Localization of green transformation through long-term regional planning

Iryna Pyl

April 2020, Moskow
UNDP-GEF “Belarus: Supporting Green Urban Development In Small and Medium-Sized Cities in Belarus”

OBJECTIVES = Articulate and define values so they can be used in the planning process

ISSUES = Community concerns, problems, challenges, opportunities

VALUES = What people care about in a given context
**RESILIENCY**
focuses on adaptability, flexibility and balance. It is about the ability of a city to ‘invent’ or ‘re-invent’ itself through shocks and stresses, to harmoniously accommodate old and new values, and to adapt the functions and requirements of the city. It illustrates a city’s capacity to balance continuity with change, heritage and innovation, natural spaces and the urban environment to the benefit of its inhabitants.

**INCLUSIVENESS**
is about creating social integration and cohesion. Inclusive cities are open for participation from the widest range of civil society, irrespective of gender, age, ethnicity, cultural heritage, beliefs, religion and economic status. Inhabitants should have equal opportunities to participate in the activities of a city. Inclusiveness enhances community feelings, the sense of ownership towards the city, the sense of belonging to a place.

**AUTHENTICITY**
is the ability to maintain the local character of the city, the local heritage, culture and environment. At the same time, a city needs to accommodate social, economic and technological changes – and evolve itself. This evolution needs to be sustainable and match the expectations of the citizens.
Smart sustainable city

Advocate physical compactness
- Strategic structure planning
- Inter-city and international coordination / cooperation
- Progressive and multifunctional urban planning
- Integrated urban management and development plans

Promote social inclusiveness
- Increasing sense of place
- Developing cities without slums
- Faster community, individual participation and inclusiveness
- Policies that support innovative solutions and create a stable environment for such innovations to take place

Enable integrated and connected cities and territories
- Sustainable transport
- Smart growth and transit-oriented development
- Integration land use and transportation
- Strategic spatial planning and infrastructure planning
- Linking spatial planning to infrastructure planning
- Linking mega-projects and major infrastructural developments to spatial planning

Facilitate resilience to climate change
- Increasing photosynthetic spaces as part of green infrastructure
- Improving eco-efficiency
- Striving for climate-resilient infrastructure
- Distributed power and water system
- Development of renewable energy
- Striving for carbon-neutral cities
<table>
<thead>
<tr>
<th>Energy Policies</th>
<th>Pollution prevention, treatment and abatement</th>
<th>Mobility Policies</th>
<th>Natural resources management</th>
<th>Buildings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulations and investments to support cogeneration of energy, district heating/cooling, and city purchase of renewable energy</td>
<td>Investment in waste-to-energy and landfill methane capture plants. Requirements for recycling and composting of household waste. Support for firms producing pollution prevention, treatment and abatement technologies. Retraining of workers for waste-to-heat generation and recycling/composting activities</td>
<td>Investment in public transport, multimodal connections, transport-oriented and high-density development. Purchase of fuel-efficient or alt fuel fleet. Investment in electric car charging spots. Investment in local development of regional public transport solutions. Funding and technical assistance for regionally-located low-carbon car, battery and public transport R&amp;D. Retraining of workers for low-carbon car, battery and public transport sector</td>
<td>Investment in greywater systems. Open space preservation policies. Pricing policies to manage water demand. Support to firms related to water management. Retraining for jobs in natural resource and water management</td>
<td>Retrofitting of public buildings. Publicly supported financing mechanisms for individual investment in energy efficiency technologies. Publicly supported financing mechanisms for individual investment in distributed renewable energies (e.g. solar PV). Support for firms producing building energy efficient technologies. Labelling and standards for building energy efficiency. Facilitation of contracting with Energy Service Companies (ESCOs) for retrofitting. Retraining of traditional economy workers for energy efficiency retrofitting and installation of distributed renewable energy generation systems</td>
</tr>
<tr>
<td>Funding and technical assistance for regionally-located renewable energy R&amp;D Retraining of traditional economy workers for renewable energy production</td>
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Economically sustainable city

<table>
<thead>
<tr>
<th>Classical</th>
<th>Adaptive</th>
<th>Visionary</th>
<th>Renewal</th>
<th>Sharing</th>
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</thead>
<tbody>
<tr>
<td>If your external environment is predictable but you can't change it</td>
<td>If your external environment is unpredictable and you can't change it</td>
<td>If your external environment is predictable and you can change it</td>
<td>Your resources are really limited</td>
<td>If your external environment is unpredictable but you can change it</td>
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<tr>
<td>plan-and-execute approach</td>
<td>the dynamic capabilities approach</td>
<td>blue ocean strategy</td>
<td>value migration</td>
<td>ecosystem-based strategy</td>
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</tbody>
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Be big | Be quick | Be first | Be alive | Be manager

Your Strategy Needs a Strategy: How to Choose and Execute the Right Approach by Martin Reeves, Knut Haanaes, Janmejaya Sinha
Total strategic goals

<table>
<thead>
<tr>
<th>Goals</th>
<th>Key words</th>
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</thead>
<tbody>
<tr>
<td>1 Standard strategy</td>
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<tr>
<td>2 Operational strategy</td>
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<tr>
<td>3 Public opinion survey</td>
<td></td>
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<td>4 Mission statement</td>
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### III. Values vision

**Vision:** fast rapid foresight

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<thead>
<tr>
<th></th>
<th>Nearest future 2020-2023</th>
<th>Middle future 2024-2030</th>
<th>Far future 2031-2040</th>
<th>Black swan</th>
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<tbody>
<tr>
<td>Routing the future</td>
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<td>Foresight the future</td>
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<tr>
<td>Management of the future</td>
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Thank you for your attention!

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