Application of The Singing Tunnels

A. Profile of the Initiative

<table>
<thead>
<tr>
<th>Geographic Region</th>
<th>Western Europe and Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Country/Region</td>
<td>Sweden</td>
</tr>
<tr>
<td>Name of City/Local Authority</td>
<td>Stockholm</td>
</tr>
<tr>
<td>Organization</td>
<td>Traffic Department</td>
</tr>
</tbody>
</table>

Basic City Data

- Population size: 955,397
- Population Growth Rate(%): 1.00
- Surface Area (sq.km): 188,000
- Population Density (people/sq.km): 5577.000
- GDP Per Capita (U.S.$): 59812,000
- GINI Index: 0.32

URL/Webpage of Your City:

URL/Webpage of Your Initiative:

Main source of prosperity (e.g. industry, trade, tourism, creative industry, etc.): Urban planning with art

B. Title and Abstract

For a large integrated initiative, please consider submitting up to three initiatives under the same title. For example, you may wish to submit under “Low-Carbon Urban Development for My City” an initiative on public transport, an initiative on energy efficiency in buildings, and an initiative on use of renewable energy.

<table>
<thead>
<tr>
<th>Title or Tagline of the Initiative</th>
<th>The Singing Tunnels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-title</td>
<td>Urban planning with interactive art</td>
</tr>
<tr>
<td>Start date of the initiative</td>
<td>2015-01-01</td>
</tr>
<tr>
<td>Tentative End Date of the Initiative (if not yet completed)</td>
<td>2018-08-31</td>
</tr>
<tr>
<td>Thematic Areas</td>
<td>Social Technology Others (Please specify): artistic</td>
</tr>
</tbody>
</table>

Abstract/Short description of the innovative initiative being submitted for Award.(150 words max)

When we talk about the smart cities of the future, we often refer to collecting data and syncing with apps and geo position. But can the very buildings and street themselves be smart? Can they interact with us, help us and give us comfort. Can they even be intelligent and learn from us?
The singing tunnels is a system that recognize when someone sing a note. Then the tunnel sings back the same note but with the voice of a beautiful choir. The tunnel becomes a playful, comforting and musical companion. The singing tunnels are also self-learning. They remember all tones that everyone have sung. And sometimes they burst out in a melody, created by all the most common notes. So each tunnel develops it’s own musical dialect, depending on the collective musicality of the local citizens. Stockholm is the first city to include the singing tunnels as a part of the urban planning. During 2016 and 2017, a number of units have been operational in the city and suburbs. Surveys show that people really like these tunnels, And so does the press. The previously hated and nameless tunnels now have a new identity. Now, we offer cities all over the world to take part of this unique idea, an easy and very cost effective way of transforming the most hated urban spaces into beloved, creative meeting points. To start the transformation of our cities with intelligence and music. Singing tunnels is the winner of skapa innovation award, stockholm, nominated for stockholm innovation award, brewhouse innovation award and sweden’s art and business award.

C. Background Information
Describe the legislative or policy framework under which the initiative is taking place, for example, a public policy document at the central or local government level, a policy statement, a covenant, a compact or internationally recognized agreement including, for example, the Sustainable Development Goals, and/or the New Urban Agenda
see above

D. Summary of the Origins of the Initiative
Describe how the initiative came about and what challenges or issues of sustainable development it is meant to address using the following lead questions as your guide. (350 words max)

1. Describe briefly the reason(s) for undertaking the initiative including social, economic, political or cultural challenge(s) or issues confronting the city/region/community. Include where relevant number of people, enterprises or institutions affected.
see above

2. Describe the goals of the initiative in terms of desired change or outcome and timeframe for achieving the change or outcome (for example, change in policy, strategy, business model, technology, means of implementation, financing arrangements, human development and empowerment, measuring and evaluating progress and impact, etc.).
see above

3. Describe whether the innovation involves any partnership (public-public, public-private, public-community, etc.) and if yes, who is or was the leading partner(s), the role they each played and whether other parties have benefited or are benefiting from your innovation and how?
see above
4. Describe the resources used for implementing the initiative, including funding/financing strategy or arrangements and any significant contributions that are not in cash, for example, in human, technical or managerial resources.

see above

E. Summary of the Innovative Aspect(s) of the Initiative
Describe the innovation for the initiative using the following lead questions as a guide. (350 words max)

1. Describe whether the initiative should be considered evolutionary or revolutionary. Evolutionary would imply that innovation evolved over time based on lessons learned from experience and that the changes or outcomes are cumulative. Revolutionary would imply something quite new or something that has been borrowed from elsewhere but never been tried before in the sector or context in question and therefore bears a certain degree of risk. If it’s borrowed from elsewhere, describe what the linkage with the other preceding experiences is.

see above

2. Describe where the innovation is being applied, for example, in policy or strategy; planning, design and implementation; business model or financing arrangement; tools and technology; governance and administration; etc

see above

3. Describe whether there was or are any obstacles or resistance to the innovation and if so, how were/are they being overcome.

see above

F. Summary of the Desired Change or Outcome and how it is being Measured
Describe how the initiative, and in particular the innovation, is or will be making a qualitative and/or quantitative change and how that change or outcome is being measured. (350 words max)

1. What change(s) or outcome(s) have you already achieved or hope to achieve? Please describe the nature of the change(s) or outcome(s) in, for example, improved quality of life; new levels of social, economic or environmental sustainability, including new attitudes and behavior; improved efficiency, effectiveness, accountability or transparency, etc. Please describe the scale of the change, for example, primarily local, regional, national or global and where possible, please quantify the change(s) or outcome(s) being achieved.

see above

2. What indicators or metrics are you using to assess the change? Describe who is doing the measuring, and who is using the measurements and how.

see above

3. Describe any specific tools or methods that were developed or applied to improve the chances to attain the desired outcome or change, for example, new working methods, new data and information, new incentives or disincentives, new means of communication and knowledge, new technology, etc.
4. How does the initiative and its intended changes or outcomes contribute to a new image or reputation for your city or community?

G. Describe what you think other cities can learn from our initiative and what your city/community is prepared to do to further that learning.

Choose any of the above headings or a particular aspect of the initiative that you wish to highlight and that you think best describes the reasons why the innovative aspect(s) of the initiative could be of benefit to improving social, economic and environmental sustainability in cities and regions and, in so doing, to advance the prosperity and quality of life of their citizens. (400 words max)

H. Relevance of the Initiative to the 2030 Agenda for Sustainable Development, Commonly Referred to as the “Sustainable Development Goals” and to the New Urban Agenda.

Please tick the most appropriate boxes and provide a brief description of the relevance of your initiative in relation to the relevant goal(s). Please also refer to the complete text of the Sustainable Development Goals at: www.un.org/sustainabledevelopment/sustainable-development-goals/

I. Descriptive Materials in Annex to the Document

These are materials destined to allow members of the Technical Committee and the Jury to have a better understanding of the context of your initiative which is a very important consideration. Please do not exceed the specifications below; anything that exceeds these specifications may not be availed to the Technical Committee or the Jury. Please provide, where possible and relevant, the following:

◆ Up to 5 press clippings or copies of covers and tables of content of reports published on the initiative.
◆ Up to 5 photos (with titles) that best illustrate the initiative (.jpeg at 300 dpi, 2000 x 2000 px max).
◆ Up to 5 graphics that best illustrate the initiative (300 dpi). These graphics could illustrate for example, trends, ratios or percentages; tools or technologies; etc.
◆ 1 map that best illustrates the physical context of the initiative (300 dpi)
◆ 1 chart that best illustrates the initiative (300 dpi)
◆ 1 technical drawing (300 dpi)

J. Additional material
Any additional material such as videos should be submitted on a DVD/CD or by email to the Secretariat at info@guangzhouaward.org.
Note: Any additional material should be submitted to the Secretariat via email or mailing.
The Guangzhou Award Secretariat
Tel: +86-20-66289390
Fax: +86-20-66289391
Email: info@guangzhouaward.org
Address: 3901-02, Pearl River International Building, 112 Yuehua Lu, Guangzhou, P.R. China