Sustainable Innovation Zones and Global Smart Cities
Smart City Business America Congress and Expo 2017
Curitiba, PR, Brazil
May 22, 2017

Dr. Marc A. Weiss
Chairman and CEO, Global Urban Development (GUD)
Coordinator, Porto Alegre Sustainable Innovation Zone (ZISPOA)
Sustainable Innovation Zones Combine 6 Key Elements:

- Innovation and Technology
- Entrepreneurship and Startups
- Sustainability and Resource Efficiency
- Creativity and Collaboration
- Participatory Community Management
- Business-Friendly Environment
NEW YORK CITY
TRANSFORMING A CITY INTO A TECH INNOVATION LEADER
Victor Mulas and Mikel Gastelu-Iturri
THE WORLD BANK

Tech Innovation Ecosystems – World Bank Global Research
Sustainable Innovation Zones as Innovation Ecosystems

4 Distinctions:

• Focus on Sustainability and Resource Efficiency
• Emphasizes Community as Place-Based Experiment
• Adds Sustainability/Social Entrepreneurs and Innovators
• Grassroots Citizen-University-Private Sector Movement
The Rio Grande do Sul leapfrog economic strategy and the Porto Alegre Sustainable Innovation Zone (ZISPOA)

by Marc A. Weiss¹
and Luis Felipe Nascimento²

The Porto Alegre Sustainable Innovation Zone (Zona de Inovação Sustentável de Porto Alegre—ZISPOA), located in the independent and floresta neighborhoods of the Brazilian city of Porto Alegre (Weiss 2016), represents the first major step towards the implementation of Global Urban Development's (GUD) 2015 World Bank-funded Leapfrog Economic Strategy (LES) for the state of Rio Grande do Sul (RS) to become the most sustainable and innovative place in Latin America by 2030 (Weiss et al. 2015). Both the LES and the development of Sustainable Innovation Zones, starting with ZISPOA, offer excellent opportunities for the city and the state to successfully achieve both the United Nations Sustainable Development Goals (SDGs) and the New Urban Agenda, and can perhaps highlight ways in which other regions may be able to do so as well.

Sustainable Innovation Zones in Rio Grande do Sul

doing, will have an economic competitive advantage over the rest of the world. The first places among emerging economies in developing countries that can accomplish such technological breakthroughs will leapfrog into the front ranks of global competitiveness.

This will happen for two main reasons. First, because such successful places will have expertise and experience, reflected in their products and services, of enormous value to the rest of the world. Second, because many global resources will flow to such places from elsewhere: talent, technologies, investors, entrepreneurs, students, scholars, traders, tourists, developers, donors and much more. The world has a huge interest in supporting places committed to sustainable innovation and inclusive prosperity, and this growing interest and the global resources that come with it will increase exponentially during the coming decade.

Sustainable Innovation Zones are a centerpiece of the RS LES (ibid., 112–116). These many special areas in municipalities serve as magnets for international talent and experience in 21st century technology.

The RS Leapfrog Economic Strategy

The state of RS has been an economic leader in Brazil for a long time. In the 20th century it became one of the first states in the country to successfully industrialize and urbanize, and today it remains the third biggest industrial economy among Brazilian states. More than a dozen RS industries are either the largest or second largest among similar industries in other states in Brazil (ibid., 52).

However, RS is facing considerable economic challenges in the coming decades: relatively slow economic growth, a decreasing working-age population, modest productivity improvements, increasing global competition, and insufficient resources to upgrade infrastructure and education, among others.

An alternative to this projected slow growth in the future is one of dynamic, high growth characterized by broad-based

“...

The future of the world will be about finding ways for billions of people to live and thrive in peace with each other and with nature.

Photo: Felipe Holguín, A view of Porto Alegre, Brazil, 2015 <https://geographylinks.com/>
GLOBAL URBAN DEVELOPMENT

What is our fundamental challenge for global urban development in the 21st century?
Can we possibly succeed in enabling every community to peacefully grow and thrive?
Why can't we all just get along?

Barcelona • Beijing • Belo Horizonte • Curitiba • Hong Kong • Istanbul • London • Porto Alegre • Prague • Rehoboth • San Francisco Bay Area • Singapore • Sydney • Toronto • Washington, DC

NEWS AND EVENTS
2015 GUD Leapfrog Economic Strategy Report: Brazil’s State of Rio Grande do Sul Becomes the

http://www.globalurban.org/2015_RS_LEAPFROG_ECONOMIC_STRATEGY.pdf
GANHAR DINHEIRO, TORNANDO-SE MAIS SUSTENTÁVEL, É POSSÍVEL? MARC WEISS, PRESIDENTE DA ORGANIZAÇÃO INTERNACIONAL GLOBAL URBAN DEVELOPMENT (GUD), NÃO SÓ ACREDITA NISTO COMO TEM UM LARGO CURRÍCULO PARA PROVAR-LO, NO ESTADO DA CALIFÓRNIA E, DEPOIS, COM O GOVERNO CLINTON. AGORA, ELE TRABALHA NA CRIAÇÃO DE UMA ZONA DE INOVAÇÃO SUSTENTÁVEL EM PORTO ALEGRE E ALMEIA TORNAR O RIO GRANDE DO SUL UMA REFERÊNCIA EM CRESCIMENTO SUSTENTÁVEL.

MARC A. WEISS

Metropolitan Economic Strategy: The Key to Prosperity

Metropolitan Economic Strategy is now essential for every nation and urban region to generate sustainable prosperity and quality of life.
METROPOLITAN ECONOMIC STRATEGY,
SUSTAINABLE INNOVATION,
AND INCLUSIVE PROSPERITY

Aligned with 5 Worldwide Economic Trends

• Knowledge and Information-Based
• Technology and Communications-Intensive
• Urban and People-Centered
• Resource-Efficient and Sustainable
• Globally Oriented
“Getting Richer by Becoming Greener”

Sustainable Innovation and Inclusive Prosperity 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 Innovation and Inclusive Prosperity 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.
High-technology industries and the future of employment

MARC A. WEISS

How should high-technology be defined? What type of employment does it create and what is its effect on other employment sectors? What part can economic development policy play in the overall employment process?

Discussions of deliberate government policy to subsidize and encourage the growth of high-technology industry confront three sets of problems: first, how to define high-technology industry; second, how to determine the goals and distributional impacts of an economic
From the California Commission on Industrial Innovation to Sustainable Innovation and Inclusive Prosperity
California’s $56 Billion Green Savings

Per Capita Electricity Sales (not including self-generation) (kWh/person) (2006 to 2008 are forecast data)

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
Sustainable Innovation and Inclusive Prosperity for Berkeley, California, 1979-84

ECONOMIC DEVELOPMENT: AN IMPLEMENTATION STRATEGY FOR THE CITY OF BERKELEY

Marc Allan Weiss
Ann Rosell Narkusen

Working Paper No. 356
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 Margorie Bennett, Daniele Farber, Linda Gardner, Joy Jones, Joyce Klemperer, Nancy Leigh-Preston, Neil Meyer, Michael Peliz, Ann Showers-Cox, Matthew Stoffel, and Paul Sussman, 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 consultant on this research project.
PARTICIPATING SMALL- AND MEDIUM-SIZED

BUSINESSES SAVE $350,000 PER YEAR
(ON AVERAGE)
Sustainable Innovation in Business

CONFESSIONS OF A RADICAL INDUSTRIALIST
PROFITS, PEOPLE, PURPOSE—DOING BUSINESS BY RESPECTING THE EARTH

RAY C. ANDERSON
with ROBIN WHITE
$8.1 Trillion Global Business Investment in Green Opportunities since 2007

More than $8.1 trillion has already been invested by the private sector in sustainable companies and technologies globally since 2007.

www.greentransitionscoreboard.com
President’s Council on Sustainable Development

Towards a Sustainable America

May 1999
Advancing Prosperity, Opportunity, and a Healthy Environment for the 21st Century

The President’s Council on Sustainable Development
Clinton Administration *Metropolitan Economic Strategy*
National Policy Initiative

America’s New Economy And The Challenge Of The Cities
A HUD Report On Metropolitan Economic Strategy

U.S. Department of Housing and Urban Development
Clinton Administration *Metropolitan Economic Strategy*
National Policy Initiative

*A Community Views Its Future*

The Baltimore, Maryland Metropolitan Region

Civic Leaders’ Strategies for Economic Prosperity and Quality of Life in the 21st Century

*A HUD Report on Metropolitan Economic Strategy*

U.S. Department of Housing and Urban Development
The Economic Resurgence of Washington, DC
Citizens Plan for Prosperity in the 21st Century

The Strategic Economic Development Plan for Washington, DC, and The Economic Summit are co-sponsored by the District of Columbia Government, the Financial Responsibility and Management Assistance Authority, the United States Department of Commerce Economic Development Administration, the Local Initiatives Support Corporation, Fannie Mae, and the World Bank.

Coordinators: Richard Monteith and Dr. Marc Weiss
District of Columbia Department of Housing and Community Development

November 1998
• $9 billion private investment
• $6 billion net new tax revenue
• 41,000 permanent jobs
• 28,000 construction jobs
• 12,000 new residents
• 26 million square feet of new and renovated office, residential, hotel, and retail space
NoMa Metro Station

Private Sector, $35 million; DC Government, $44 million; US Government, $31 million
Abandoned buildings and vacant land in NoMa, 1997
New and renovated commercial and residential buildings in NoMa, 2011
REPORT FOR THE OECD AND THE GOVERNMENT OF WALES ON THE NOMA (NORTH OF MASSACHUSETTS AVENUE) STRATEGIC ECONOMIC DEVELOPMENT INITIATIVE IN WASHINGTON, DC

Dr. Marc A. Weiss, Chairman and CEO, Global Urban Development
May 2008

[Note: on June 18, 2012, the New York Avenue Metro Station was officially renamed as the NoMa Metro Station.]

1. Rationale for the initiative

Problem to address: In 1997 the city of Washington, DC was suffering from slow job growth, insufficient new investment and development, population loss, declining government revenues, and troubled low-income neighborhoods. Formulating and implementing a major new private sector-oriented economic development strategy had become a vital necessity.

Policy context: During August 1997, the US Congress passed legislation, signed by President Clinton, entitled the National Capital Revitalization Act. This law was primarily designed to address long-term structural fiscal imbalances harming the financial viability of the District of Columbia Government, such that it was running substantial budgetary deficits, unable to raise sufficient revenue to meet its expenditure obligations. Two years earlier, the federal government created the District of Columbia Financial Responsibility and Management Assistance Authority (the "Control Board") to order substantial reductions in personnel and spending, and to directly manage the DC government. In 1997 the Control Board was tasked by Congress with producing a strategic economic development plan designed to grow private sector businesses and jobs for DC residents, among other reasons, in order to increase the tax and revenue base.

Action concept: In the fall of 1997, Dr. Andrew Brimmer, Chairman of the Control Board, hired Richard Monteilh as the Director of the Office of Economic Development and Department of Housing and Community Development, and then hired me as the Senior Adviser to Mr. Monteilh, and as the Coordinator of the Congressionally mandated strategic economic development plan. Within one year Richard Monteilh and I, working with literally thousands of city and regional stakeholders from business, government, labor, civic, community, and faith-based leadership, including a 40-member steering committee, produced an Economic Summit held at the World Bank, attended by more than 2,000 people, and published The Economic Resurgence of Washington, DC: Citizens Plan for Prosperity in the 21st Century. The city’s first-ever comprehensive, private sector growth-oriented economic development strategy focuses on three broad categories: strategic industries (six key industry networks/clusters, plus growing businesses and jobs across the private sector), strategic populations (workforce development, plus attracting and retaining residents) and strategic areas (downtown and neighborhoods). The centerpiece of the plan was 40 strategic actions whose implementation was committed to begin within one year of the plan’s publication in November 1998. Among these 40 actions were two that are central to this report: Action 26—Develop NoMa (North of Massachusetts Avenue) as a Technology, Media, Housing, and Arts District, and Action 29—Build a Metro Station at New York Avenue to Spur Development.
The Portland Metro Climate Prosperity Project

A GREENPRINT FOR THE METRO REGION
PORTLAND ECODISTRICTS

Introducing Target Cities

The pilot program, redefined.

Target Cities is a new two-year partnership with nine development projects across seven North American cities to amplify and accelerate district-scale community regeneration and create replicable models for next-generation urban revitalization.

The program, launched as a Clinton Global Initiative Commitment (CGI) in June 2014, is a fresh approach to building...
Metropolitan Economic Strategy: How Urban Regions Innovate and Prosper in the Global Marketplace

MARC A. WEISS
Woodrow Wilson International Center for Scholars

POINT ONE
America’s future prosperity depends on the productivity and competitiveness of its metropolitan regions, the key centers of innovation and business activity, where over 90 percent of the nation’s job growth is currently taking place, and where nearly 90 percent of the nation’s Gross Domestic Product is now being generated.

The nature and volume of investment, production, and trade in and through America’s metropolitan regions is one of the basic structural building blocks of our country’s macroeconomic growth and global competitiveness, and thus is at least as important as fiscal and monetary policy, international trade, education, and other economic issues regularly considered and debated by the executive, legislative, and judicial branches of the federal government, including the Board of Governors of the Federal Reserve System.

Metropolitan Economic Strategy is vital for national economic policy in the new global marketplace, both in the USA and in countries throughout the world.

points for individuals trying to thrive in the global economy. Yet the greatest barrier to regional coordination, cooperation, and collaboration is the lack of a common metro-
GLOBAL CLIMATE PROSPERITY AGREEMENT:
"THE ONE TRILLION DOLLAR DEAL"

Dr. Tariq Banuri, Director, Division of Sustainable Development, United Nations Department of Economic and Social Affairs, and Dr. Marc A. Weiss, Chairman and CEO, Global Urban Development.

March 2009

The Global Climate Prosperity Agreement -- "The One Trillion Dollar Deal" -- can become the worldwide game-changer that will demonstrate the positive path forward for human civilization in the 21st century, namely the peaceful transition from the current globally unsustainable economy to an advanced technology-driven and environmentally sustainable industrialized society. Key private sector executives are organizing this completely voluntary, market-oriented, public-private investment and development strategy whereby corporations, financial institutions, insurance companies, pension funds, equity investment funds, and others will commit to invest one trillion dollars in developing countries over the next decade to build a new and modern infrastructure based entirely on renewable energy and clean technologies, including plug-in electric vehicles and "smart" and "super" electric grids. These investments and related projects will be supplemented and enhanced by additional funds, tax incentives, and regulatory policy support from governments, along with funds that will come from international donor agencies, official development assistance, and private philanthropy. The United Nations and World Bank, including various UN agencies and regional development banks, can play a key role in enabling these investments to succeed.
ENERGY AND CLIMATE PARTNERSHIP OF THE AMERICAS
Estratégia Económica Leapfrog: O Rio Grande Do Sul Torna-se O Lugar Mais Sustentável E Inovador Da América Latina Até 2030
RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY

KEY DRIVER:
Precision Production, Smart Machines, and Digital Technology
RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY
KEY DRIVER:

Renewable Energy and Clean Technologies
RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY

KEY DRIVER:

Sustainable Innovation in Chemicals, Polymers, and New Materials
GLOBAL URBAN DEVELOPMENT

RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY

KEY DRIVER:
Sustainable Innovation in Precision Agriculture and Biotechnology for Food, Health, and Environment
RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY

KEY DRIVER:

Advanced Manufacturing
Sustainable Innovation Technologies

- Advanced Sensing, Measurement, and Process Control
- Advanced Materials Design, Synthesis, and Processing
- Visualization, Informatics, and Digital Manufacturing Technologies
- Sustainable Manufacturing
- Nano-manufacturing
- Flexible Electronics Manufacturing
- Bio-manufacturing and Bio-informatics
- Additive Manufacturing (including 3-D Printing)
- Advanced Manufacturing and Testing Equipment
- Industrial Robotics
- Advanced Forming and Joining Technologies
GLOBAL URBAN DEVELOPMENT

RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY

KEY DRIVER:
Food Production Value Chain

Global Food Demand Will Increase 50% by 2030
GLOBAL URBAN DEVELOPMENT

RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY

KEY DRIVER:

INFRASTRUCTURE, TRANSPORTATION, AND LOGISTICS
GLOBAL URBAN DEVELOPMENT

RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY
KEY DRIVER:

HIGHER EDUCATION, RESEARCH, AND WORKFORCE DEVELOPMENT

SENAl Centro Tecnologico de Mecatronica, Caxias do Sul
RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY

KEY DRIVER:

ENTREPRENEURSHIP

AND STARTUPS
RIO GRANDE DO SUL LEAPFROG ECONOMIC STRATEGY

KEY DRIVER:

SUSTAINABLE INNOVATION ZONES
GLOBAL URBAN DEVELOPMENT

SUSTAINABLE INNOVATION ZONES

Freiburg

London

Barcelona
RS Universities as Resources for Sustainable Innovation Zones
RS Technology Parks as Resources for Sustainable Innovation Zones

RS Technology Parks
- Operating in 2014 (8)
- Being implemented (8)

Source: SEPLAG and GUD
RS Tech Business Incubators as Resources for Sustainable Innovation Zones

RS Technology Incubators

Technology Business Incubators Operating in 2014 (30)

Source: SEPLAG and GUD
A Post-Industrial Brazilian Neighborhood Aims to be Latin America's Silicon Valley

By Greg Scruggs | Next City | June 19, 2014

On June 9, Nós hosted its latest working group on the 4º Distrito and invited Dr. Marc Weiss, international professor of economics and business management at Unisinos Porto Alegre. Weiss is chairman and CEO of Global Urban Development, a network of urban affairs leaders, and currently advising the Rio Grande do Sul state government on metropolitan economic strategy.

In 1998, he authored a strategic economic development plan for Washington, D.C. that fingered the area north of Massachusetts Avenue, which he coined “NoMa,” as a potential development opportunity in a blighted area, anchored by media companies and accessible by a new Metro station. The results today are total assessed real estate values in the billions of dollars and 40,000 workers daily, which have injected activity into the neighborhood.
TODA GRANDE JORNADA COMEÇA COM UM PRIMEIRO PASSO
Os Membros de Hub de Inovação Sustentável Paralelo Vivo
Pulsar e Desafio Empreendedor, UFRGS
Cursos de ZISPOA
Zona de Inovação Sustentável de Porto Alegre -- ZISPOA
OBJETIVOS zsPoa

TORNAR-SE O LUGAR MAIS INOVADOR E SUSTENTÁVEL DA AMÉRICA LATINA ATÉ 2020

CONEXÃO DIGITAL
ENERGIA SOLAR
EFICIÊNCIA ENERGÉTICA
TECNOLOGIAS RENOVÁVEIS
AMIGÁVEL ÀS BICICLETAS
6 ELEMENTOS Zispoa

- Inovação e tecnologia
- Empreendedorismo e startups
- Ambiente amigável aos negócios
- Sustentabilidade e eficiência de recursos
- Gestão comunitária participativa
- Criatividade e colaboração
SMART LIVING CHALLENGE

- Invitation -

As a key influencer within the Smart Living Challenge network, we welcome you to participate in a

VIRTUAL MEETUP

Sharing for Sustainable Mobility
in Porto Alegre, Brazil

April 28 at 12.00 - 14.00 BRT
[Brasilia Time], UTC/GMT -3 hours

In this virtual meetup, you will learn more about the Sustainable Innovation Zone in Porto Alegre, and be able to share your insights regarding electric car sharing, bike sharing and garage sharing.

Moderator: Susanne Fuglsang, Another Tomorrow

Porto Alegre presenters:
Marc Weiss, Global Urban Development
Ricardo Pierozan, Webike
Lucas de Paris and Julia Froeder, MVM Tecnologias
Nicole Cerato, Federal University of Rio Grande do Sul
Eric Feddersen, EasyBox

Participating experts:
Jeppe D. Larsen, MOVEBYBIKE, Stockholm
Mattias Goldmann, Foers, Stockholm

Focusing on one key topic at a time, the ambition is that a global network of smart people can make it happen.

bit.ly/portoalegrezone
smartlivingchallenge.com
Um plano de compartilhamento de carros elétricos para a ZISPOA
ZISPOA: Primeiro ponto de recarga solar para carro elétrico em Porto Alegre
Semanas de Inovação Suécia-Brasil em Porto Alegre
20 e 21 de outubro de 2016

“Desenvolvimento Urbano Sustentável, com foco em transporte e energia sustentáveis”
ZISPOA Dia Mundial do Meio Ambiente Festival em Vila Flores
Espaço Floresta: ZISPOA-DMLU Horta Comunitária e Compostagem Urbana
31/03 às 19h

Oficina POA SOLAR, ZISPOA e Virada Sustentável 2017
OFICINA COLABORATIVA DE NEGÓCIOS
Marketing e Vendas
25/04 - Prédio Centenário UFRGS

Oficina Zispoa de Negócios
Planejamento Estratégico
01/12, quinta - 19h
Paralelo Vivo
Curso de engenharia da UFRGS faz um estudo de gestão ambiental para Vila Velô em ZISPOA
ZISPOA Conexões Sustentáveis
ZISPOA
ZONA DE INOVAÇÃO SUSTENTÁVEL DE PORTO ALEGRE

Engª ALESSANDRA A. BOTH
Gerente de Projetos e Estudos de Mobilidade EPTC

15/05 às 19h
PRÉDIO CENTENÁRIO/UFRGS
Sala anexo 104 F(ICE)

Estratégias para uma ZISPOA mais amigável às bicicletas
Reunião de Stakeholders
Edição Workshop de Co-criação

30/05 às 19h30
PRÉDIO CENTENÁRIO/UFRGS | Sala 106

Venha conhecer os projetos da ZISPOA, co-criando soluções para seus problemas!
Green Drinks
Nessa sexta, 05/08 às 19h!
Membros ZISPOA Vencedores do Prêmios por Fundação Gaia e Virada Sustentável, 2016
GLOBAL URBAN DEVELOPMENT (GUD) IN BRAZIL: THE PORTO ALEGRE SUSTAINABLE INNOVATION ZONE (ZISPOA) AND THE PARALELO VIVO SUSTAINABLE INNOVATION HUB

The Porto Alegre Sustainable Innovation Zone (ZISPOA – Zona de Inovação Sustentável de Porto Alegre) and the Paralelo Vivo Sustainable Innovation Hub have made extensive progress since GUD’s previous World Urban Campaign Newsletter article in October 2015. The excitement and energy of this rapidly growing movement for Sustainable Innovation and Inclusive Prosperity is highlighted in this brief video produced by the Porto Alegre City Government (POAdigital):
GLOBAL URBAN DEVELOPMENT

ZISPOA Sustainable Urban Geoinformation International Webinar

Monday, April 11, 2016, 12:00 to 2:00 pm
Paralelo Vivo Sustainable Innovation Hub
Rua Pinheiro Machado 40, Porto Alegre, RS, Brazil

Moderator:

Welcome -- Dr. Marc A. Weiss, Chairman and CEO, Global Urban Development (GUD), Porto Alegre

Speakers:

Introduction -- Dr. Fernando Echavarria, Foreign Affairs Officer, Office of Space and Advanced Technology, Bureau of Oceans, Environment, and Science, US Department of State, Washington, DC

Geoinformation for Sustainable Urban Management and Resilience -- Dr. Marsha Goldberg, Program Manager, GeoSUMR Partnership, American Association of Geographers, Washington, DC

Ecocitizen Mapping and Urbinsight -- Kirstin Miller, Executive Director, Ecocity Builders, Oakland, California

ArcGIS, GeoDesign, and 100 Resilient Cities -- Dr. Carmelle Terborgh, Lead Account Manager, Nonprofit and Global Organizations, Esri, Washington, DC
Incubadora Tecnológica Hestia: Inovação Sustentável e Empreendedorismo na UFRGS

Zistalks 22/05 às 19h

Professora Carla Schwengber ten Caten
Vice-direção da Escola de Engenharia, UFRGS
Diretora da Incubadora Tecnológica Hestia

PRÉDIO CENTENÁRIO/UFRGS
Sala anexo 104 F(ICE)
OBRIGADO

marcweiss@globalurban.org