Sustainable Urban Development in Lviv: Challenges and Solutions

Stockholm, May 21, 2010

Vasyl Kosiv
Deputy-Mayor, Lviv City Council
70 km to Poland

560 km to Kyiv

Daily flights to Warsaw, Vienna, Munich, Timisoara, Moscow …
800,000 people

Old City Center

On the UNESCO World Heritage list since 1998
During the last 100 years in 5 states

Austrian
Polish
German
Soviet
Ukrainian
Population change

1939 300,000
1949 10% survived
1989 900,000
2009 800,000
Message about Soviet Era as the best time for Lviv

Three days in the city guide-book
First day in Lviv

Lvov строится, молодеет
Lvov is growing bigger and younger

Студенческий трудовой семестр
Student's industrial semester

герой Социалистического Труда
Heroes of Socialist Labour

M. I. Mitigan, Ye. I. Ryaskina, A. Ye. Fau
Second Day in Lviv
Third day in Lviv
Challenges of today

District Heating
dependence from natural gas
loosing heat through foresides and flat
roofs of residential buildings

Waste water
old sewage system
districts with cesspools

Transport
mini-buses: traffic jam and pollution
barriers for people with special needs

Solid Waste
No waste separation
The city’s old polygon is now full
Reduction of energy consumption by 20% in 10 years.
Old Tram Depo

First Power Station since 1895

Almost not used any more
Old Tram Depo
Renovation design proposal
Green Depot

Energy Sources

• Solar panels on roofs
• A windmill
• Stream power of “Soroka” river running underground
• Heat of waste water running from south to north of the city
• Example of biogas production from waste water
Green Depot

Platform for Collaboration

• Public education center
• Secondary school science club
• Polytechnic University research and testing laboratory
• Green technology science park
• Business incubator
• Museum of technology
Historical City Center
Green Areas
Pilot project for bicycle infrastructure

First stage
Pilot project for bicycle infrastructure

Second stage
Sustainable development for Lviv

Renovation and development of the old city to make it comfortable today and to preserve it for the future
“Municipal development and rehabilitation in the Old City of Lviv”

2009-2012

Budget
4 Mill Euro
from German Federal Ministry for Economic Cooperation and Development

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Municipal development and rehabilitation in the Old City of Lviv

Around 90% off all housing stock is owned privately (with no ownership organisation)

Missing instruments for urban renewal

In 70% of all historic buildings no rehabilitation realised; danger of deterioration

Low economic development
Municipal development and rehabilitation in the Old City of Lviv plans

Development of Instruments for careful rehabilitation of the city

Awareness raising for careful restoration of buildings

Supporting condominiums (house owner organizations)

Training of workmen, architects, through sample projects

Support to energy-efficient renovation technologies

Balancing social, economical and ecological aspects
Lviv as a host-city of EURO-2012 football championship
EURO-2012
Football

Sport centers

Housing and recreation

1mln sq. m. office space

Shopping area
thank you for your attention

welcome to Lviv!