Rapid Introduction of Participating Cities and Organizations

Batch 3
Rob McDonald, Lead Scientist for Cities and Joel Paque, Policy Lead for Cities
▪ Asunción, Paraguay, United Nation Development Programme

▪ Veronique Gerard and Maria Irene Gauto

▪ Programme officer / Technical Manager (Asunción ciudad verde – vías a la sustentabilidad)

▪ Website Address http://www.py.undp.org/

▪ Email veronique.gerard@undp.org / maria.gauto@undp.org
Asunción, Paraguay, Ministry of Environment and Sustainable Development

Isabel Gamarra de Fox

Biol. MSc Biodiversity and Conservation/Mammology

Website Address http://www.mades.gov.py/

Email isabeldefox@yahoo.com
□ Main undertakings in:
   (i) Green Urban Development
       MADEES resolution that gives the specifications for an urban green corridor

   (i) City Biodiversity
       Studies carried out on biodiversity in Asunción (bird inventories, mammal monitoring)

   (i) City Natural Capital Accounting and Nature Based Solutions
       Creation and management of protected areas at the urban level

□ One key reflection and lesson learned in the area:

  Paraguay has good experience in biodiversity surveys but little in natural capital accounting. However the data on biodiversity in the city is not exhaustive.
▪ UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION (UNIDO)

▪ Your Name(s) / Designation(s)

Mark Draeck
Industrial Development Officer
Thematic Lead on Sustainable Cities
Energy Systems and Infrastructure (ESI) Division, Department of Energy

▪ Area of Expertise: sustainable cities; energy; mobility; integrated approaches

▪ Website Address
www.unido.org/energy
Open data platform: https://open.unido.org

▪ Email: m.draeck@unido.org
UNIDO Sustainable Cities Ongoing Projects

Legend
- Low Carbon Infrastructure and Services
- Urban industrial services
- Innovative city solutions

Cuba: Creative and cultural industry development

Senegal: Eco-Industrial Parks

Cote D’Ivoire Air quality and cleaner urban industrial production

Pakistan: Leather cluster development

India: Waste recovery to Energy

South Africa: Clean energy and water

China: Urban mobility and e-mobility

Belt and Road: Carbon neutral infrastructure guidelines for investment along B&R

Malaysia: Energy systems, smart grids and e-mobility

Pakistan: Leather cluster development

South Africa: Clean energy and water

Legend
Biodiversity and ecosystem services

• At city level:
  • Integration of biodiversity conservation and maintenance ecosystem services into urban planning and development
  • Development of green infrastructure and preservation of nature based solutions to address water management, air pollution, urban heat island, etc.

• At enterprise level:
  • Green roofs
  • Sustainable urban drainage systems
  • Urban farming
U.K: London

Peter Massini, Lead of Green Infrastructure Development
Jennifer Rae Pierce
Head of Partnerships & Engagement
ubhub.org@gmail.com

Empowering local governments to plan with nature
URBAN BIODIVERSITY HUB

The Urban Biodiversity Hub helps cities around the world to choose a biodiversity strategy, then measure and improve their biodiversity strategy and action plans.

Publicly accessible at ubhub.org

UBHub offers:

Public Site
- Database of Plans & Activities
- Resources of Practices & Standards

myHub Members Site
- Experts Forum
- Indicator Tracker

Under development with city partners
Public Database
www.ubhub.org/map

Features:
- Largest global database of urban activities with nature
  - Over 1300 locations
  - Compiles data from 26 programs
- Available as a map, table, and guide

Advantages
- Showcase your initiatives
- Locate comparable activities
  - Links to plans and policies
  - Filter by density, biome, etc.
  - Highlight by program
- Compare indices and other programs
myHub platform for municipalities to measure and track their biodiversity efforts

Advantages

- Organize and structure data
  - All data in one place
  - Automated imports (iNaturalist, etc.)
- Standardize indicators and calculations
  - Choose from an existing index,
  - Or customise your own
  - Set targets and track progress
- Coordinate with multiple partners
- Automatically generate visual reports
Vivid Economics is a leading strategic economic consultancy

Founded in London in 2006, we now have:
• a team of over 70 economists
• staff in the UK, the Netherlands, Peru, Brazil and the USA

An ability to use economic expertise to deliver original, robust and useful solutions:
• we have a strong network of leading academics
• we leverage innovative models and methodologies

Broad experience across sectors and themes:
• expertise in infrastructure, industry, resources and finance
• themes of growth, competition, and innovation
• industry leaders in applying and developing economic tools

Work in more than 60 countries for governments, development institutions and private sector clients
Delivering projects across eight core service offerings
Vivid is leading GREENKEEPER – an innovative $1.7 million research project to develop a new tool to value urban green space.
Vivid Economics is a leading strategic economics consultancy with global reach. We strive to create lasting value for our clients, both in government and the private sector, and for society at large.

We are a premier consultant in the policy-commerce interface and resource and environment-intensive sectors, where we advise on the most critical and complex policy and commercial questions facing clients around the world. The success we bring to our clients reflects a strong partnership culture, solid foundation of skills and analytical assets, and close cooperation with a large network of contacts across key organisations.

Contact us:
Vivid Economics Limited
163 Eversholt Street
London
NW1 1BU

Author contact details:
T: +44 (0)844 8000 254
E: james.patterson-waterston@vivideconomics.com

Practice areas
Energy and industry
Cities and infrastructure
Natural resources
Growth & development
Competitiveness & innovation
Public and private finance
WORK PLAN FOR THE
GPSC RESOURCE TEAM
2019

March, 2019
RESOURCE TEAM ACTIVITIES

1 – Needs assessment and peer exchange
   • Sustainable Urban Development Assessment
   • Capacity Development Plan
   • Peer exchanges and documentation

2 – Learning events
   • City Academy and documentation
   • Side Events
   • Promotional Events
   • Webinars

3 – Knowledge management + documentation
   • Library of Knowledge
   • New Knowledge/Research
   • Adaptation of existing tools
<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>February</td>
<td>7</td>
<td>Webinar: Nature-Based Solutions [WRI]</td>
</tr>
<tr>
<td>March</td>
<td>14</td>
<td>Webinar: Tactical Urbanism [WRI]</td>
</tr>
<tr>
<td></td>
<td>29</td>
<td>Webinar: Urban GHG Emission Inventories - Evolution of Accounting Frameworks [ICLEI]</td>
</tr>
<tr>
<td>April</td>
<td>4</td>
<td>Webinar: Delivering Local Resilience [ICLEI]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Webinar: Sustainable Waste Systems: Accra's transfer facilities [C40]</td>
</tr>
<tr>
<td></td>
<td>15-17</td>
<td>Peer exchange: Resilient Cities Asia Pacific in Delhi, India [ICLEI]</td>
</tr>
<tr>
<td>May</td>
<td>30</td>
<td>Webinar: Introduction to City Climate Action Planning. [WRI]</td>
</tr>
<tr>
<td>June</td>
<td>12</td>
<td>Peer exchange: Financing Sustainable African Cities [C40]</td>
</tr>
<tr>
<td></td>
<td>26-28</td>
<td>Peer exchange: Resilient Cities in Bonn, Germany [ICLEI]</td>
</tr>
<tr>
<td>July</td>
<td>10-12</td>
<td>Peer exchange: World Cities Summit in Medellin, Colombia [C40]</td>
</tr>
</tbody>
</table>
## UPCOMING LEARNING EVENTS

<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>August</td>
<td>TBC</td>
<td>Webinar: Food Systems or Air Quality [C40]</td>
</tr>
<tr>
<td></td>
<td>TBC</td>
<td>Peer exchange: Air Quality in Mexico City [WRI]</td>
</tr>
<tr>
<td>September</td>
<td>16-20</td>
<td>3rd Annual GPSC event in Sao Paulo, Brazil [World Bank] City Academy 2 in Sao Paulo, Brazil [C40]</td>
</tr>
<tr>
<td>October</td>
<td>9-12</td>
<td>Peer exchange: [C40 Mayors Summit Copenhagen, Denmark] [C40]</td>
</tr>
<tr>
<td></td>
<td>TBC</td>
<td>Webinar: Sustainable mobility. [ICLEI]</td>
</tr>
<tr>
<td></td>
<td>TBC</td>
<td>Webinar: Land Use Planning [C40]</td>
</tr>
<tr>
<td>November</td>
<td>11-22</td>
<td>Promotional event: UN COP 25 in Santiago, Chile [WRI]</td>
</tr>
<tr>
<td></td>
<td>TBC</td>
<td>Webinar: Renewables [ICLEI]</td>
</tr>
<tr>
<td>December</td>
<td>TBC</td>
<td>Webinar: Energy &amp; Buildings [C40]</td>
</tr>
<tr>
<td>January</td>
<td>TBC</td>
<td>Peer exchange: Transforming Transportation 2020 and integrated sustainability solutions in Washington, DC [WRI]</td>
</tr>
<tr>
<td>February</td>
<td>TBC</td>
<td>Africa Peer Exchange [ICLEI]</td>
</tr>
</tbody>
</table>
• Contributions of key knowledge pieces to [GPSC library of knowledge](#) will be continuously added

• C40
  • Deadline 2020: How Cities Will Get the Job Done (English and French)
  • Summary for Policy Makers: What the IPCC Special Report on Global Warming of 1.5 C Degrees Mean for Cities
  • Focused Acceleration: A Strategic Approach to Climate Action in Cities to 2030
  • Climate Action Planning Framework (English, French, Portuguese)
  • Opportunity 2030: Benefits of Climate Action in Cities
  • Climate Opportunity: More Jobs, Better Health, Liveable Cities
  • Urban Climate Action Impacts Framework
  • Consumption Based GHG of C40 Cities
  • Benefits of Climate Action: Piloting Global Approach to Measurement
  • How to finance urban infrastructure? C40 Cities Finance Facility
  • Financing the Urban Transition: Policy Makers Summary
  • Using Data for Policy: A manual for C40 Cities (English and Spanish)
  • Municipality-led Circular Economy Case Studies
  • 11 Thematic Good Practice Guides (In English and Mandarin)
• ICLEI
  • Multilevel climate action: The path to 1.5 degrees
  • Boosting subnational climate action through new climate governance
  • Measuring, Reporting, Verification (MRV) of Urban Low Emission Development; ICLEI’s GreenClimateCities Handbook for Local Governments
  • Solutions Gateway Sourcebook; Low Carbon Solutions for Urban Development Challenges
  • Smart Management for LED-based Public Lighting; City of Buenos Aires, Argentina
  • Land degradation and cities: The essential role of local and regional governments
  • Innovative city-business collaboration; Emerging good practice to enhance sustainable urban development
  • Creating a world class culture of eco mobility; the case of Kaohsiung City
  • A model for Transit Oriented Development; Curitiba, Brazil
  • Promoting livability through sustainable transportation; City of Leipzig, Germany
  • Resilient Cities Report 2018; Tracking local progress on the resilience targets of SDG 11
  • Urban transitions insights from industrial legacy cities
  • Procura + Manual
  • Public Procurement for a Circular Economy
  • Driving energy efficient innovation through procurement - A practical guide for public authorities
  • Success stories in socially responsible public procurement
  • Buying Green!
  • Handbook on the Public Procurement of Biobased Products and Services
  • Summary of good practice of successful project preparation facilities
  • Data speak louder than words
  • Operationalizing the Urban NEXUS: Towards resource-efficient and integrated cities and metropolitan regions
  • A greener tomorrow: Water management in urban redevelopment; Dortmund, Germany
  • Recovering energy from biogas produced in wastewater treatment plants; the case of Almada in Portugal
  • Nature-based solutions for sustainable urban development
  • Talanoa and Beyond: Raising Ambition with Cities and Regions
RESOURCE TEAM KNOWLEDGE PRODUCTS

- **WRI**
  - Safe Access Manual short video introduction
  - Cities Safer by Design
  - Sustainable and Safe: A Vision and Guidance for Zero Road Death
  - International Case Studies on Public Communication and Consultation Strategies for Low Emission Zones and Congestion Charging Schemes
  - TOD Guide for Communities
  - Mapping Social Landscapes: A Guide to Identifying the Networks, Priorities, and Values of Restoration Actors
  - Global Protocol for Community-Scale Greenhouse Gas Emission Inventories
  - Accelerating Building Efficiency Eight Actions for Urban Leaders
  - Water Infrastructure Criteria under the Climate Bonds Standard
  - Sludge to Energy: An Environment-Energy-Economic Assessment of Methane Capture from Sludge in Xiangyang City, Hubei Province
  - Strengthening Nationally Determined Contributions to Catalyze Actions That Reduce Short-Lived Climate Pollutants
  - From Planning to Action: Mainstreaming Climate Change Adaptation Into Development
  - Powering Cities in the Global South: How Energy Access for All Benefits the Economy and the Environment
  - PROJECTS AND PROGRAMS MANUAL TO ENCOURAGE CYCLING IN COMMUNITIES
  - Water, Security and Conflict
  - Confronting the Urban Housing Crisis in the Global South: Adequate, Secure, and Affordable Housing
  - Connected Urban Growth: Public-Private Collaborations for Transforming Urban Mobility
  - Rail Plus Property Development in China: the Pilot Case of Shenzhen
  - Governance of Inclusive Transit-Oriented Development in Brazil
  - Resource Watch
  - Transport Emissions & Social Cost Assessment: Methodology Guide
  - Ending Tropical Deforestation: REDD+: Lessons from National and Subnational Implementation
  - Accelerating Mini-grid Deployment in Sub-Saharan Africa: Lessons from Tanzania
  - Financial Returns from Restoration
  - Global Architecture of Climate Finance
  - Financing Sustainable Cities Initiative
  - Global Protocol for Community-Scale Greenhouse Gas Emission Inventories
  - WRI Explains: 6 Road Design Changes That Can Save Lives
  - Cities are Taking on Electric Buses: How the FSCI Helps Accelerate the Transition
  - Confronting the Urban Housing Crisis in the Global South: Adequate, Secure, and Affordable Housing
UPCOMING KNOWLEDGE PRODUCTS

- Climate Action Planning Tool (Spanish & Mandarin) [C40]
- Adaptation and Land Use Planning Toolkit (Language TBC) [C40]
- TOD Corridors modules (Mandarin) [WRI]
- TUMI learning guides material [WRI]
- Livable Neighborhoods Learning Guide [WRI]
- Recife: A Case Study on Climate Finance [ICLEI]
- Latest developments on GHG emissions inventories [ICLEI]
- Integrated planning case studies (Bangalore, Mexico City, Recife, Shenzhen) [WRI]
ANNEX: PAST ACTIVITIES
<table>
<thead>
<tr>
<th>Subcomponents/Activities</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peer exchanges</td>
<td>• ICLEI World Congress (Montreal) June 19-22, 2018</td>
</tr>
<tr>
<td></td>
<td>• Africa Green Growth Forum (Kigali) November 27-30, 2018</td>
</tr>
<tr>
<td>City Academy</td>
<td>• City Academy on climate action planning and TOD (Singapore) November 26-28, 2018</td>
</tr>
<tr>
<td>Side events [organization or collaboration with hosts]</td>
<td>• 1st Meeting of the GPSC (Singapore) March 7-11, 2016</td>
</tr>
<tr>
<td></td>
<td>• 8th Global Forum on Urban Resilience &amp; Adaptation (Bonn) May 6, 2017</td>
</tr>
<tr>
<td></td>
<td>• 2nd Annual Meeting of GPSC (New Delhi) October 30-November 1, 2017</td>
</tr>
<tr>
<td></td>
<td>• Financing &amp; Implementing Sustainable Cities World Urban Forum (Kuala Lumpur) February 10, 2018</td>
</tr>
<tr>
<td></td>
<td>• GPSC Expert Meeting (Washington, DC) April 23-24, 2018</td>
</tr>
<tr>
<td></td>
<td>• Ibero-American Summit on Sustainable &amp; Resilient Cities (Asuncion) September 5-7, 2018</td>
</tr>
<tr>
<td></td>
<td>• 5th International Low Carbon City Forum (Shenzhen) September 26-28, 2018</td>
</tr>
<tr>
<td></td>
<td>• COP24 United Nations Climate Change Conference (Katowice) December 2-15, 2018</td>
</tr>
</tbody>
</table>
### RESOURCE TEAM SUMMARY OF ACTIVITIES FINALIZED [OCT 2017-DEC 2018]

<table>
<thead>
<tr>
<th>Subcomponents/Activities</th>
<th>Details</th>
</tr>
</thead>
</table>
| **Promotional events**   | • [9th Session of the World Urban Forum](#) (Kuala Lumpur) February 7-13, 2018  
• [6th GEF Assembly Roundtable-Sustainable Cities](#) (Da Nang) June 27, 2018  
• [GEF National Dialogue for India](#) (New Delhi) September 17-18, 2018 |
| **Webinars**             | • [TOD 1: TOD As A Strategy to Achieve A Sustainable City (Spanish)](#) March 15, 2018  
• [TOD 2: Fundamental Elements of TOD (Spanish)](#) April 26, 2018  
• [TOD 3: Design Components & Urban Planning (Spanish)](#) May 24, 2018  
• [TOD 4: Investment in TOD (Spanish)](#) June 21, 2018  
• [TOD 5: Inclusive TOD (Spanish)](#) July 19, 2018  
• [Enabling Safe Access to Mass Transit](#) October 25, 2018  
• [Compiling Greenhouse Gas Inventories for Cities Using the Latest Standard](#) November 30, 2018  
• [Business Models for Electric Bus Adoption](#) December 6, 2018 |
| **Library of knowledge** | • [GPSC website](#) (content submitted by ICLEI, WRI, C40) |
Your organization’s main undertakings in:

(i) **Green Urban Development:**
Theme: transparent reporting, peer reviewed evaluation and feedback on holistic (mitigation and adaptation) climate strategies.
E.g.: the One Planet City Challenge (OPCC) and its *method to align to 1.5°C, evaluation framework that emphasize evidence-based climate action planning and approach to tailored made action-oriented advice.*
Alliances: ICLEI and CDP.

(ii) **City Natural Capital Accounting and Nature Based Solutions**
Themes: sustainable infrastructure, resilience, natural capital, disaster risk reduction and response
E.g. (Alliances): improved framework for pre-feasibility, “upstream” infrastructure planning (*GIZ*) / Natural Capital Project (*TNC, Stanford, University of Minnesota, Chinese Academy of Sciences, Stockholm Resilience Centre*) / Flood Green Guide (*USAID and the Army Corps of Engineers*) / *Green Recovery and Reconstruction Toolkit* (*Red Cross*) / Landscape Finance Lab (*Climate-KIC*) / African Ecological Futures (*AfDB and UN Environment*) / National Platform for Sustainable Cities and Climate Change in Lima (*IADB, MINAM*).

One key reflection and lesson learned in the area:
- Green and resilient urban development must take place within the context of larger regional or landscape-scale spatial plans.