Applied Research Partnerships with Developing and Transition Countries
Swiss Universities of Applied Sciences and Universities of Teacher Education

Foto: Daniel Pittet

Project title

Renaissance of Havana's Arterias; Cuba

Thematic focus

study to increase the bus network and corridor productivity

Year

09-10

Project location

La Habana/Cuba

Swiss Institution

Prof.R.Müller | P.Hotz HSR/IRAP www.hsr.ch
r.mueller@hsr.ch | hotz68@bluewin.ch

Partner Institution

Jessie Madrazo B. Ing.Civil VIAL/CUJAE
Jessie@civil.cujae.edu.cu www.cujae.edu.cu
joiselen@arquitectura.cujae.edu.cu

Description

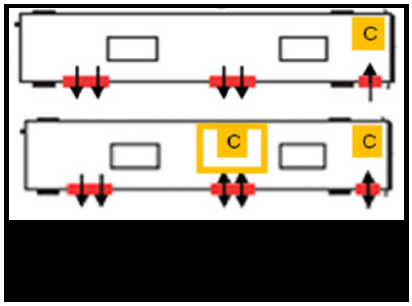
• preliminary study to increase the bus network and corridor productivity; improvement of pedestrians' accessibility and enhancement of security at bus stops …
… in harmony with urban developments and environmental requirements
• methodology / information for improved involvement of decision makers
• further development of methodology “Sensitivity maps and Mapping”
• development of measures related to low-cost culture
• further step to implement mobility targets as formulated in SeDUT

• methodological and expert support in the diagnosis and drafting / preparation of strategies and measures related to solutions in corridors with high requirements BUS/MIV/NMIV with framework of overall mobility
• continuation of cooperation HSR/CUJAE with increased involvement of local stakeholders (pilot study main street Cotorro/ master diploma thesis of JMB assisted by us);
• support of training for engineers and architects(tutors of doctor-tesis-works)

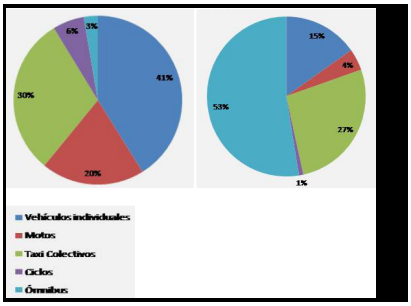
Development relevance

• catalog of measures of concrete improvements to improve operation of bus > garantie of mobility > better productivity > less costs
• methods of expert and building / organizational implementation
• stepping up of interdisciplinary approach (urban development – transport & traffic – environment

– implementation
• stepping up of interdisciplinary approach (urban development – transport & traffic – environment – implementation)
• improved decision-making culture with declining resources (staff and finances)



organisation of bus-stops today and tomorrow



modal-split of movements and vehicles

KFH
Rektorenkonferenz der Fachhochschulen der Schweiz
Conférence des Recteurs des Hautes Ecoles Spécialisées Suisses
Conferenza dei Rettori delle Scuole Universitarie Professionali Svizzere
Rectors' Conference of the Swiss Universities of Applied Sciences

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Agency for Development and Cooperation SDC

Main features of the project

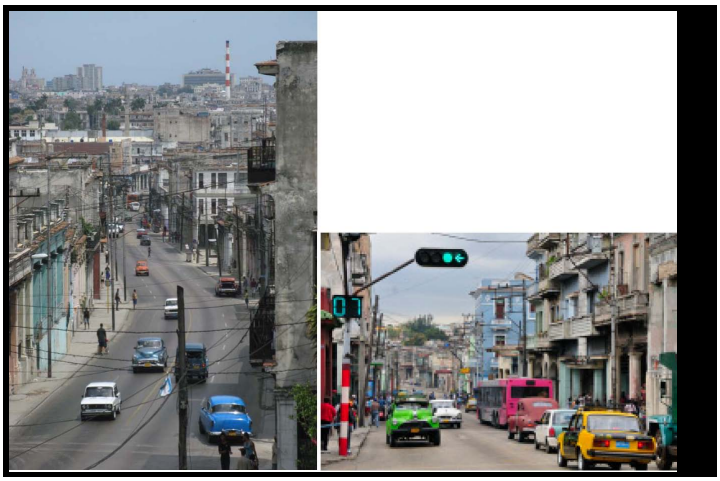
Having a good collective transport helps the development of the cities and contributes to fulfil their economic, environmental and social purposes without increasing air pollution and fuel consumption. Collective transport also makes the urban centres more attractive and reduces the cause of many inhabitants' diseases.The project « Renaissance of Havana's urban arteries » has been developed on the base of such considerations.

This project promotes an interdisciplinary work with experts in transport, urbanism and environment belonging to several institutions and departments specialised in traffic planning as in urban and territorial planning. The project's purpose is to study the urban public transport systems in Havana in order to propose measures for increasing its efficiency and for improving the pedestrian accessibility to the bus / bus stops taking in account the urban development and the environmental requirements. During the first step the focus has been put on the main street Diez de Octubre as a study case. The project's structure included the organisation of two workshops, the last one in May 2010, which collected the criteria discussed by the invited specialists about the proposed measures. These ones have been grouped in three major concepts defined as a work strategy.

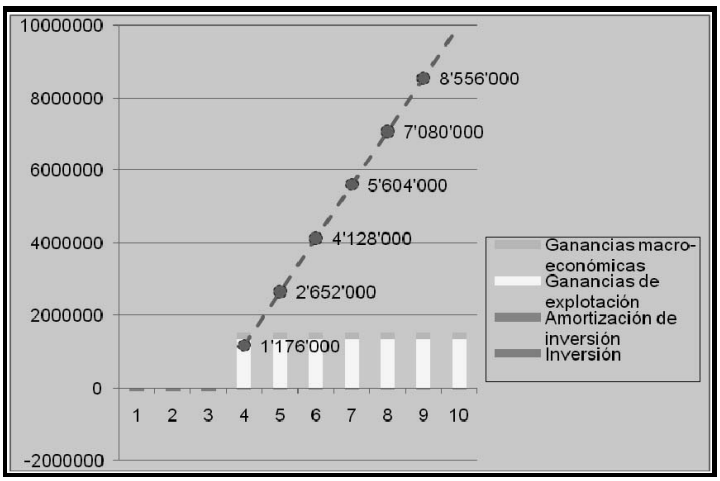
We moved forward until the publication of this document a preliminary project which needs to be deeper analyzed in the future steps, especially regarding the consequences of the proposed measures and the possibilities to put themselves into practise. The evaluation of these points will be completed in a technical feasibility study based on pondered parameters issued during the workshop II.

see informe II

http://www.metron.ch/download/informeIIfinal100826.pdf



meanwhile the bachelor D. Litscher has finished his tesis at HSR
see link http://www.metron.ch/download/AusstellungsplakatNEU.pdf



profilability in one corridor of Havanna