



Planning for Sustainable Economic Development Across the Americas

ECPA International Conference
Curitiba, Brazil June 7-8, 2011

Sustainable Economic Development: An Overview

Dr. Marc A. Weiss, Chairman and CEO
GLOBAL URBAN DEVELOPMENT



Global Urban Development



"Getting Richer by Becoming Greener"



Global Urban Development



Sustainable Economic Development Strategies generate substantial economic and employment growth and sustainable business and community development by demonstrating that innovation, efficiency, and conservation in the use and reuse of all natural and human resources is the best way to increase jobs, incomes, productivity, and competitiveness.

In addition, Sustainable Economic Development Strategies are the most cost-effective method of promoting renewable energy and clean technologies, protecting the environment, and preventing harmful impacts from climate change.



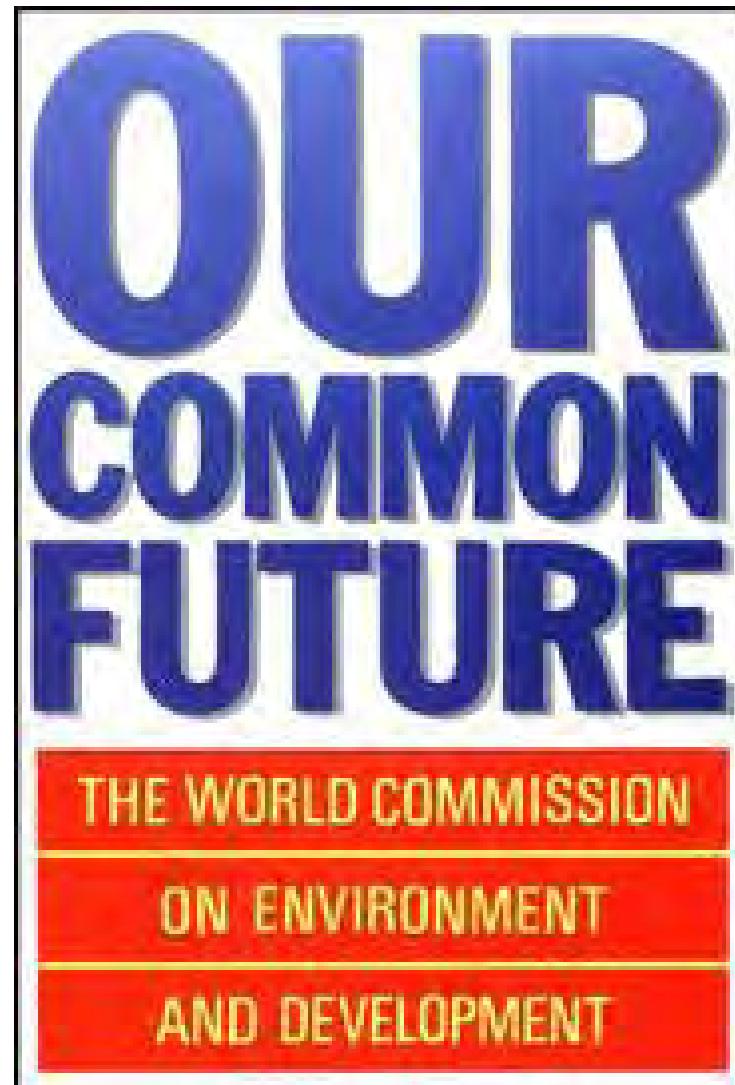


The Four Greens

- **Green Savings** — cutting costs for businesses, families, communities, and governments by efficiently using renewable resources and by reducing and reusing waste
- **Green Opportunities** — growing jobs and incomes through business development and expanding markets for resource efficiency, sustainability, and clean technologies
- **Green Talent** — investing in fundamental assets such as education, research, technological innovation, and modern entrepreneurial and workforce skills, because people are now the world's most vital green economic resource
- **Green Places** — establishing sustainable transportation and infrastructure, and protecting and enhancing the natural and built environment, to create more attractive, livable, healthy, vibrant, prosperous, productive, and resource-efficient areas and communities.

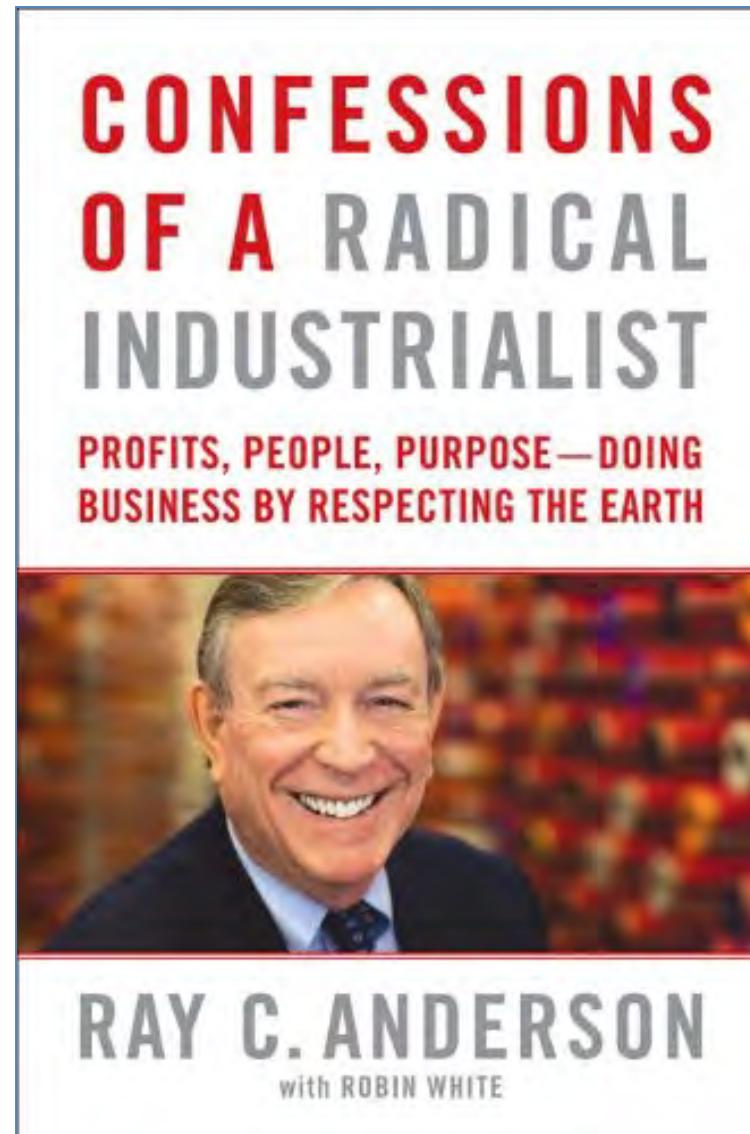


Sustainable Development



Global Urban Development

Sustainability in Business



Global Urban Development

Sustainability: From Companies to Communities

- Sustainable Economic Development Strategies adapt sustainability concepts from leading businesses such as:

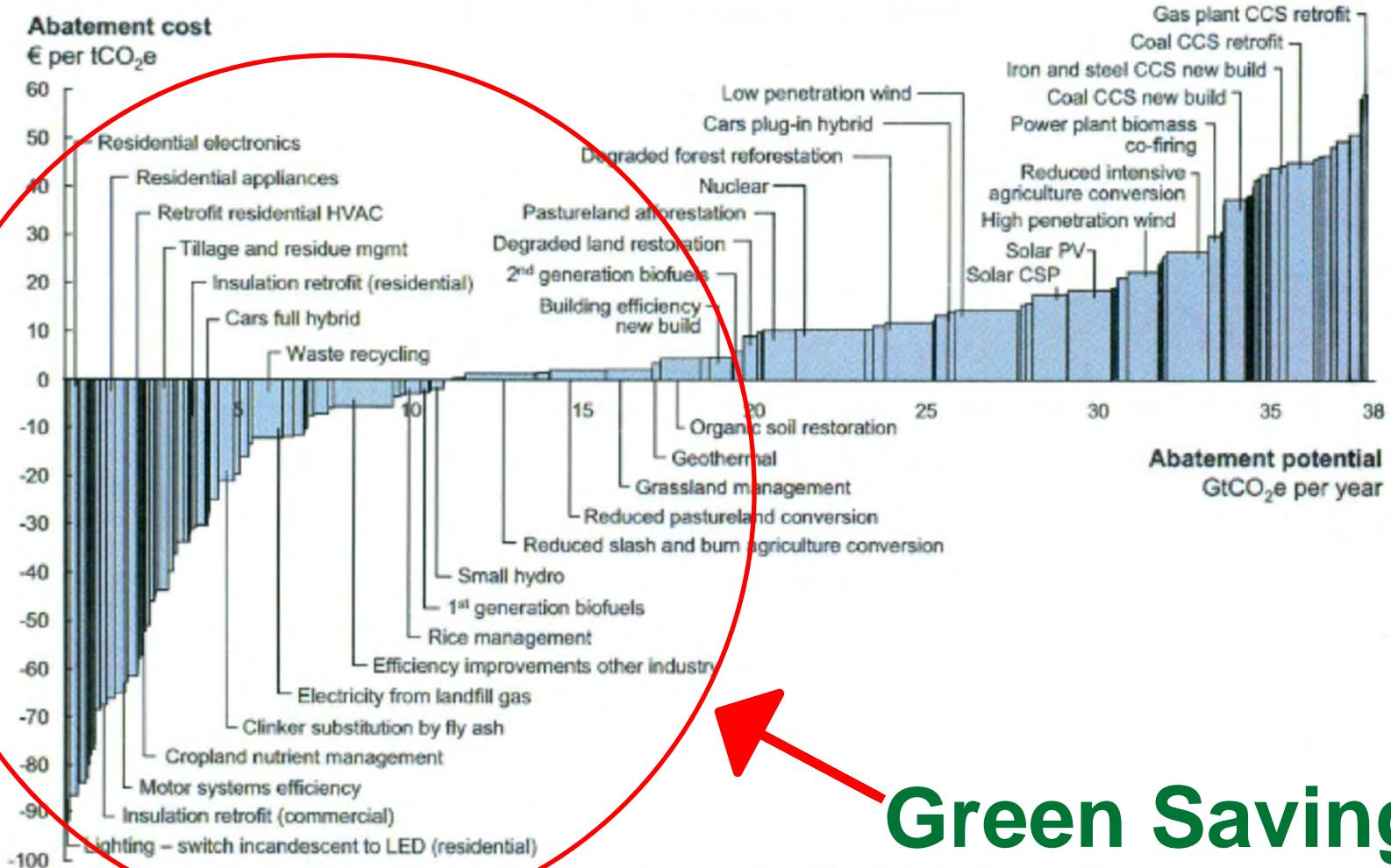
GE, IBM, Toyota, Interface, IKEA, DuPont, Disney, Wal-Mart, Google, Nike, Stonyfield Farm, Seventh Generation, Siemens, Cisco, Philips, Applied Materials, and Johnson Controls
- Sustainable Economic Development Strategies apply these sustainability concepts to sub-national economies, including:

States, Provinces, Regions, Districts, Counties, Cities, Towns, Villages, and Neighborhoods



Exhibit 1

Global GHG abatement cost curve beyond business-as-usual – 2030



Note: The curve presents an estimate of the maximum potential of all technical GHG abatement measures below €60 per tCO₂e if each lever was pursued aggressively. It is not a forecast of what role different abatement measures and technologies will play.

Source: Global GHG Abatement Cost Curve v2.0 (Pathways to a Low-Carbon Economy, McKinsey & Company, 2009)



Global Urban Development

\$2 Trillion Global Business Investment in Green Opportunities since 2007



GREEN TRANSITION SCOREBOARD®

More than \$2 trillion has already been invested by the private sector in sustainable companies and technologies globally since 2007.

www.greentransitionscoreboard.com



Global Urban Development



Examples of Sustainable Economic Development



**URBAN RENEWAL
MUNICIPAL REVITALIZATION**
The Case of Curitiba, Brazil



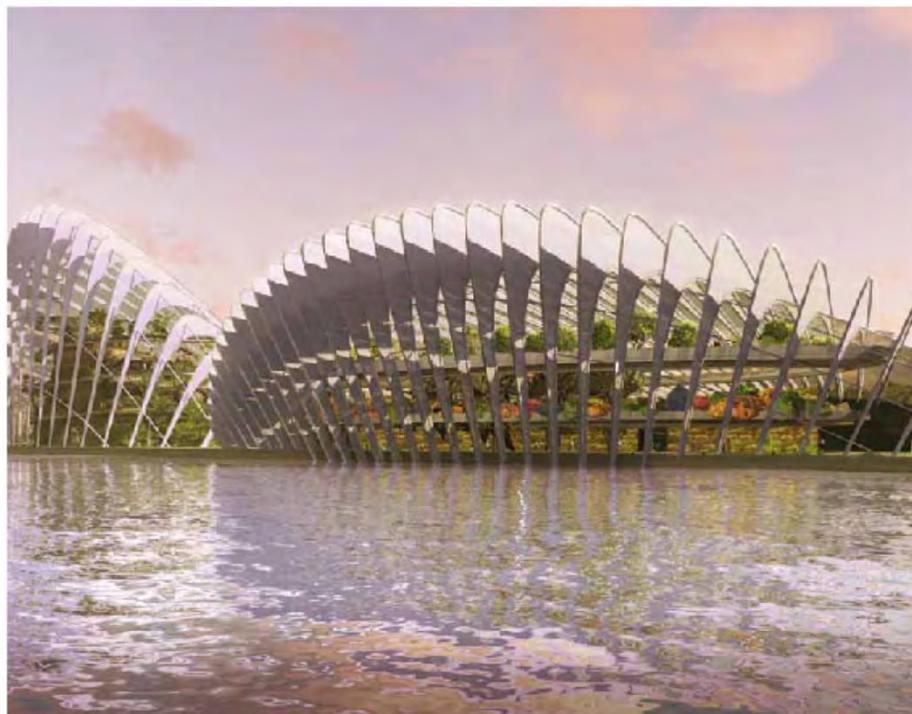
Hugh Schwartz



Global Urban Development

Singapore: a model for sustainable development?

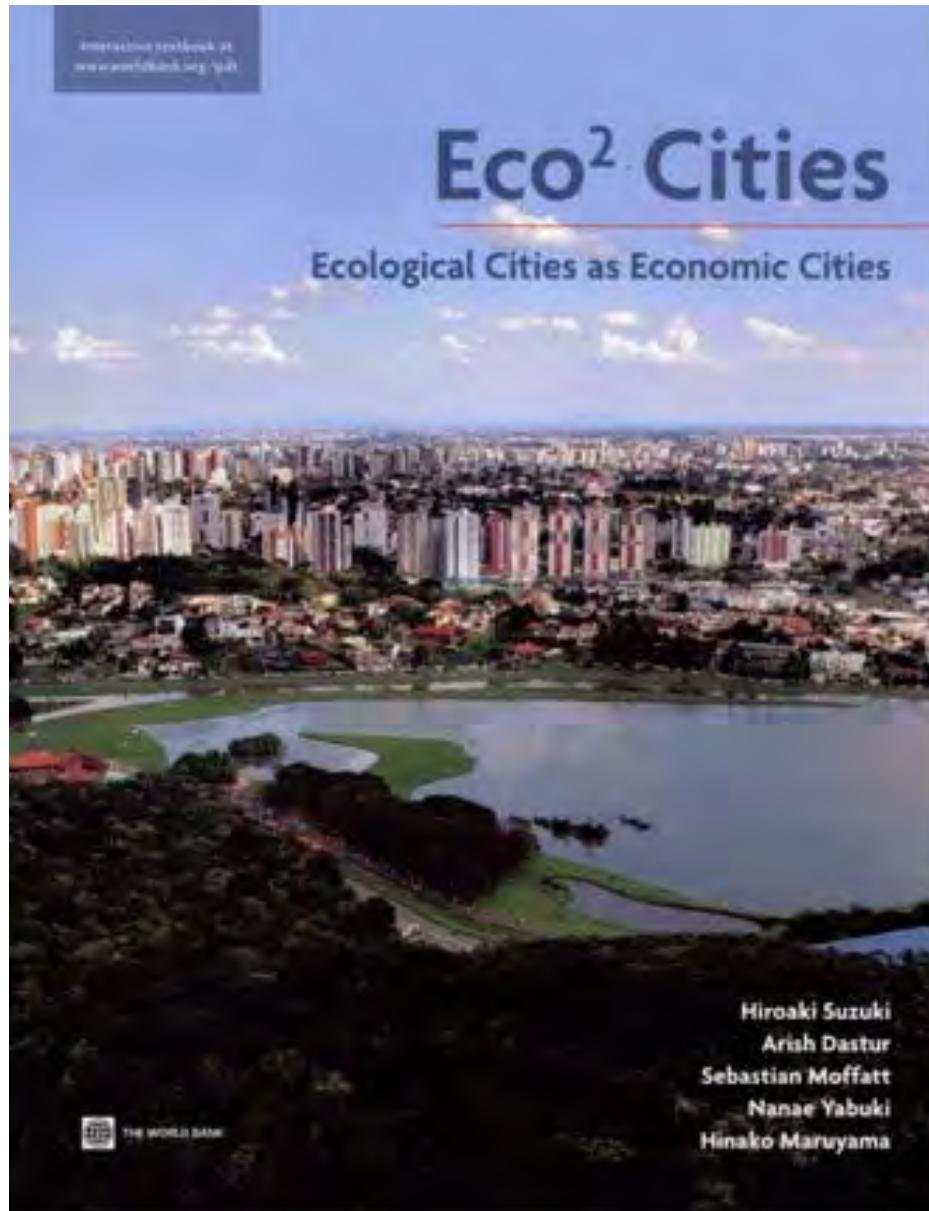
As a pioneer in sustainable development, Singapore has been approached by the World Bank to provide technical assistance on urban planning in neighbouring countries. **Vicente Carbona** analyses Singapore's successful development and reveals the latest initiatives in the city-state.



Artist's impression of the Conservatory Complex

Photo: © National Parks Board.

World Bank

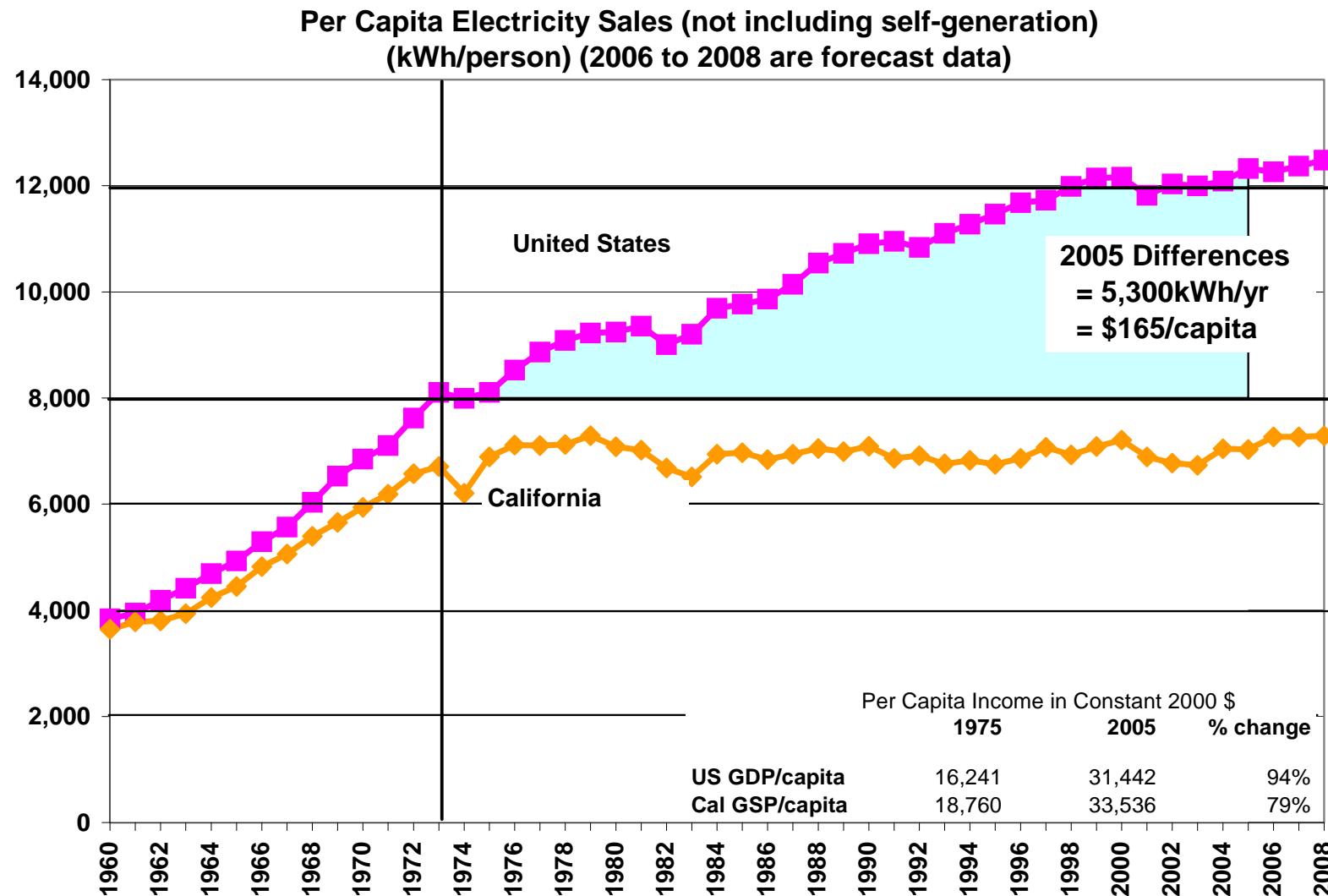


Global Urban Development



Global Urban Development

California's \$56 Billion Green Savings



Source: *Energy Efficiency: The first and most profitable way to delay Climate Change*
UCLA Institute of the Environment Oppenheim Lecture February 25, 2008
Arthur H. Rosenfeld, Commissioner California Energy Commission



Economic Development Strategy for Berkeley, California

June 1981

ECONOMIC DEVELOPMENT:
AN IMPLEMENTATION STRATEGY FOR THE CITY OF BERKELEY*

Marc Allan Weiss
Ann Roell Markusen**

Working Paper No. 354
June 1981

Institute of Urban and Regional Development
University of California, Berkeley

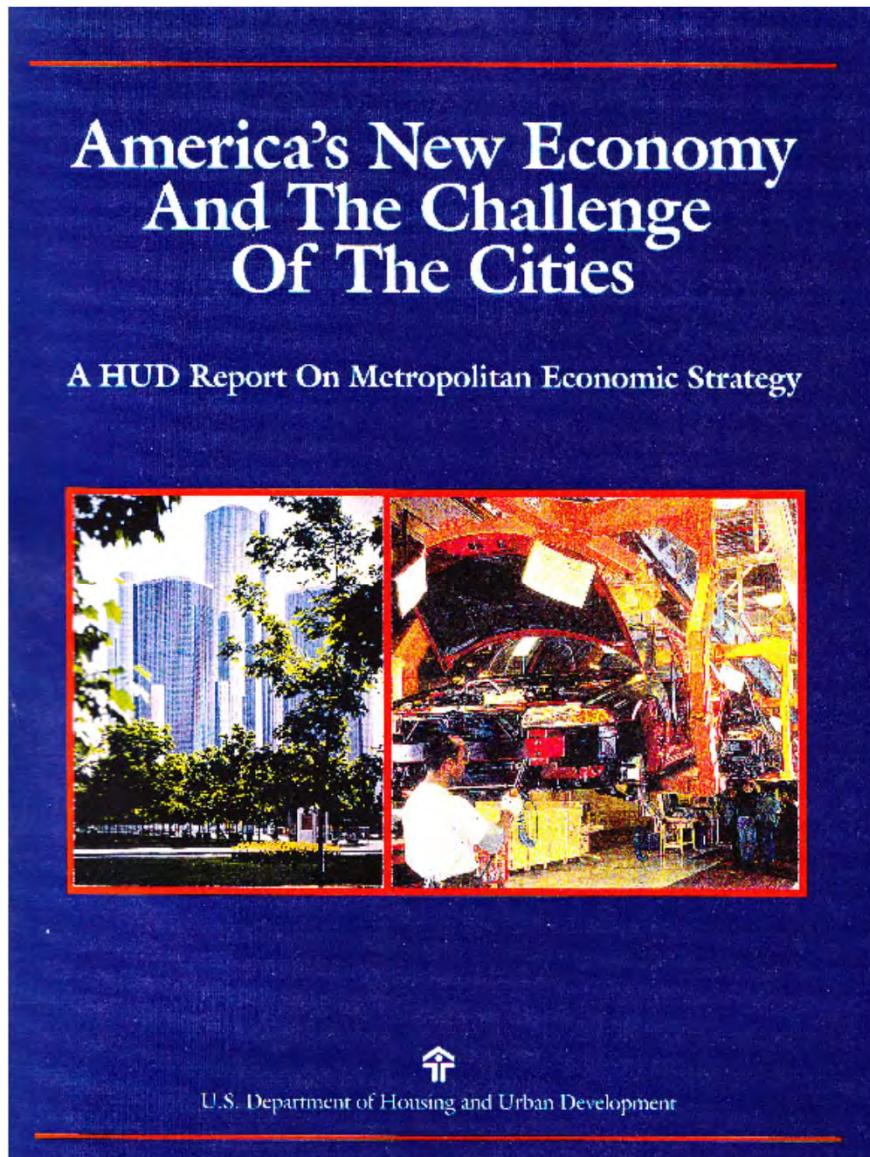
*This paper is the summary report of a larger project researched and written by the Berkeley Economic Development Project group, which includes Marjorie Bennett, Daniele Farber, Linda Gardner, Jay Jones, Joyce Klemperer, Nancy Leigh-Preston, Neil Mayer, Michael Peltz, Amy Skewes-Cox, Matthew Steinle, and Paul Sussmann, all associated with the University of California and the Planners' Network. Copies of the related papers are available from the Institute of Urban and Regional Development, University of California, Berkeley.

**The authors would like to thank the City Manager's Office of the City of Berkeley, the staff of the Institute of Urban and Regional Development, and the College of Environmental Design, University of California, Berkeley, for material support. We also wish to thank Barry Rosen, City Manager's Office, who acted as the City's liaison on this research project.

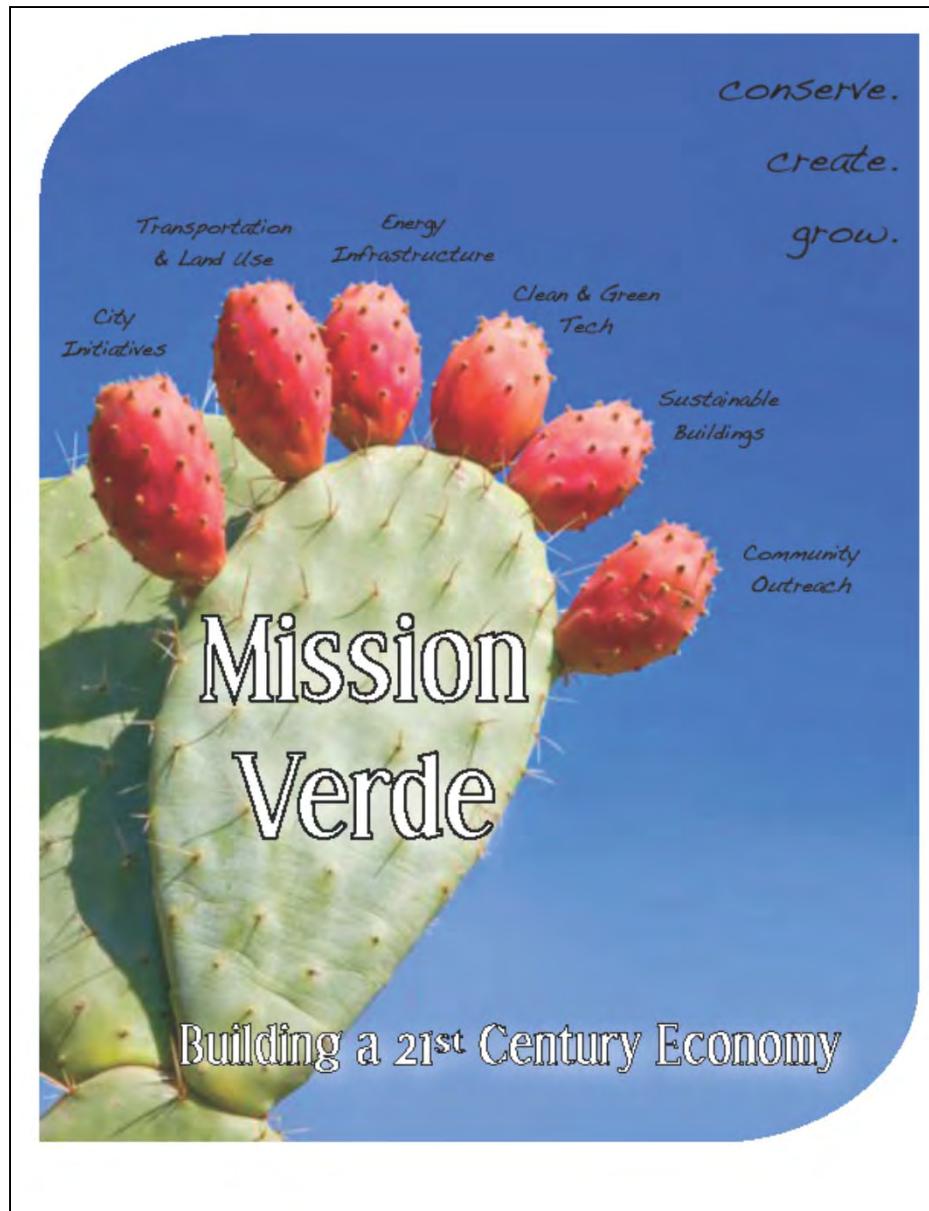


Global Urban Development

Portland Metropolitan Economic Strategy: 1970s-1990s



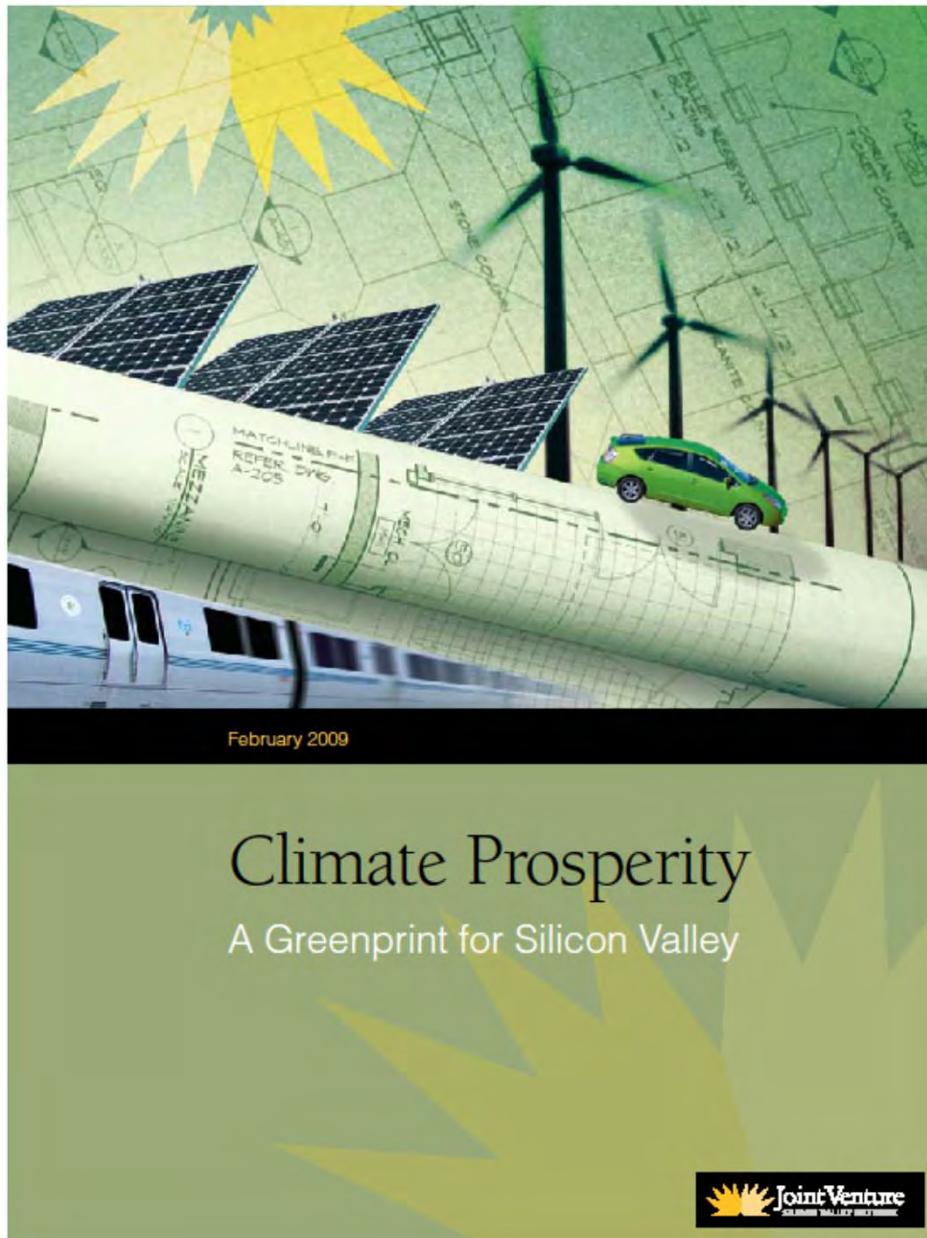
San Antonio



Global Urban Development



Global Urban Development



Global Urban Development

20

Southwest Florida Climate Prosperity Strategy

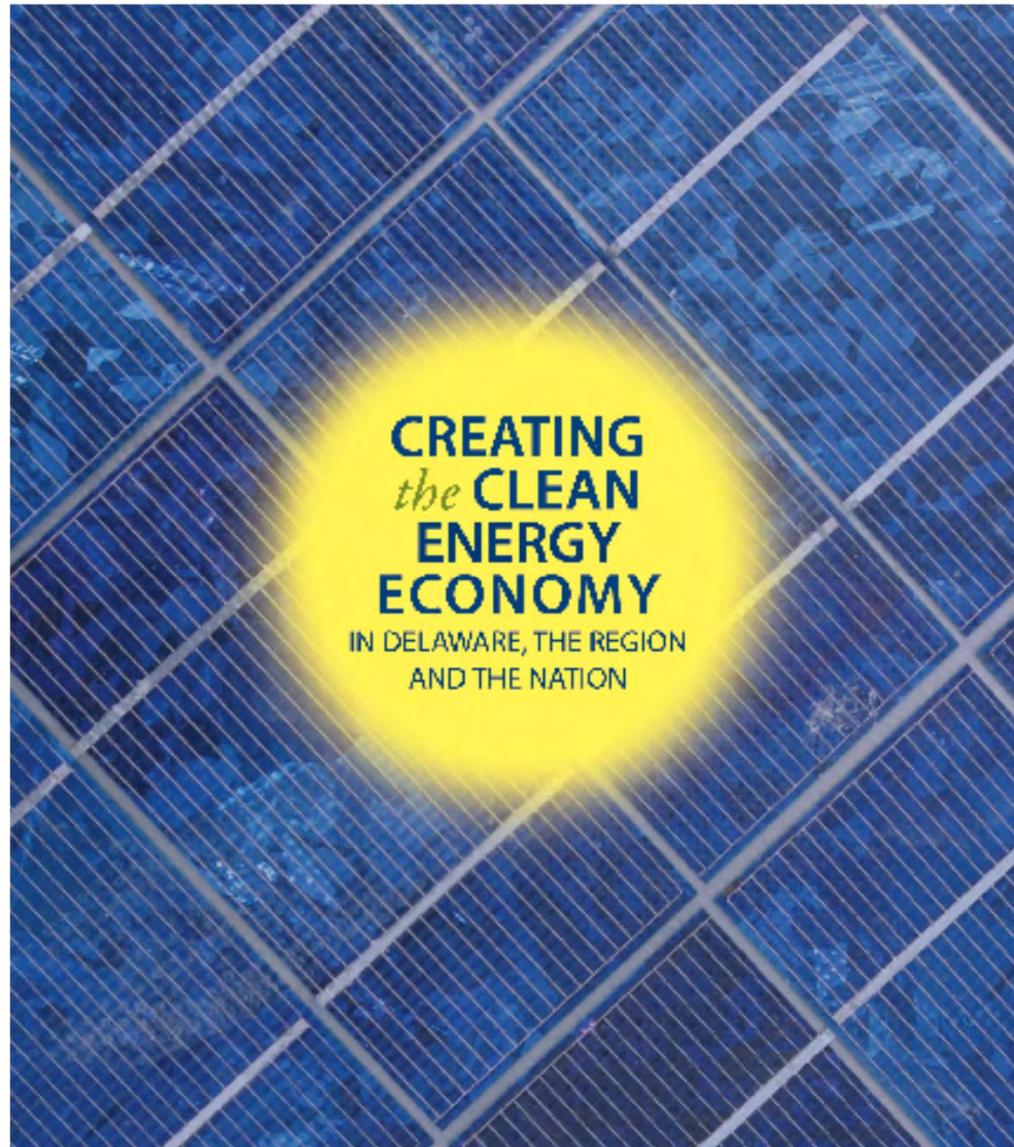


Southwest Florida Regional Planning Council



Global Urban Development

State of Delaware



Global Urban Development

The
Portland Metro
Climate Prosperity
Project

A GREENPRINT
FOR THE METRO REGION



Global Urban Development



Climate Prosperity

Economic opportunity through a sustainability lens

Metro Denver Economic
Development Corporation

May 2011



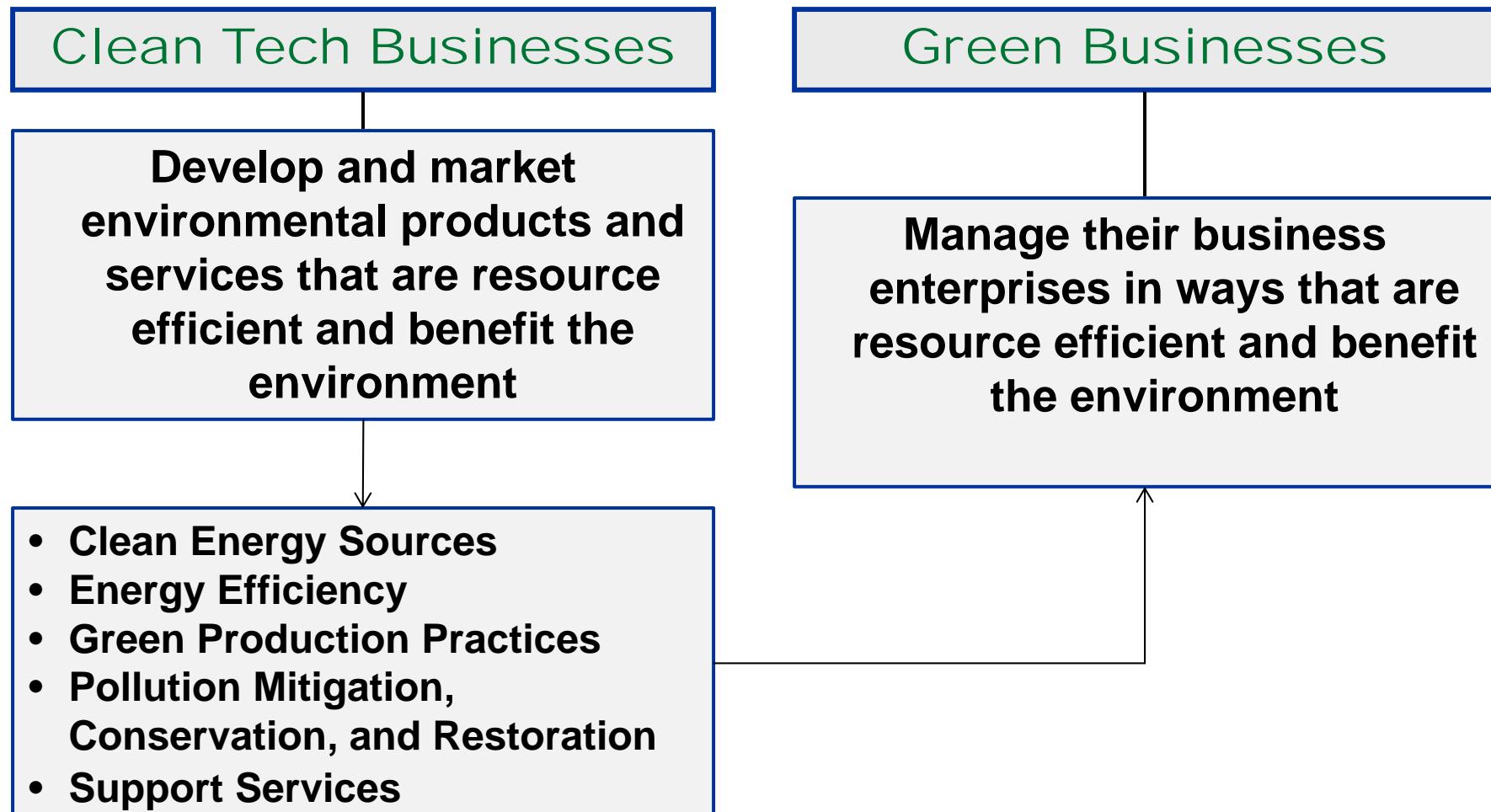
Global Urban Development



Sustainable Economic Development Strategies



Two Kinds of Sustainable Economy Businesses



Eco-Smart Development Principles

- **Livable Communities:** mixed-use, walkable, and human scale
- **Green Energy:** solar, wind, geothermal, and biomass
- **Resource Efficiency:** conserving energy and materials, and reducing or eliminating all forms of waste
- **Climate Action:** reducing/eliminating greenhouse gas emissions
- **Sustainable Business:** promoting Clean Tech and Green Business
- **Smart:** using IT and Broadband for smart infrastructure with smart buildings connected by a smart grid
- **Ecological:** environmental preservation and restoration with preservation zones, green ways, parks, & lakes
- **Multi-Modal Transportation:** pedestrians, bicycles, public transit, private vehicles powered by electricity and biofuels
- **Low-Impact:** retaining native vegetation and soils, rainwater harvesting, pervious pavement, and bio-retention
- **Bio-Regional:** connecting local organic agriculture with urban consumption



Prosperity in Paradise:

Growing the Sarasota County Sustainable Economy

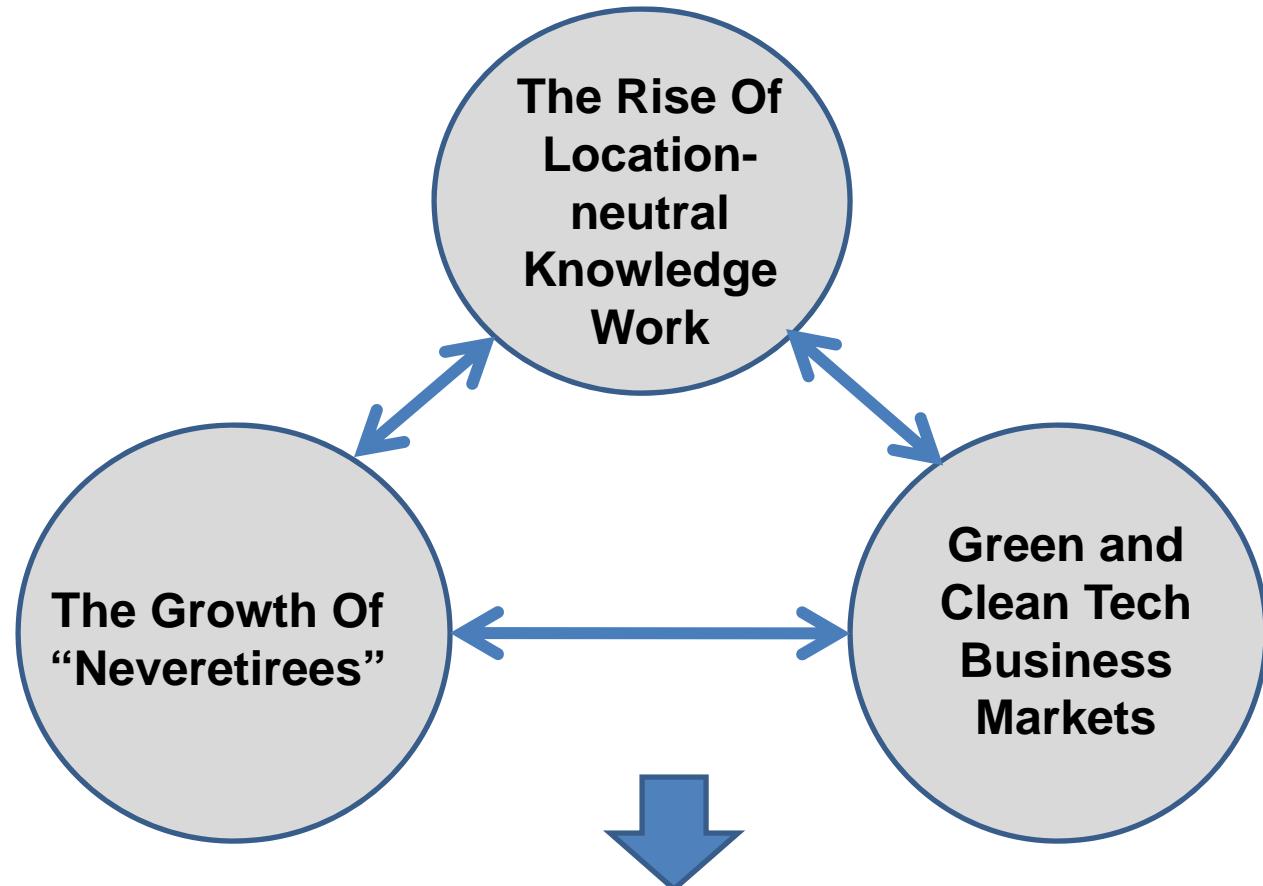
Recommendations

Global Urban Development Team
April 14, 2011



Global Urban Development

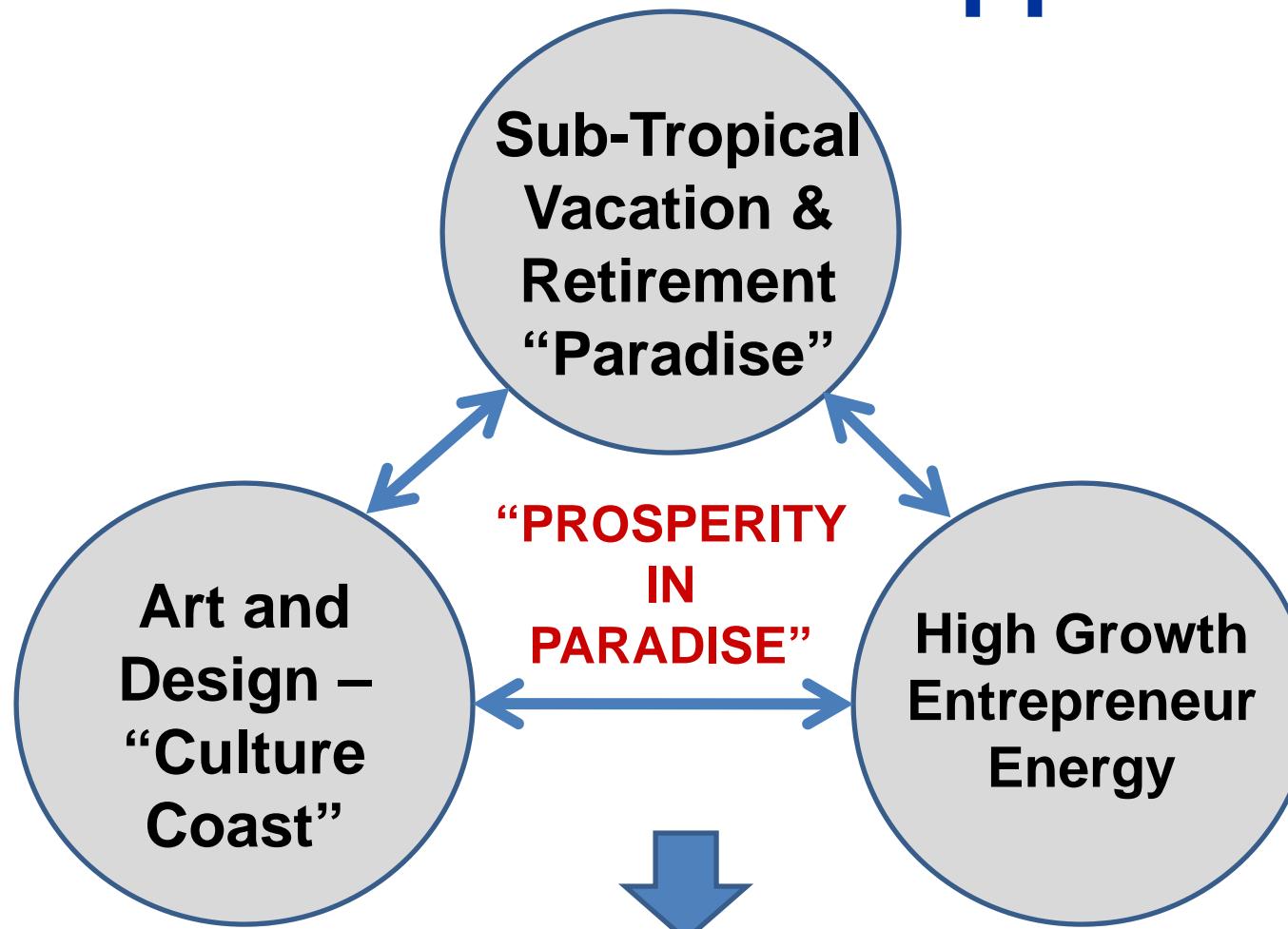
Three Important National Trends



The convergence of these three external trends in Sarasota creates a unique opportunity for differentiation.



The Differentiation Opportunity



**Attract, Retain & Support Clean Tech
and Green Entrepreneurs**



Prosperity in Paradise: Summary Strategy Map



For more information,
please visit the GUD website:
www.globalurban.org

email me at:
marcweiss@globalurban.org



Global Urban Development