

National Energy Efficiency Action Plans!



Assessment



PHLG 24 March 2011

Energy Community Secretariat

ENERGY EFFICIENCY ACTION PLANS

- Legal framework
- Targets
- Sectors and measures
- Assessment
- Way forward
- Conclusions



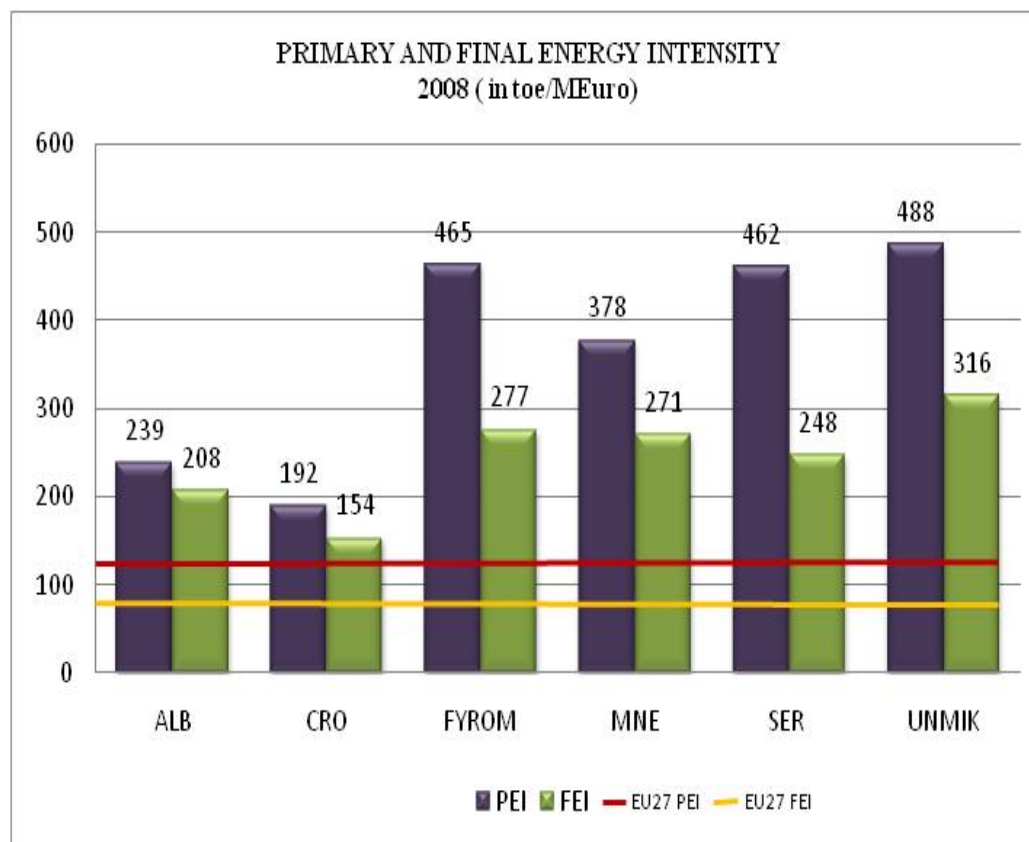
✓ **MINISTERIAL COUNCIL DECISIONS**
December 2009/ September 2010



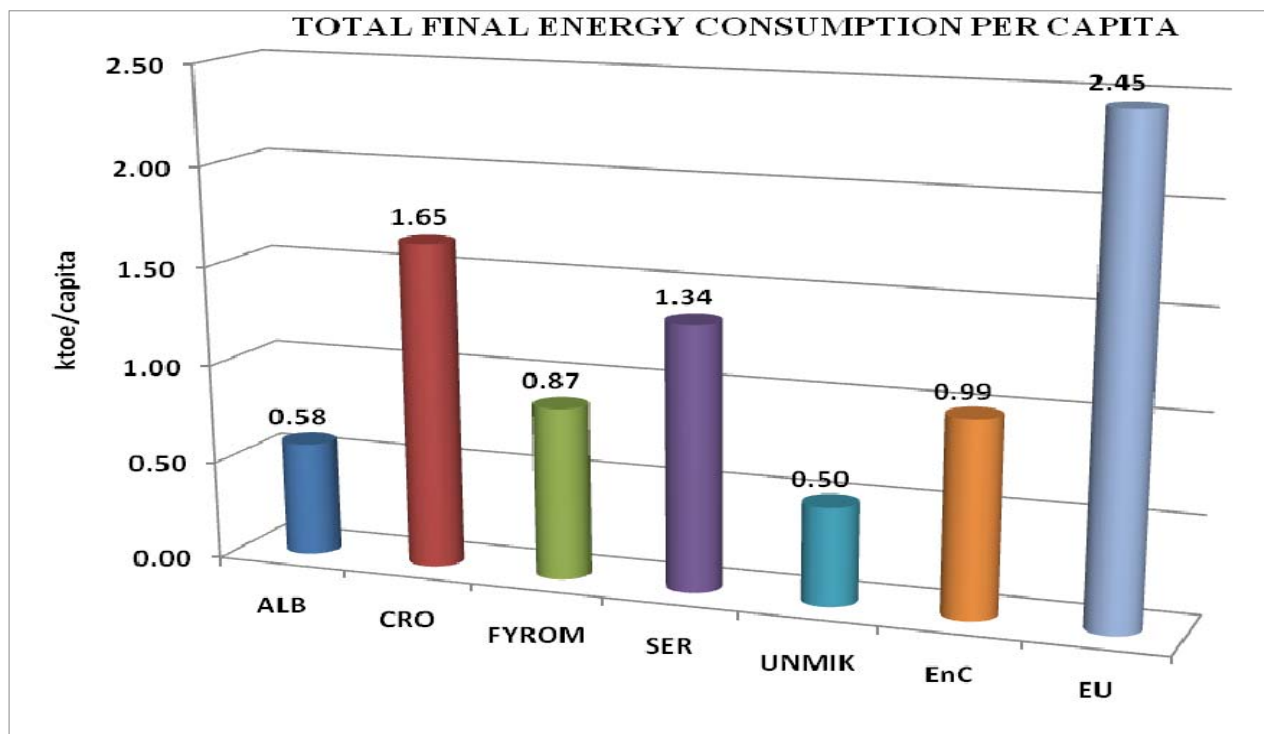
- ⑩ **DIRECTIVE 2006/32/EC ON ENERGY END USE EFFICIENCY AND ENERGY SERVICES**
- ⑩ **DIRECTIVE 2010/31/EU ON THE ENERGY PERFORMANCE OF BUILDINGS – RECAST OF DIRECTIVE 2002/91/EC**
- ⑩ **DIRECTIVE 2010/30/EU ON LABELING OF ENERGY-RELATED PRODUCTS (RECAST DIRECTIVE 92/75/EEC) AND IMPLEMENTING DIRECTIVES/DELEGATED ACTS**

✓ **Support by the ENERGY EFFICIENCY TASK FORCE**
- EETF WORK PROGRAMME 2011 focuses on NEEAPs





ENERGY CONSUMPTION PER CAPITA

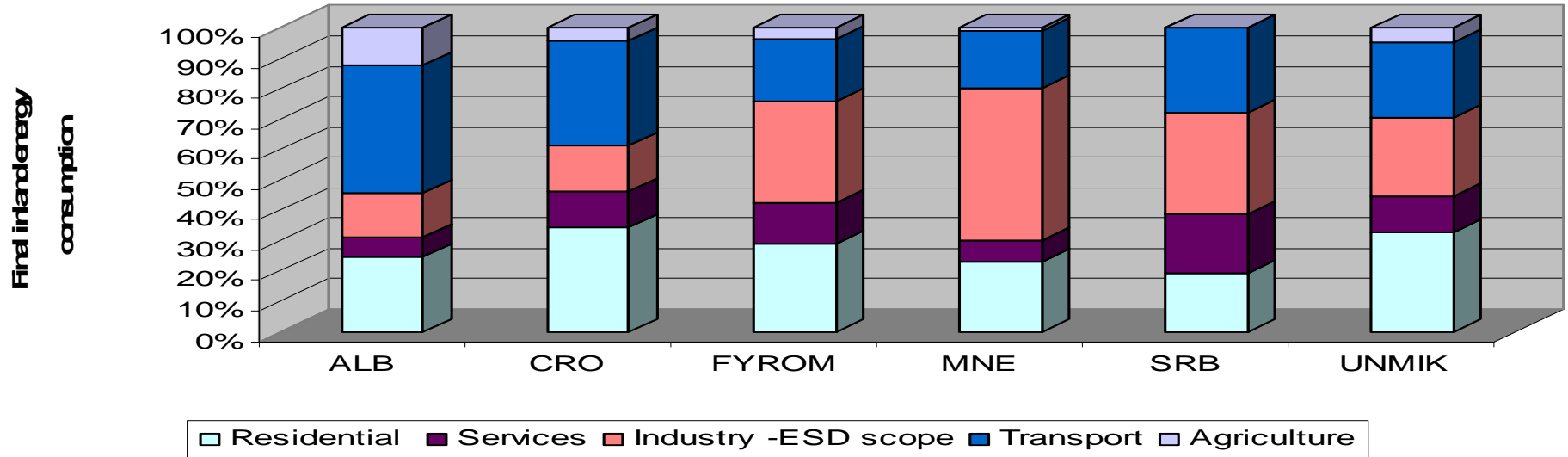


ENERGY SAVINGS TARGETS AND THE PERIOD COVERED

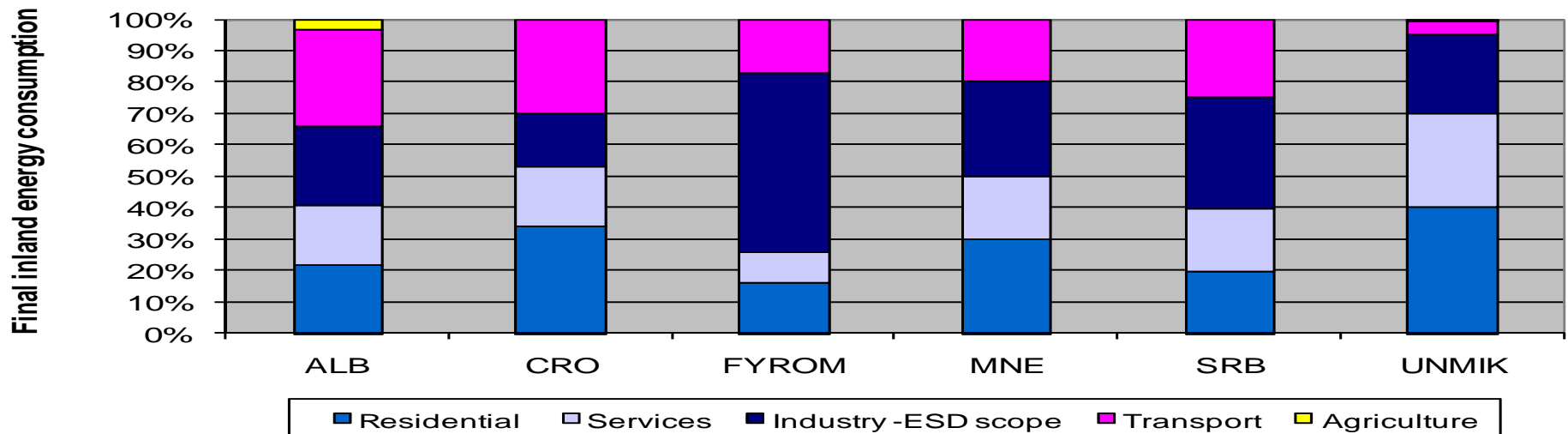
Contracting Party	Energy savings target in 2018	Intermediate energy savings target in 2012	Target calculation in line with Annex I	Period covered by NEEAP*
Albania	9 %	1.5 %	Yes	2010 - 2018
Croatia	9 % in 2016	3 % in 2010	Yes	2008 - 2016
The Former Yugoslav Republic of Macedonia	12.2 %	4 %	Yes	2010 - 2018
Montenegro	9 %	2 %	Yes	2010 - 2018
Serbia	9 %	1.5 %	N (Not fully)	2010 - 2018
UNMIK	9 %	3 %	Yes	2010 - 2018

NEEAPs – General overview (2)

FIEC (ESD SCOPE) – SHARE PER SECTORS



ENERGY SAVING TARGETS – SHARE PER SECTORS



	RESIDENTIAL	SERVICES	INDUSTRY	TRANSPORT	AGRICULTURE	HORIZONTAL AND CROSS SECTOR
ALBANIA	5	5	5	8	3	0
CROATIA	5	8	5	4	0	5
FORMER YUGOSLAV REPUBLIC OF MACDEONIA	8	9	12	5	0	9
MONTENEGRO	5	12	3	5	0	9
SERBIA	8	10	6	5	0	4
UNMIK	14	18	2	2	1	0

SECTORS AND MEASURES - EXAMPLE

HIGHLIGHTED ROLE OF THE PUBLIC SECTOR

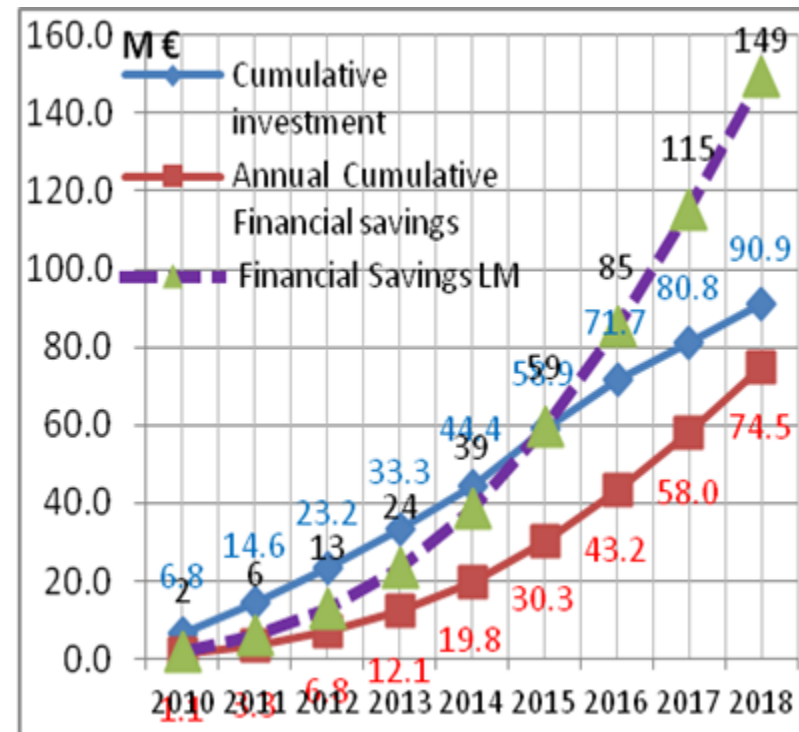
❖ REASONS:

- ✓ Exemplary role (ESD)
- ✓ Easier to address through policy measures (parallel with creation of proper legal and institutional framework)

INVESTMENTS AND SAVINGS- EXAMPLE OF Former Yugoslav Republic of Macedonia

❖ USUAL EE IMPROVEMENT MEASURES:

- ⊙ Energy audits and certification of buildings;
- ⊙ EE Projects in public administration buildings, schools, hospitals, street lighting;
- ⊙ Energy management at state and local level;
- ⊙ Inspections of boilers/air conditioning systems;
- ⊙ EE in tendering procedures for public procurement (equipment, vehicles, buildings);
- ⊙ Stricter EE standards for new public buildings;
- ⊙ Implementation of informative and awareness raising campaigns.



- **9% national indicative energy savings target** for 2018 calculated in line with Annex I of the Directive (Serbia and Former Yugoslav Republic of Macedonia)
- **Early actions:** Rare
- **Estimated energy savings:** not clear enough or always attached to measures
- **Buildings sector** (especially public buildings)
 - Refurbishment of existing public buildings
 - Strengthening of building codes
 - Use of solar heating for sanitary hot water
- **Exemplary role played by the public sector** (all NEEAPs)
 - Procurement: energy efficiency criteria
 - Voluntary agreements
- **Information measures**
 - Public awareness raising campaigns
 - Public training and education, advice on energy use
 - Trainings for professionals, energy audits and energy efficiency publications for professional stakeholders



■ Institutional framework

- Partially in place
- Needs to be strengthened in all Contracting Parties

■ Funding energy efficiency

- National funding (State budget) – strong reliance
- Local governments are the main players when it comes to measures for residential and public buildings and transport
- Taxes do not play a significant role in EE project funding
- ESCO markets are underdeveloped in all CPs
- Public-private-partnerships : only a few examples



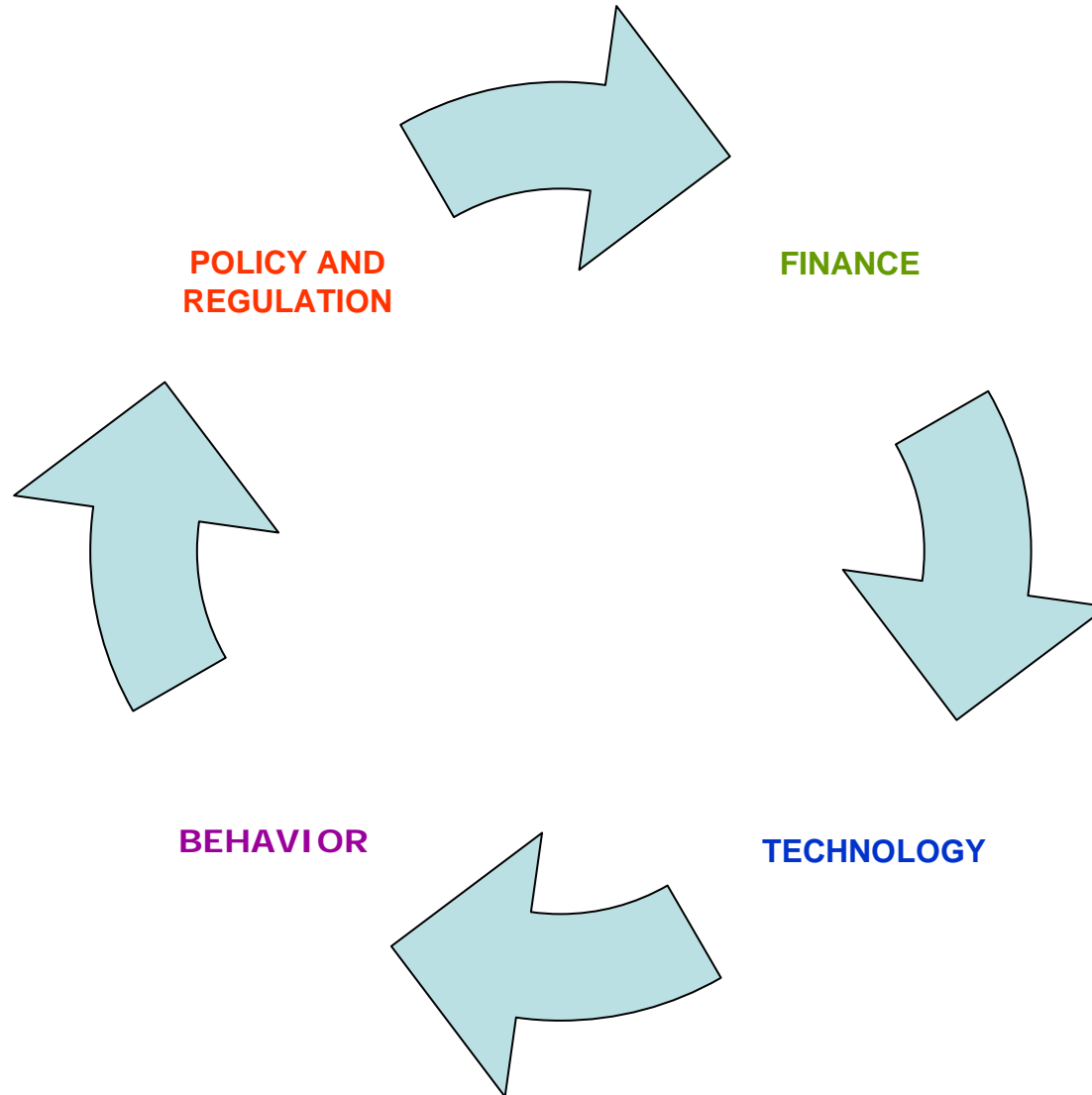
■ Some obstacles and outstanding questions

- Fiscal policies require cooperation between ministries
- Monitoring and evaluation of policy effects is underdeveloped
- How can the share of local governments' budget for energy efficiency improvement measures be increased?
- How can energy efficiency criteria be embedded and integrated into projects?
- Reliable energy consumption data and information
- Knowledge and motivation



- ✚ **Albania to finalise NEEAP**
- ✚ **Bosnia and Herzegovina, Moldova and Ukraine to prepare NEEAPs**
- ✚ **Primary legislation transposing the EU Acquis to be passed**
- ✚ **Secondary legislation to be adopted**
- ✚ **Financing NEEAPs: National Funds, local and central budget, IFIs funds and ... more to be made functional**
- ✚ **Energy consumption statistics...**
- ✚ **Institutional framework: agencies, departments, etc.**
- ✚ **Training of experts: audits, building certificates, inspections, and of professionals: installers, builders, architects, etc.**





A HOLISTIC APPROACH!

THANK YOU FOR YOUR ATTENTION!

www.energy-community.org