

# Energy efficiency in the buildings – clean energy resource!

Results of international project  
«Strengthening NGOs in promotion of  
sustainable energy for local development  
and climate protection»



Vides aizsardzības klubs



# Project purposes

- 1. Strengthen NGOs in their work for promotion low-carbon solutions, especially energy efficiency on the local/municipal level, making visible their vision of energy efficient alternatives to existing high carbon-consumed energy services..*
- 2. Support NGOs role as promoters of energy efficiency and renewable energy in society through the involvement of NGOs in practical activities on climate and energy and through building relationships with local and regional authorities.*
- 3. Exchange experiences and best practices of Nordic and Baltic countries on energy efficiency and renewable energy for houses and disseminate information on best practices from all project countries among NGOs in NW Russia, Belarus and Latvia.*
- 4. Improve advocacy and information work for local sustainable energy solutions in public informational centers; disseminate this experience/methods among other NGOs.*

# Potential of energy efficiency in Russia

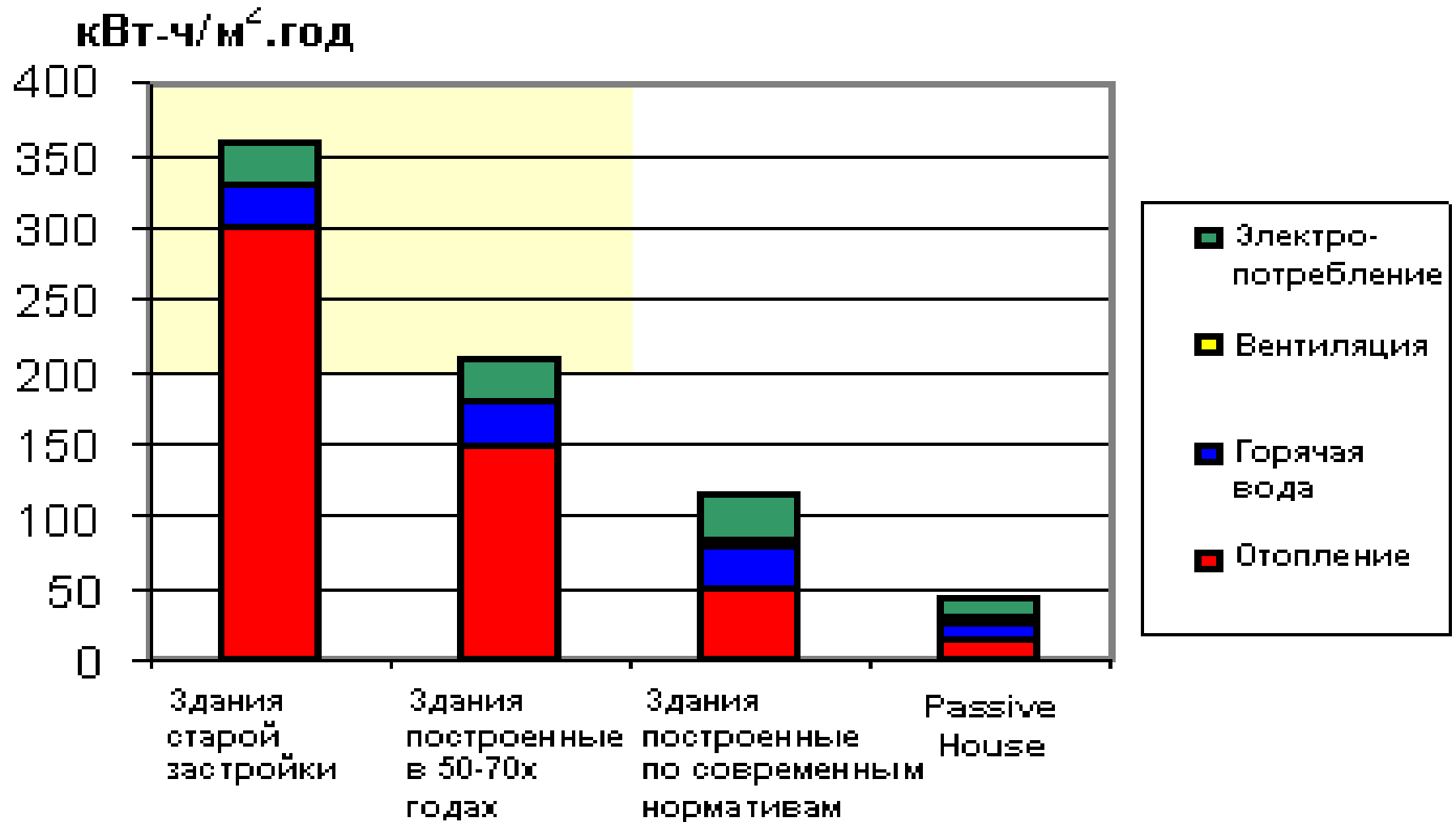
- *President rhetoric (..get away from oil/gas dependence);*
- *State program on energy efficiency to 2020 (2030);*
- *83 regional programs on energy efficiency;*
- *Huge potential of energy efficiency in building sector, energy sector, industry, transport, etc....*

Распределение потенциала энергоэффективности по секторам экономики (млн. тнэ\*)  
\*тонн в нефтяном эквиваленте



*The expected annual energy saving of electricity within the state program (63 billion kWh) exceeds the total planned annual production of biggest nuclear power plants in Russia (Leningrad or Kursk NPP produce 28 billion kWh per year each), and the capacity of the biggest thermal (fossil fuel) power station in Russia, the Surgut GRES (up to 39 billion kWh per year).*

# Potential of energy efficiency in heating sector (St.Petersburg example)



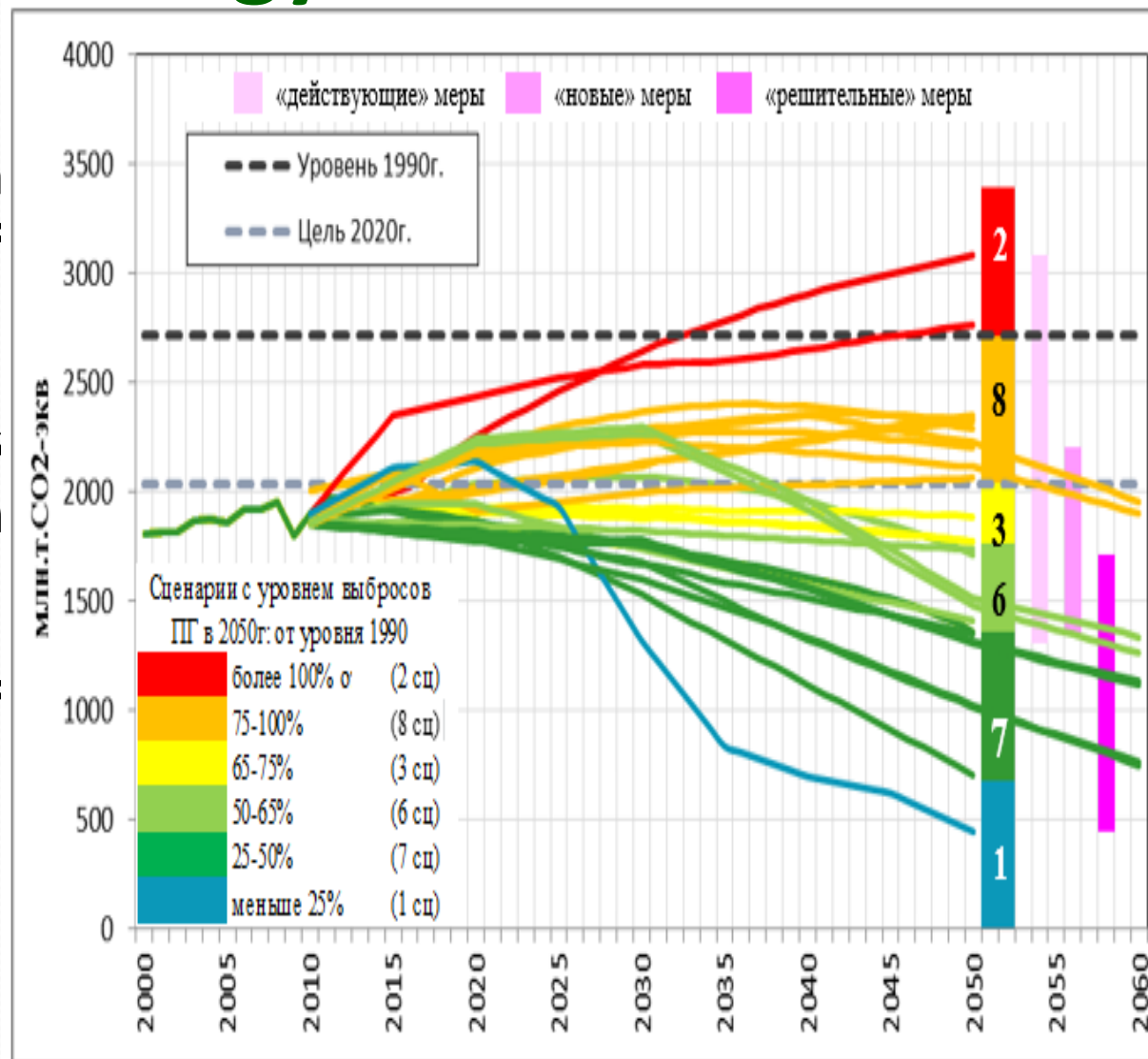
# Scenarios of GHG emission reduction with measures in energy sector in Russia

➔ President order on 75 % emission of 1990 level to 2020.

➔ Additional measures to stop emission grow after 2020.

➔ variant – 70 % of 1990 I «Strong» level to 2030.

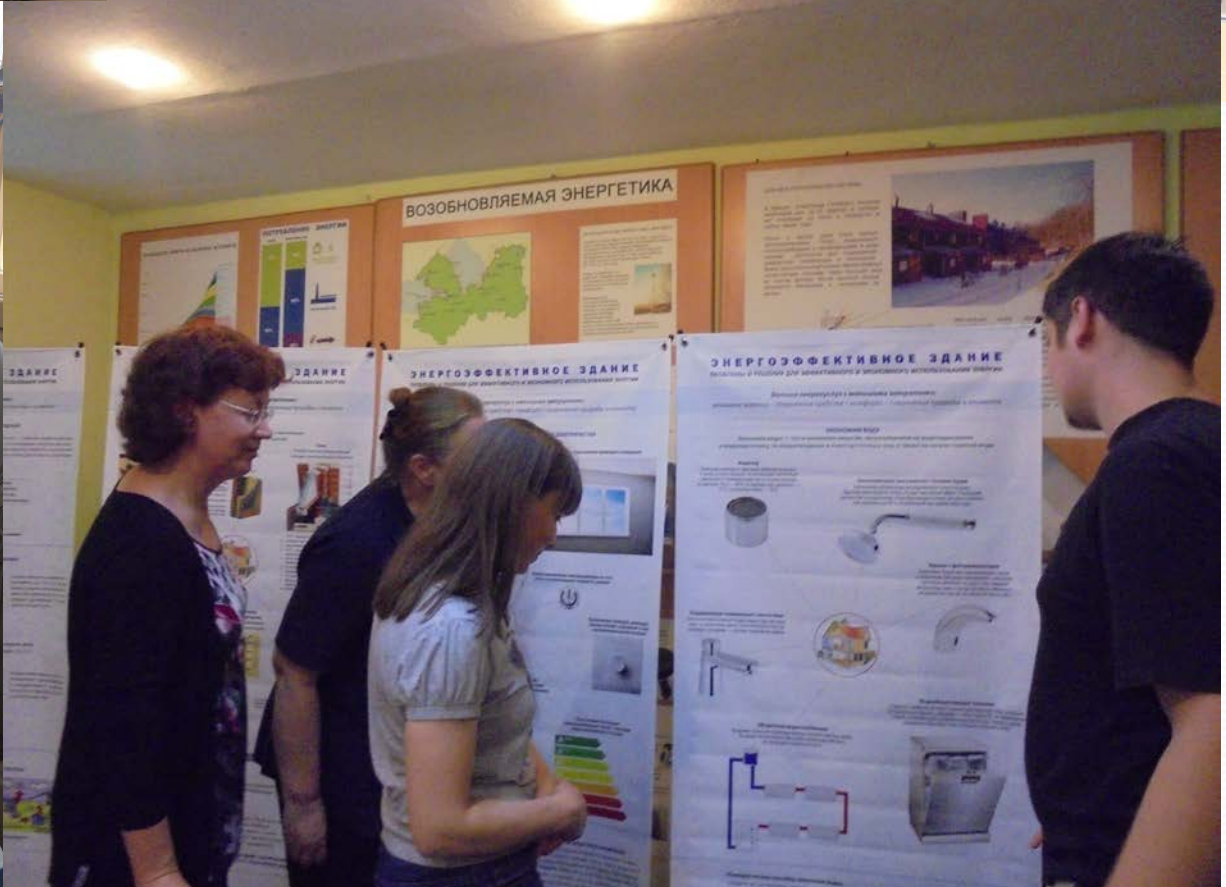
(INDC:70-75% to 2030)



Цифры в разноцветных столбцах показано число сценариев, попавших в данный диапазон.

# Project results

- *Experience exchange meetings/seminars held in Norway. Denmark. Latvia, Belarus.*
- ***Moving exhibition on energy efficiency in the building in Russian language made (5 posters/banners, suitcase, brochure, info-cards),***
- ***Dissemination of the moving exhibition done in St.Petersburg, Murmansk region, Kaliningrad, Arkhangelsk, Bryansk, Moscow, presented in Latvia and Belarus – for teachers, municipals, university students and schoolkids, housing communities.***
- *Improving the interactive exhibition in the small museum of energy saving and environmentally-friendly life style “Ecotechnum” Belarus (Center for Environmental Solutions).*
- ***On-line course on energy efficiency in the buldings.***
- ***Training for school energy advisers (St.Petersburg)***



# Feedback from audience

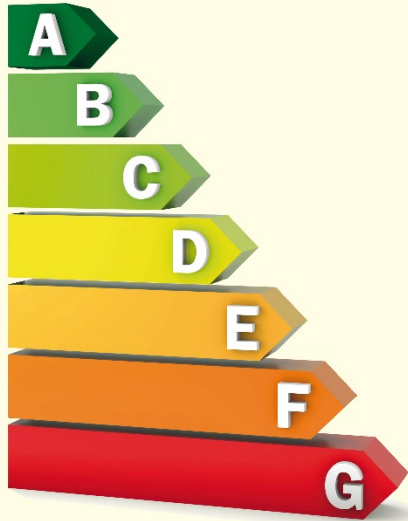
- *Energy saving suitcase – possibility to touch devices!*
- *What we can apply here and now? Cheap and simple thing are more attractive - nozzle on the water tap, insulation materials, lamp.....*
- *The common questions:  
is it profitable, how will be paid off?*
- *Exhibition inspires people and helps to generate the own ideas!*



# The outcomes of the project

1. Project materials are used in schools and help them to fulfill their task to improve energy efficiency
2. Information is helpful for housing communities – to evaluate opportunities for reducing energy losses and payments.
3. NGOs promoting EE and using project materials have sufficiently strengthened their expert potential.
4. Thanks to the project activities the cooperation among NGOs, energy saving state institutions, energy saving business and consumer associations grows – it gives a basis for promotion of EE solutions according to society interests.

# ЭНЕРГОЭФФЕКТИВНОСТЬ — САМАЯ БОЛЬШАЯ ЭЛЕКТРОСТАНЦИЯ РОССИИ





**Thank you for your attention!!!**

**Energy efficiency  
is a biggest power plant!**

***Olga Senova  
baltfriends.ru, rusecounion.ru,  
rseu.climate@gmail.com  
Tel.: +7 921 9117986,***