

Application of Nanning model of electric bicycle regulation featuring openness, co- governance and learning-driven

A. Profile of the Initiative

Geographic Region	Asia-Pacific
Country/Region	China
Name of City/Local Authority	Nanning
Organization	Nanning Traffic Police Division, Nanning Foreign Affairs and Overseas Chinese Affairs Office
Title, Name and Position of Person(s) Leading the Initiative	
Basic City Data	
Population size: 7,568,700	
Population Growth Rate(%)0.70	
Surface Area (sq.km): 22112.000	
Population Density (people/sq.km): 342.000	
GDP Per Capita (U.S.\$): 7986.000	
GINI Index: 0.473	
URL/Webpage of Your City:	
URL/Webpage of Your Initiative:	
Main source of prosperity (e.g. industry, trade, tourism, creative industry, etc.):	

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.

Title or Tagline of the Initiative	Nanning model of electric bicycle regulation featuring openness, co- governance and learning-driven
Sub-title	Nanning model of Electric Bicycle Regulation Featuring Openness, Co- governance and Learning-driven
Start date of the initiative	2013-08-01
Tentative End Date of the Initiative (if not yet completed)	2025-01-01
Thematic Areas	Governance/Management

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

In recent years, China experienced the largest and fastest urbanization process in history. The urban traffic pattern went through great changes, and traffic tools became more diversified. Taking Nanning as an example, except for common means of transportation--

buses and private cars, electric bicycles, featuring light weight and flexibility, have become a major choice of the general public with the total trip rate of 36.1%. However, since the road resources are limited, traffic disturbance and safety risks have been a prominent problem. Against the background of large groups of electric bicycle riders, committed to a people-oriented mindset. Nanning adopts management model featuring openness, co-governance and learning-driven management to fully ensure electric bicycle riders' rights. Nanning organizes riders to study traffic safety regulations, improves traffic rules, establishes special lanes, optimizes local regulations and guides delivery enterprises to supervise delivery riders, and has thus successfully achieved positive interaction between learning and law enforcement. By doing so, the city regulates traffic order, reduces traffic accidents, facilitates the modernization of urban governance system as well as its governance capabilities, and shapes Nanning model of electric bicycle regulation, known as "experience of Nanning" .

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

1. *Notice on Enhancing Electric Bicycle Management*
2. *Opinions on Enhancing Road Traffic Safety*
3. *Opinions on Accelerating the Construction of Strategic Highlands of Nanning Inland Open Economy*
4. *Management Regulations on Electric Bicycles and Motorized Wheel Chairs*
5. Nanning Municipal CPC Committee and Nanning People's Government take electric bicycle regulation as an important task in the urban smooth traffic project in planning the overall city governance work.

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.

Nanning is located in the subtropical zone with a mild climate and a small urban area. In recent years, the motorization process in Nanning has been accelerated. With an incomplete public transportation system, people mainly choose electric bicycles due to its low cost and convenience. At present, there are 2.75 million electric bicycles in Nanning. On average, every less than 2 citizens own one electric bicycle, and the per capita possession ranks the

top among the capital cities in our country. However, like many cities at home and abroad, the problem of traffic chaos in electric bicycles remains to be prominent, and accidents related to electric bicycles occur frequently. Since electric bicycle riders do not need driving license and they can drive on the road after purchasing the vehicle. Some of them generally lack understanding of traffic safety and traffic regulations. Faced with the dual test of the rigid demand for citizens to go around and maintaining the safety of the city, Nanning has not simply adopted a “forbidden” or “limited” management model considering its respect for citizens’ transportation choices, but actively explored new model featuring openness, co- governance and learning-driven management, thus, achieving positive social effects.

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.).

The electric bicycle regulation program aims to protect electric bicycle riders’ right to equally participate in traffic activities, regulate electric bicycle traffic order and prevent and reduce traffic accidents related to electric bicycles. The measures include:

1. The municipal government invested more than 208.9 million yuan to register 1.08 million electric bicycles for free, allowing electric bicycles with license plates on to drive on the road, thus incorporating electric bicycles into standard management.
2. The urban planning and construction departments take the lead and ensure electric bicycle riders’ rights to use the road by formulating preliminary road construction plans and designating special lanes.
3. The traffic police organize electric bicycle riders to participate in traffic safety learning to improve traffic safety facilities, strictly enforce law enforcement measures, correct traffic violations, and eliminate potential safety hazards.
- 4.

The Municipal People's Congress organized local legislation and issued the Nanning Road Traffic Safety Regulations to provide legal protection for strengthening the safety management of electric bicycles.

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?

1. The Municipal People’ s Congress formulates local regulations to provide legislation support for electric bicycle management.
2. The Municipal People’ s Government guides the registration of electric bicycles and ensures reasonable growth of electric bicycles.
3. The Headquarters of Clean and Orderly Action for a Beautiful Nanning (the deliberation and coordination agency) coordinates the parking of electric bicycle parking berths and set

up traffic safety learning points for electric bicycle driver.

4. The publicity department of the Municipal Party Committee organizes the media to carry out publicity activities to help people understand and support electric bicycle management.

5. The Municipal Bureau of Industry and Information Technology supervises the manufacturing companies to comply with relevant laws and regulations.

6. The Traffic Police Division carries out electric bicycle registration and organizes riders to participate in traffic safety learning to promote the regulation of good traffic order.

7. The Municipal Industrial and Commercial Bureau investigates and handles the sales of unqualified electric bicycles.

8. The Municipal Bureau of Quality Supervision investigates and handles unauthorized manufacturing and sales of electric bicycles.

9. Nanning Insurance Association guides riders to buy commercial insurance for electric bicycles.

10. The Municipal Credit Office incorporates traffic violations of electric bicycles into credit management.

11. Meituan Group formulates regulations to request their riders to follow traffic rules.

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.

Governmental resources include: the Municipal People's Congress, the Municipal People's Government, the Headquarters of Clean and Orderly Action for a Beautiful Nanning, the publicity department of the Municipal Party Committee, the Municipal Bureau of Industry and Information Technology, the Municipal Traffic Police Division, the Municipal Industrial and Commercial Bureau, the Municipal Bureau of Quality Supervision and the Municipal Credit Office.

Social resources include: Nanning Insurance Association, Meituan Group

Capital used: 20.89 million yuan of fiscal fund

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.

This program is both progressive and innovative. In the implementation of the management model featuring openness, co-governance and learning-driven management, it

is mainly divided into three stages. First stage Registration. Nanning registered all electric bicycles to guide its reasonable growth. After the registration, Nanning began to strictly check traffic violations by electric bicycles and attempted to regulate traffic order through strict management. Second stage, Innovation Management. The traffic police found that most riders frequently violated traffic rules, and the reason for such phenomena was that they lacked understanding of traffic safety awareness and traffic regulations, and that the cost for the violation was too low to deter them. Nanning then decided to make a breakthrough by improving riders' traffic safety awareness and organized traffic violators to participate in traffic safety learning. Third stage, Consolidation and Upgrading. Five learning models have been developed during the traffic safety learning, namely learning before registration, learning by watching videos, learning by transcribing traffic rules, learning by listening to on-site explanation and learning by performing police duty. At present, Nanning has organized 6 million people to participate in traffic safety learning, and each rider has more than two study experiences. The learning has significantly improved riders' traffic safety awareness.

The innovation is based on some cities' experience of electric bicycles management. There are two ways to regulate electric bicycles at home nowadays, one is banning or restricting electric bicycles on the road and the other one is following the principle of laissez-faire. Nanning aims to both meet people's transportation ends and ensure a safe and good traffic order. Therefore, it goes beyond the traditional laissez-faire or banning solutions, strives to meet people's needs and focuses on traffic safety learning. At the same time, the city grants electric bicycles legal identities, ensures electric bicycle riders' rights, improves the traffic rules, pushes forward delivery discipline development, cracks down on electric bicycle crimes and carries out credit management, and thus has formed a "Nanning model" featuring openness, co-governance and learning-driven management.

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

The innovation is mainly applied to urban traffic governance. With the "Nanning model" featuring openness, co-governance and learning-driven management, electric bicycle riders' right to equally participate in traffic activities is guaranteed, the number of traffic accidents related to electric bicycles is reduced, and harmonious and stable urban traffic development is achieved.

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

During the program, Nanning has encountered two troubles, the varied quality of electric bicycles and a lack of legal basis for organizing the traffic safety learning. Nanning mainly

adopts the following measures: On one hand, Nanning uses the Guangxi Provincial List for Electric Bicycle Registration to regulate the admittance standard and reduce the pressure on road traffic management; on the other, Nanning urges local legislation bodies to formulate the Nanning Road Traffic Safety Regulations to provide legal basis for the traffic safety learning.

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.

With continuous electric bicycle regulation, Nanning's urban traffic management has achieved remarkable results: First, the number of traffic accidents decreased year by year. In 2015, 2016 and 2017, the number of deaths in accidents in every 10000 electric bicycles was 3.29, 3.26 and 2.18 respectively. While the number of electric bicycles increased rapidly, urban traffic safety improved. Second, the number of traffic violations has shrunk. Traffic violations by electric bicycles in main roads were reduced by over 60%, and over 95% of electric bicycles abide by the law. Third, the public's sense of security and satisfaction improved. Over 95% of the public show support to electric bicycle regulation, and the public's sense of security and satisfaction about the police department improved steadily. In 2017, 92.61% of the citizens in Nanning felt secure, 3.03% higher than in 2016. Since 2016, the Traffic Management Bureau of the Ministry of Public Security, the People's Government of Guangxi and the Department of Public Security of Guangxi have convened 4 meetings in Nanning to promote Nanning's electric bicycle regulation experience featuring openness, co-governance and learning-driven management, and delegations from over 160 cities home and abroad have visited Nanning to learn electric bicycle management.

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.

According to the State Council's Outline for Promoting Law-based Administration on All-round Way, Nanning Traffic Police Department commissioned Guangxi Police College as a third-party assessing authority. Guangxi Policy College carried out an assessment on the effect and social impact of Nanning's electric bicycle management policies and the

rationality, feasibility and controllability of the policies through data collection, statistical analysis and expert argumentation. The assessment indicates that this program has regulated electric bicycle regulation, effectively improved road traffic order, markedly reduced accidents, ensured people's life and property security and won people's recognition.

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.

First, Nanning provides mobile phone service, App service and appointed registration service to aid the public to apply for electric bicycle licenses. Second, Nanning improves riders' traffic safety awareness with five learning models, namely learning before registration, learning by watching videos, learning by transcribing traffic rules, learning by listening to on-site explanation and learning by performing police duty. Third, Nanning designates special lanes for electric bicycles and adopts an impoundment-style traffic release model to avoid traffic mix. Fourth, in view that many delivery riders violate the traffic rules to deliver the take-away food in time, Nanning government cooperates with take-away delivery enterprises and urge them to enhance internal management of delivery riders. Fifth, Nanning carries out a special operation to crack down on crimes related to electric bicycles, and develops the online booty restoration platform and the Earthnet-smart electric bicycle anti-theft system to provide technical support. Sixth, Nanning incorporates traffic violations by electric bicycles into the credit management system and uses credit management measures to promote law-abiding driving.

4. How does the initiative and its intended changes or outcomes contribute to a new image or reputation for your city or community?

In recent years, Nanning has won the UN Habitat Scroll of Honor Award, China Habitat Environment Prize, three National Chang'an Awards for Comprehensive Governance and four consecutive National Civilized City titles. The electric bicycle management program has made great contribution to regulating urban traffic order, and laid the foundation for winning the awards. Delegations from over 160 cities all spoke highly of Nanning's electric bicycle regulation program. CCTV, Xinhua News Agency, People's Daily, Legal Daily and Science and Technology Daily all reported and promoted Nanning's practice and praised Nanning Traffic Police for exploring a new path for electric bicycle management.

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)

From this program, other cities can learn that: first, Nanning sticks to the people-oriented development idea that safeguards citizens' right to equally participate in transportation; second, Nanning adheres to innovative strategies that aims to improve the urban governance greatly through reform.; third, Nanning follow the principles of comprehensive implementation and governance by the community, guiding enterprises and citizens to participate in the governance of electric bicycles. fourth, Nanning applies the law-based governance idea that studies the measures to manage electric bicycles within the legal framework and implements the rule of law in every step of electric bicycle management; fifth, Nanning sticks to long-term normalized management, abandons the traditional "movement-style" governance model, the "sweeping" law enforcement approach and the "one stroke" management model, and promotes the development of law-abiding habits.

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/

Goal 11: Make cities and human settlements inclusive, safe, resilient and sustainable
Target 2: Access to safe, affordable, accessible and sustainable transport systems for all

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 available 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.

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