climate change.”
Make cities and human settlements inclusive, safe, resilient and sustainable
“...Parties should, when taking action to address climate change, respect, promote, and consider...local communities...”
“We propose that the COP 21 outcomes provide a mechanism for non-state actors to signal their enforcement of the goals of the 2015 Paris Agreement and formalize their own climate change contributions.”
ICLEI
Local Governments for Sustainability
C40 CITIES
NIMBY

KISS MY ASS YOU COMMIE PLANNING! WE HAVE THE RIGHT PERMITS!
I AM NOT CLOSING OR MOVING!
YOU COMMIE BASTARDS!
NEIGHBORS CAN MOVE.

I'M SO ANGRY!
I MADE A SIGN.
Land Use Collaborative
Transit Oriented Development
INTERNATIONAL EXAMPLES

THE “FINGER PLAN” & UPDATED MUNICIPAL PLAN OF COPENHAGEN
Copenhagen, Denmark

REDE INTEGRADE DE TRANSPORTE (RIT) – CURIBITA MASTER PLAN
Curitiba, Brazil

GUATEMALA 2020
Guatemala City, Guatemala

TRANSIT-ORIENTED DEVELOPMENT ZONE
Delhi, India

TIME – A 265-UNIT, MIXED USE PROJECT NEAR SEABUS PUBLIC TRANSIT
North Vancouver, Canada

RAIL PLUS PROPERTY (R+P) DEVELOPMENT
Shenzhen, China

THE TRANSIT ORIENTED DEVELOPMENT FRAMEWORK
The City of Calgary, Canada
Figure 2.4. Copenhagen regional plan (finger plan)

Much of the urban form of Copenhagen is owed to its famous 1947 regional fingers plan, which required major new growth areas to be sited along the transit lines, with large wedges of greenspace preserved between the growth fingers.

Source: Greater Copenhagen Council.
U.S. EXAMPLES

Town of Dover Transit Oriented Development Plan
Dover, New Jersey

Station Area Transit Oriented Development Plan (Draft)
Linden, New Jersey

Morristown Code of Ordinances for Transit Village Core Zone
Morristown, New Jersey

City of Rahway Mixed-Use Zone
Rahway, New Jersey

Transit Oriented Development Zoning District Regulation
Meriden, Connecticut

Transit-Oriented Community Development Fund
Seattle, Washington

Livable Centers Initiative
Atlanta, Georgia

Metro (MPO) – TOD Implementation
Portland, Oregon
Green Buildings
INTERNATIONAL EXAMPLES

MUNICIPAL BUILDING CODE
   Carugate, Italy

CITY OF HANNOVER ENERGY PLAN
   Hannover, Germany

CLIMATE ACTION PLAN
   Münster, Germany

Green roof tax incentive
   Mexico City, Mexico
U.S. EXAMPLES

GREEN BUILDING AND GREEN POINTS PROGRAM
City of Boulder, CO

BUILDINGS REGULATION ORDINANCE
Doraville, GA

CLIMATE ACTION PLAN (CHAPTER 3, ENERGY EFFICIENCY AND REDUCING ENERGY USE), FOUNDATION FOR ENERGY EFFICIENCY PROGRAM PLAN
Fremont, CA

BUILDING SERVICES FEE SCHEDULE – GREEN BUILDING INCENTIVES
Catawba County, NC
Vegetated Carbon Sequestration
INTERNATIONAL EXAMPLES

THE BAIX LLLOBREGAT AGRICULTURAL PARK
   Barcelona, Spain
WATER MASTER PLAN & RAINWATER CAPTURE
   Singapore
THE HILLS FACE ZONE (HFZ)
   Adelaide, Australia
MANDATORY GREEN ROOFS ON FLAT SURFACES
   Zürich, Switzerland
BEIJING-CHENGDE WATER RESOURCE PROTECTION PROGRAM
   Beijing, China
GREEN INFRASTRUCTURE INCENTIVES
   Sao Paulo, Brazil
Switzerland
U.S. EXAMPLES

Rain to Recreation – Via Vision 2020, Lenexa, KA’s Comp Plan
Lenexa, Kansas

Green Infrastructure Provisions in Municipal Code
Emeryville, California

Open Space Zoning Provision
West Manchester Township, Pennsylvania

Stormwater Management Ordinance
Chicago, Illinois

Alachua County Forever & Wild Spaces Public Places Referendum
Alachua County, Florida

Green Roofs Program
Chicago, Illinois
RENEWABLE ENERGY
INTERNATIONAL EXAMPLES

Solar hot water mandates
- Rizhao, China
- Barcelona, Spain
- Cape Town, South Africa

Municipality solar thermal ordinance
- Barcelona, Spain

Solar hot water mandate
- Cape Town, South Africa

Bylaw for installation of solar assisted water heating system
- Rajkot, India

Standards for sustainable building code
- Edinburgh, Scotland

Solar master plan
- Berlin, Germany

Advice on renewable energy development and use policy framework
- Kunming, China

Zero net emissions by 2020 strategy
- Melbourne, Australia

Tax-based solar incentive
- Municipality of Thane, India

Tax credits for renewable energy investments
- Navarra, Spain

Low carbon buildings program
- Oxford, UK

Green electricity and green heat certificates
- Tokyo, Japan
U.S. EXAMPLES

Western PA Rooftop Solar Challenge Final Solar Zoning Ordinance (dealing with system type)
Western Pennsylvania

Solar Zoning Ordinance (dealing with energy usage)
Casco Township, MI

Local Energy Plan
Portland, Oregon

GoSolar
San Francisco, CA
Building the Human Infrastructure for Collaborative Bottom Up Governance
NIMBY

KISS MY ASS YOU COMMIES!
WE HAVE TO TELL THE TRUTH!
I AM NOT A COMMIE!

FEED THE HUNGRY
EAT RICH

GENTRIFICATION
DISPLACES LOW INCOME RESIDENTS

I'M SO ANGRY
I MADE A SIGN

HERE COMES HIGH SPEED RAIL
There goes the neighborhood.
www.highspeedboondoggle.com
Join us on Facebook.
Imagine...
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