



ANNUAL REPORT

2011



For the Period of Jan - Dec 2011



CANN is the Country Network of CAI-Asia
www.cleanairinitiative.org



CANN is hosted by Clean Energy Nepal
www.cen.org.np

1. Introduction

Clean Air Network Nepal (CANN) has accomplished different programs and activities relating to air quality and sustainable urban transport issues this year. CANN was able to bring wider stakeholders together to discuss on sustainable urban transport issues in Kathmandu. Mean while, NMT Campaign focused in ensuring safer roads for pedestrians and demanding for bicycle lanes in the valley was among the highlights. CANN in its third round of exchange of Clean Air and Blue Skies Asia sent one participant to Sri Lanka and received a participant from Indonesia to work for air quality and sustainable transport sector. Releasing several publications this year, it has continued to play key role in information dissemination.

This report briefly highlights various activities carried out during the year. It highlights various activities of Clean Air Network Nepal, which covers the period from Jan- Dec 2011 to meet its goals and objectives.

2. Report on Activities

2.1 FK Exchange Program

FK Exchange is a young professional exchange program funded by Fredskorpset Norway. The exchange program “Clean Air and Blue Skies Asia’ is managed by CAI-Asia. There are six countries participating in the exchange namely Hong Kong, Indonesia, Nepal, Philippines, Sri Lanka and Vietnam.

Objective- To improve the air quality in Asian cities and countries by:

- Strengthening the capacity of institutions involved in AQM in Asia
- Sharing know-how and resources on AQM and environmentally sustainable transport among Asian cities and countries
- Building and strengthening relationships between institutions involved in AQM in different Asian countries
- Upgrading skills of young professionals in the field of air quality management and the promotion of environmentally sustainable transport
- Developing ability of young professionals and organizations to use benchmarking tools developed by CAI-Asia Center

Partners-

- Clean Air Initiative for Asian Cities Center ([Philippines](#))
- Clean Air Network [Nepal](#)
- Clean Air [Sri Lanka](#)
- [Hong Kong](#) Polytechnic University
- KPBB, [Indonesia](#)
- [Vietnam](#) Association for the Conservation of Nature and the Environment

FK Mid-Term Review and Planning Meeting

Apr 18-20, 2011

Ms. Anjila Manandhar, Network Coordinator, CANN participated in the FK Mid-term review (Phase 3) and Planning meeting Phase 4 of the “Clean Air and Blue Skies Asia” young professionals exchange program. The meeting took place from Apr 18 to 20, 2011 in Jakarta, Indonesia.

The meeting reviewed the Phase 3 activities among the partners on the first day. The following days were more on planning for the Phase 4: setting up the objectives, planning tasks of the participants, their follow up activities and matching participants to country.



Six participants from six countries participated in the Phase 3 of the Exchange Program.

Debriefing meeting: Phase 3

Sep 29-30, 2011

The FK Homecoming Seminar (debriefing) was held in Bangkok, Thailand on Sep (29-30), 2011. About 22 exchange participants from 5 different projects and respective project partners participated in this meeting. This meeting intends to share experience and achievements of the posting period in host



country, both at the participant and the organizational level. Recommendations are also given for the improvement of the respective projects for the next phase if applicable.

Ms. Amita Thapa Magar and Mr. Prashanta Khanal participated in the debriefing meeting as participants. They actively participated in all the sessions of the meeting and share their exchange experiences and

acquired knowledge and skills during the stay in their host countries, Philippines and Indonesia respectively. Ms. Magar, the alumni participant did a presentation to the new batch of exchange participants to share her exchange experiences: both professional and personal achievements and give an insight to the posting period so as to help better prepare them to settle in a new environment.

Meanwhile, Ms. Anjila Manadhar participated in the Debriefing Meeting representing CANN. The partners of the project shared about their achievements and challenges of the exchange program.

CANN in FK Exchange Phase 4

Oct 2011

CANN is participating in the 4th phase of the FK Exchange Program.

In this professional exchange program, Nepal has received one participant from Indonesia and sent one to Sri Lanka. Mr. Zaim Fachmi Andrianto represents KPBB (Indonesia) and is based in

Clean Air Network Nepal secretariat office Clean Energy Nepal, Kathmandu while Ms. Kriti Shrestha is currently based in University of Moratuwa, Colombo for her assignment.



All the participants had an intensive three weeks Preparatory Course (Oct 1- Oct 20, 2011) at the Asian Institute of Technology (AIT), Bangkok before departing to their respective host countries for a period of 10 months.

2.2 CANN Advisory Board Meeting

May 19, 2011

CANN advisory board meeting was organized on May 19, 2011 to update current and proposed activities and discuss CANN strategy. CANN prepared five-year strategy prioritizing its work on strengthening public transport system and promotion of Non-Motorized Transport in Nepal. Board suggested drafting a three-year strategy instead of five years and inclusion of co-benefits of air pollution and climate change in the strategy. The board meeting was very helpful in directing CANN achieve its future plans.

2.3 Teachers' Training on Air Pollution Tool Kit

May 30, 2011

With the aim of increasing awareness on air quality issues in Nepal, a teacher's training session was conducted in celebration of the World Environment Day 2011. This activity focused on environmental science teachers of grades 7 to 9 from at least 10 schools in Kathmandu city.



The Air Pollution Teaching toolkit a publication of CEN and Clean Air Network Nepal (CANN) was used for the training. This resource material provides teachers and educators with easy to use lesson plans, engaging activities, and other resources that can teach students about air pollution, changing climate, and health effects of pollutants.

2.4 Eco Football Match

June 5, 2011

CANN supported the 3rd edition of Eco Football Match, Eco Football 2011 with the theme of "Goal Against Climate Change" which was organized successfully on June 5, 2011 in the Chyasal Football Ground, Lalitpur to mark the World Environment Day. The two teams competed in the friendly match where Team Environment comprised of Environmentalists and Entrepreneurs whereas Team Green comprised of Celebrities, Public Figure and Artists. A Musical Parade was observed during the program which was performed by the school students. The students also delivered their environmental messages in the program.



2.5 Collection of Transport and Energy Data in Nepal

Jul-Nov, 2011

CANN was involved in undertaking a **Collection of Transport and Energy Data in Nepal** with support from CAI-Asia in connection with a project funded by the World Bank – Knowledge Partnership for measuring Air Pollution and GHG Emissions in Asia Project. CANN collected energy and transport data in Nepal and input the collected data using the Transport and Energy Calculation Tools prepared by CAI-Asia. This project aims to provide stakeholders in Asia with credible air pollutant and GHG emissions information from energy and transport sectors.

2.6 Walkability in Pokhara

Walkability Training in Pokhara

Sep 21, 2011

CEN and CANN conducted training to Walkability Ambassadors in Pokhara consistent with its aim to improving the pedestrian infrastructures and services in Nepal; CEN/CANN in coordination with LI BIRD has produced another set of Walkability Ambassadors in Pokhara last 21 Sep 2011. Around fifteen volunteers consisting of students, youths and Pokhara Sub Metropolitan City personnel attended the Walkability training held in LI BIRD office Pokhara to collect data about the city's pedestrian environment.



The training provided the trainees with an overview on air quality management challenges in Nepal particularly in cities and the detailed methodology on how to perform the walkability survey. The training also shared the results of the walkability project in Kathmandu & Bhaktapur.

Walkability Survey in Pokhara

Sep 2011

A walkability survey was conducted in Pokhara on September 2011. Five areas namely commercial, residential, educational, public transport and Lake Side were surveyed for the purpose.

The overarching goal of the project is to improve pedestrian's safety and mobility and promote walking as a sustainable transport. About 200 pedestrians were interviewed to analyze travel behavior (time that pedestrians spend for each travel mode), pedestrian preference in terms of infrastructures, degrees of exposure to air pollution and socioeconomic profiles. Field survey forms were collected to examine road stretches around the city that includes availability of walking paths, motorist behavior, amenities, obstructions, and security from crime, among others.



2.7 NMT Campaign

In response to the Side Walk destructions led by the Metropolitan Traffic Police Division (MTPD) in the valley, CANN initiated the campaign for NMT rights. Pedestrians Count and perception of the survey results along with concrete recommendations to ensure pedestrians rights were circulated to media. The letter was also submitted to Prime Minister's office (<https://walkeasyktm.wordpress.com/page/8/>) and all relevant traffic and transport stakeholders. MTPD later informed & committed to manage all the destroyed side-walks. CANN also released a statement of concern over side walk demolition in Kathmandu.



In this regard, CANN held a series of meeting with relevant government agencies, departments to draw their attention and seeking for their commitment for pedestrians' safety issue.

Pedestrian Count and Perception Survey

A survey carried out by Clean Air Network Nepal- Clean Energy Nepal revealed that hundreds of pedestrians are affected directly by the side walk demolition in a road widening campaign led by Metropolitan Traffic Police Division (MTPD). The survey showed that about 882 pedestrians per hour are directly affected in Naag Pokhari area alone.

The Pedestrian count surveys were carried out simultaneously in Lainchour, Naag Pokhari and Putalisadak area where the sidewalks were demolished. The survey showed that Lainchour has the highest flow of pedestrians of 2010 in an hour while Naag Pokhari and Putalisadak recorded a flow of 882 and 690 pedestrians respectively. The figure clearly represented the inconvenience brought to large

number of people who walk along that stretch. The pedestrians also expressed their discontent over the footpath destruction and slackness in maintaining the destroyed one during the perception survey.

Radio Interview

Ms. Anjila Manandhar and Ms. Amita Thapa Magar were featured as guest speaker in a Radio Interview at Ujyaalo 90 Network. They discussed about Pedestrians' safety issues in response to side walk destruction in the valley. They also shared about the Walkability studies of Kathmandu and emphasized how good pedestrian infrastructure and services could add to the sustainable urban mobility. You can hear the interview: <http://soundcloud.com/amitathapamagar/sadak-ra-sawari-2068-07-28>

2.8 Public Transport Users' Survey

Nov 2011

CANN conducted Public Transport User's Survey in Kathmandu. The objective of the survey is to document Public Transport conditions and identify the need and expectations of people towards public transport.

An orientation program was arranged for the participating student volunteers for the survey. 14 University students did the perception survey to collect 420 numbers of responses. Public perception is one of the component of the survey, the other two being Traffic Vehicle Count and Vehicle Occupancy survey. The latter two will be conducted in first quarter of 2012.

Online survey was also done in tandem with the field survey (https://docs.google.com/a/cai-asia.org/spreadsheet/viewform?hl=en_US&formkey=dHEXR1ZnQ0RwVi13S0VzSnhBZVVJaWc6MQ#gid=0)

2.9 Kathmandu Sustainable Urban Transport Forum

Dec 16, 2011

CEN and CANN in collaboration with Ministry of Physical Planning and Works (MoPPW) organized "Kathmandu Sustainable Urban Transport Forum" to inform and sensitize stakeholders on sustainable urban transportation, share approaches and initiatives, forge collaboration and enhance coordination among governmental,



non-governmental and private sectors working on urban transportation. Around 55 stakeholders from

different agencies, non-governmental organizations, private sectors, transport associations, academia and media attended the program.

During the program, the presenters talked about the concept/elements of sustainable urban transportation, initiatives, program, policies of government, best practices around the world and challenges to improve the urban transport in Kathmandu valley. The wider issues of the urban transport including necessitate, challenges and opportunities were discussed during the panel discussion. The forum participants stressed the need of continued dialogue and coordination among the stakeholders, and the initiation of small-scale interventions to leap forward to large-scale implementation. The program urged for a roadmap to SUT in Kathmandu through coordination of the entire stakeholder.

3. Communication and Publicity

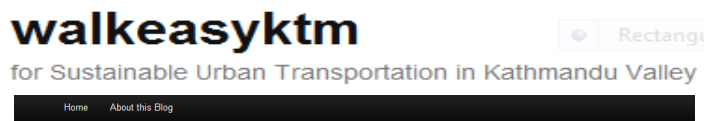
3.1 Clean Air News

A monthly E-newsletter named “Clean Air News” is being published by CANN which aims to disseminate information and news on air pollution issues and sustainable urban transport system initiatives for Air Quality Management. The relevant news from local as well as global scale is being shared among the subscribers. The newsletter is issued to more than 3000 subscribers. The main objective of the publication is to make people aware about the current issues and initiatives in Air Quality Management.



CANN released 10 issues of Clean Air News in 2011: Volume 5, Issue 11 (as of December).

3.2 Walk Easy Kathmandu: Rolling the transport blog



Posted on October 21, 2011

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A Workshop On “Nepal’s Economy and Electric Vehicles: National Transportation Policy” Held

CANN initiated a blog to capture latest news on transport and related happenings. The walkeasyktm.wordpress.com is an online resource site for sustainable urban transport news, articles, blogs, research and also best practices or solutions from around Nepal especially Kathmandu valley. This is created to

help, share and connect writers, transport specialists, entrepreneurs, urban planners, researchers, environmentalist and students on the issues of sustainable urban transportation to make cities cleaner and livable.

Visit our blog: <https://walkeasyktm.wordpress.com/>

3.3. Publications

Air Pollution Teaching Tool Kit

The Air Pollution Teaching toolkit a publication of CEN and Clean Air Network Nepal (CANN) is used for trainings. This resource material provides teachers and educators with easy to use lesson plans, engaging activities, and other resources that can teach students about air pollution, changing climate, and health effects of pollutants.



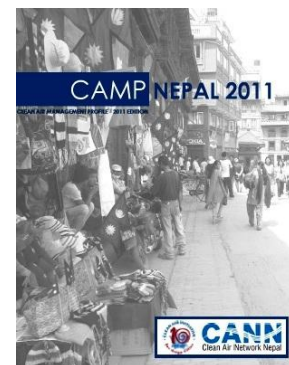
Bus Rapid Transit (BRT): A Way to the Sustainable Urban Transport in Nepal

A briefing paper on Bus Rapid Transit (BRT) was prepared by Mr. Prashanta Khanal, who worked with KPBB, Indonesia for 10 months as part of FK Exchange program. The paper was disseminated during the Kathmandu Sustainable Urban Transport Forum. The briefing paper provides an overview BRT and addresses the need of BRT in cities and identifies BRT as a way to sustainable urban transport system in Nepal.



Clean Air Management Profile (CAMP) Nepal

The CAMPs are country reports which provide a comprehensive overview of the state of the air quality management and climate change mitigation in selected Asian countries. CAMP Nepal forms part of 10 CAMPs (Bangladesh, China, India, Indonesia, Nepal, Pakistan, Sri Lanka, Philippines, Thailand, and Vietnam). CAMP Nepal is currently under review by the local experts and will be published in 2012.



An Overview of Source Apportionment

A fact sheet on overview of source apportionment has been prepared in order to disseminate information regarding the information about the topic. It states the need of source apportionment for air quality management. It also comprises the state of such studies in Asian cities and how important it could prove especially for developing cities.

To download Publications and proceedings, [Click here](#)

4. Partnership and Networking

During the year, CANN was successful in expanding the network activities in Pokhara and also build rapport with other organizations in Kathmandu.

Outreach in 2011: Department of Roads, Department of Transport Management, Electric Vehicle Association of Nepal, ENPHO, Fredskorpset-Norway, Kathmandu Cycle City 2020, Kathmandu Metropolitan City, LI BIRD, Metropolitan Traffic Police Division, Ministry of Environment, Ministry of Labour and Transport Management, Ministry of Physical Planning and Works, Nepalese Youth for Climate Action, Pokhara Sub- Metropolitan City, Ujyaalo 90 Network, WINROCK International Nepal

Way Ahead

CANN has devised its 3-year strategy with specific focus on Sustainable Urban Transportation, particularly Non Motorized Transport system and strengthening Public Transport System in Nepal. CANN will work closely with all its stakeholders and network partners in improving air quality of Kathmandu through continued advocacy and policy dialogues with concerned authorities.

Clean Air Network Nepal a network of individuals, experts, national and international non-governmental organizations, governmental organizations and private sectors involved in Clean Air activities. CANN is the country network of Clean Air Initiative for Asian Cities (CAI-Asia) in Nepal and is hosted by the Clean Energy Nepal.

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