Inter-regional Workshop on Energy Efficiency Investment Projects Pipeline

United Nations Economic and Social Commission for Asia and the Pacific (ESCAP)

United Nations Economic Commission for Europe (UNECE)

ALBANIA

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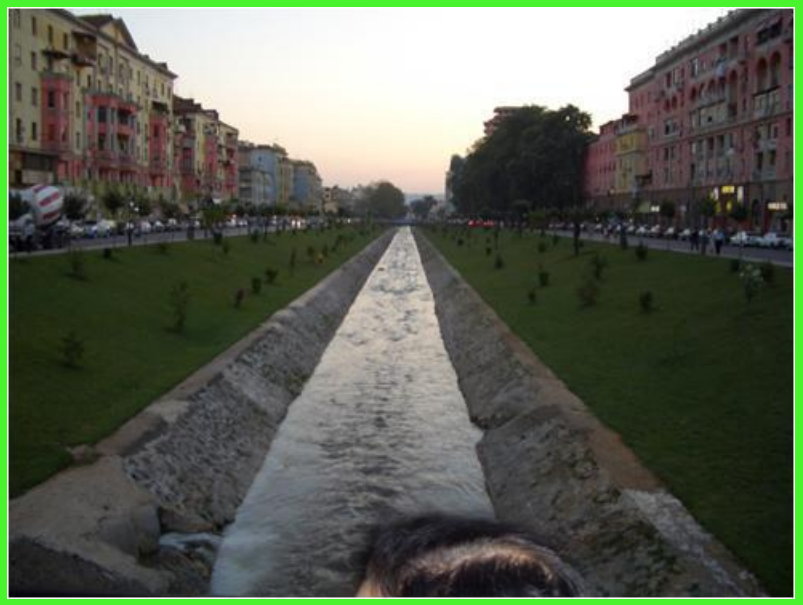
Background Albania

- **Population:** 3.2 Million people
- **Area:** 28 750km^2
- **Natural resources:** water, oil, chromium, cupper,
- biomass, lignite, stone, solar, wind



GDP: 60 % services

19 % industry

21 % agriculture

Gross energy consumption: 2014 Ktoe

Final energy consumption: 1817 Ktoe

Albania Energy Consumption

Energy used:

Electricity: 1628 MW HPPs, 98 MW TPP and import

Heat: biomass (wood), electricity, LPG(no gas)

Transport: refined petroleum products

Domestic and import

Consumption by sectors:

Transport – 40 %

Households and services – 36 %

Industry – 17 %

Building Sector – public, households and services

Building stock – does not exist

Data on buildings – **National statistics office** (households + construction sector)

Efficiency Buildings in Albania

- **National statistics**

❖ **buildings in overall** (residential, services and public) – 1,075,881

❖ 54/46 % - urban/rural
❖ 10 % not in use
❖ 15% seasonally used
❖ 48 % older than 30 yrs (15 % are 50 +)

- **Energy savings** potential per sector (EES 20012):

– Transport – 10 %
– **Buildings – 30 %**
– Services – 20 %
– Industry – 15 %

- **Assuming cost effective measures**:

➢ walls and roof insulation
➢ EE lighting
➢ RES for households/heating system

Main institutions in EE policy field

Government of the Republic of Albania

Ministry of Energy and Industry, Energy department

National Agency of Natural Resources of the Republic of Albania

Municipalities

CURRENT FINANCIAL STATUS

- Energy Efficiency fond does not exist yet.
- The ESCO concept is not a reality yet.
- Undeveloped EE services and financing mechanisms under the energy saving performance contracting (ESPC).
- Only construction companies, design institutes and energy consultants are providing the basic lines of EE services.
- Lack of wide range of EE service providers as well as lack of financial resources.
- Projects

- **KfW project (2012 - 2014)**
- 6 million € - 1 Student City edu buildings

- **IPA project (MEI 2011-2014)**
- 1.6 million € - 10 buildings (9 edu + 1 public)

FEATURES AND CHALLENGES

- High energy intensity due to inefficient generation and transmission processes, old buildings, not end- use energy efficiently consumption;
- Gradually increasing electricity tariffs;
- Not implementation in place of the EE law;
- Institutional and capacity building to be performs;