



Полноправные люди.  
Устойчивые страны.



GLOBAL ENVIRONMENT FACILITY  
INVESTING IN OUR PLANET

# Transforming the Market for Efficient Lighting

## Project UNDP-GEF/Ministry of Energy RF

**Anatoly Shevchenko**  
**Project manager**

**UNDP in cooperation with the government implements in the Russian Federation the project aimed at improvement of energy efficiency in lighting to achieve the existing 40% potential of energy saving**

**The project has been implemented since 2009**

**Project budget is 7 020 000 USD (GEF grant)**

**Objectives:**

- **Standards and legislation;**
- **Pilot projects in public sector (street lighting and lighting of schools);**
- **Testing laboratories;**
- **Market monitoring and promoting public awareness.**

## **Package of regulatory documents to phase out inefficient lighting :**

Regulation of state procurements - ban on CFLs, mercury lamps, luminescent lamps with  $Ra < 80$ , electromagnetic ballasts (adopted in 2015).

Minimal Energy Performance Standards (MEPS) for lighting products at the national market (the document is being considered by the government).

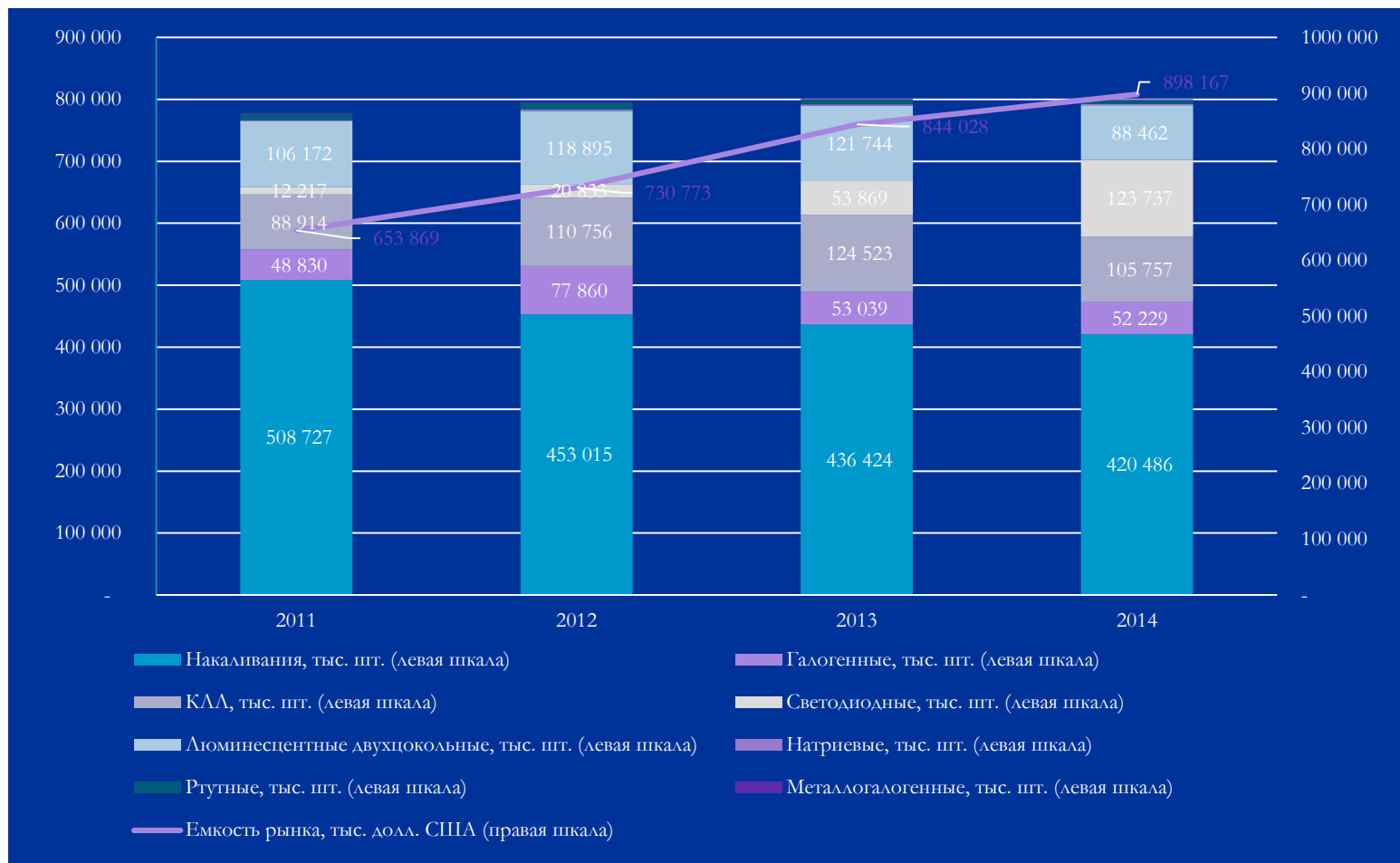
High Energy Performance Standards (HEPS) for lighting products applied in construction of new public buildings (the document is being considered by the government).

Updated construction codes for lighting systems of buildings and street lighting СНиП 23-05-95 (СП 52.13330.2016) (the document is approved and will come into effect in 2017)

## Establishing of MV&E system

- 6 testing photometric laboratories are established at state regional centers for standardization and metrology (Rostest Moscow, St. Petersburg center, Nizhniy Novgorod center, Samara center, Ufa center, Krasnoyarsk center).
- Verification of lighting products. In 2015 – 2016 more than 200 samples of lighting products (lamps and lighting fixtures) were tested by independent laboratories, the results were published in professional media.
- Annual monitoring of the market of lighting products

## Dynamics of the market of efficient lighting



## Testing photometric laboratories

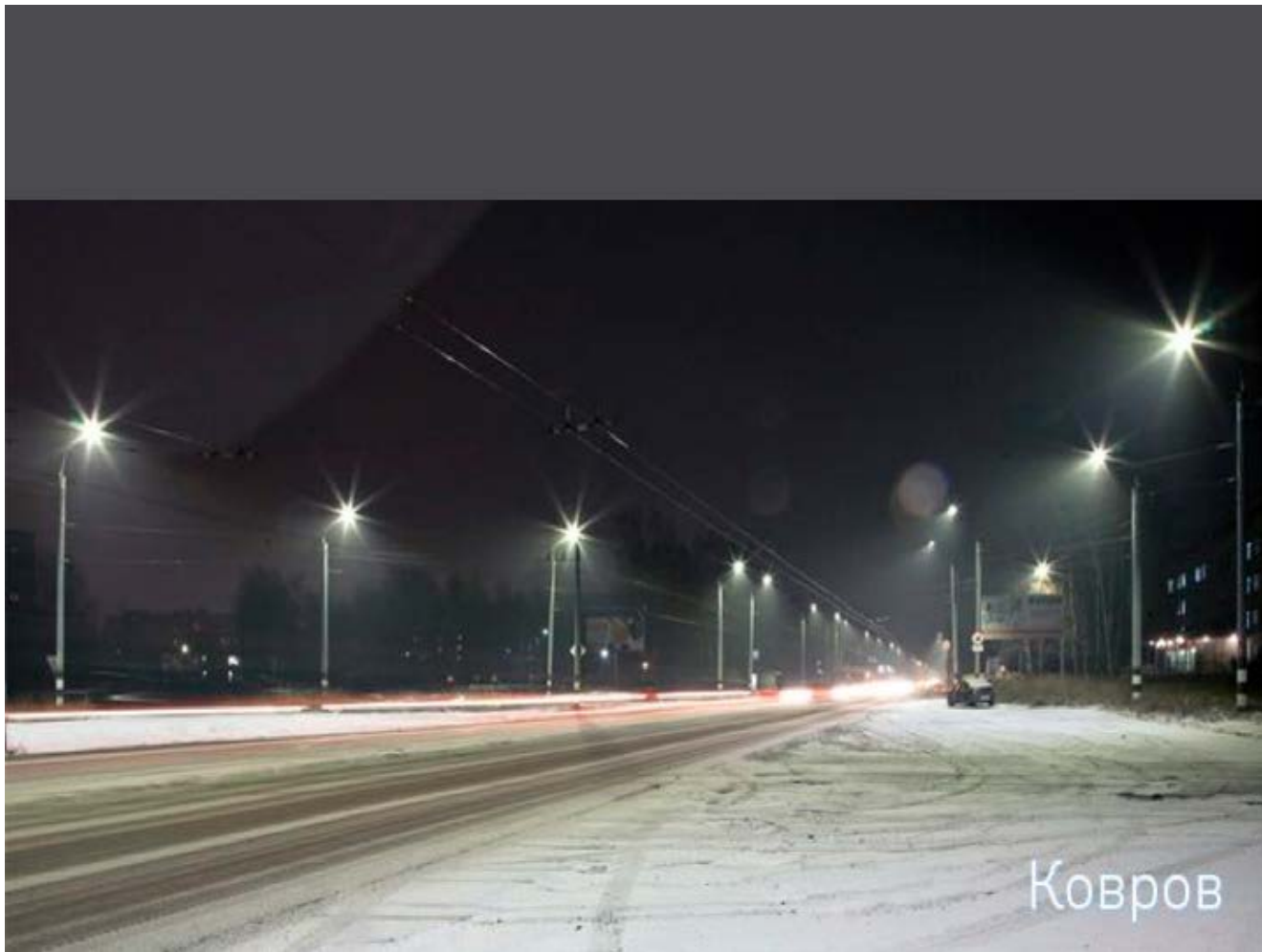


**Modern equipment of A class**



## **Projects of modernization of street lighting and lighting systems of schools**

- Projects of modernization of lighting implemented in the towns of the Vladimir, the Moscow, the Ulyanovsk and the Nizhniy Novgorod regions;
- More than 30 000 energy efficient LED lighting fixtures are installed in the systems of outdoor (street) lighting;
- About 10 000 energy efficient LED lighting fixtures are installed in lighting systems of schools;
- About 8 000 000 USD of private investments are attracted (ESCO schemes)
- Regulatory basis for ESCO is introduced (methodology of measurements, contract forms etc.)



Ковров





Thank you for attention!

Anatoly Shevchenko

[eneff@yandex.ru](mailto:eneff@yandex.ru)

+7 910 790 12 88

