
ENERGY EFFICIENCY IN THE ENERGY COMMUNITY

From plans to implementation!



Violeta Kogalniceanu

Energy Community Secretariat

Energy Efficiency in Buildings, 2-3 September 2010, Moscow

**“EFFICIENCY IS DOING THINGS RIGHT;
EFFECTIVENESS IS DOING THE RIGHT THINGS”**

Peter Druckner – a pioneer of the modern management science

ENERGY COMMUNITY TREATY AND ENERGY EFFICIENCY

LEGAL AND INSTITUTIONAL FRAME

ENERGY EFFICIENCY ACTION PLANS

CONCLUSIONS

- AIM
- SIGNATURE
- CONTRACTING PARTIES
- PARTICIPANTS
- OBSERVERS



⇒ 8 Contracting Parties (CPs)

Albania, Bosnia and Herzegovina, Croatia, Former Yugoslav Republic of Macedonia, Moldova, Montenegro, Serbia and UNMIK

⇒ European Commission

On behalf of European Union

⇒ 4 Observers

Ukraine, Turkey, Georgia and Norway

⇒ 14 Participants

Austria, Bulgaria, Cyprus, Czech Republic, France, Germany, Greece, Hungary, Italy, The Netherlands, Romania, Slovakia, Slovenia, United Kingdom



- **ENERGY EFFICIENCY ACQUIS – Art. 35**
- **MINISTERIAL COUNCIL DECISION December 2009**
Energy Efficiency *Acquis* becomes mandatory !!!!
- **DIRECTIVE 2006/32/EC ON ENERGY END USE EFFICIENCY AND ENERGY SERVICES**
- **DIRECTIVE 2002/91/EC ON THE ENERGY PERFORMANCE OF BUILDINGS and RECAST**
- **DIRECTIVE 92/75/EEC ON LABELING OF HOUSEHOLD APPLIANCES AND IMPLEMENTING DIRECTIVES**



ENERGY EFFICIENCY TASK FORCE

Composition

Mandate

Duration

Work Programmes 2009
and 2010

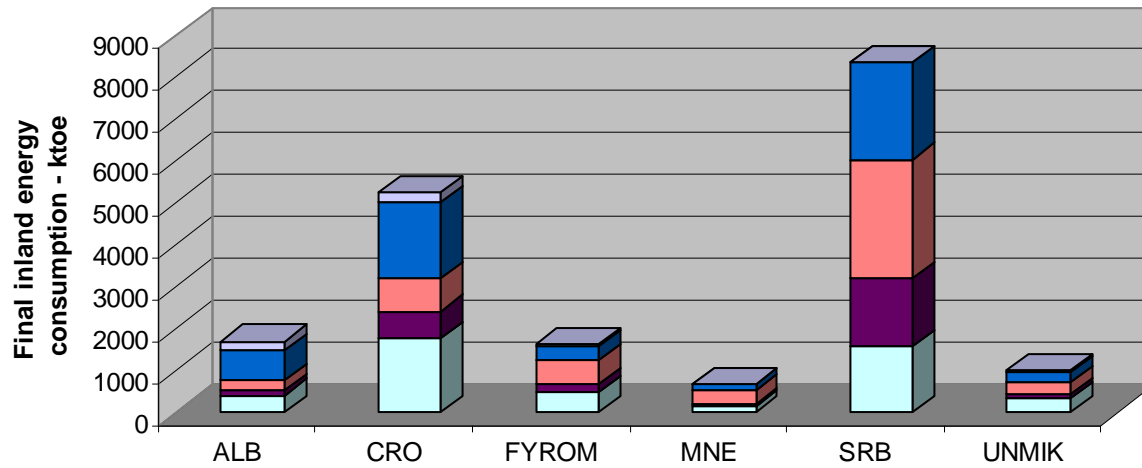


FOUR TASKS

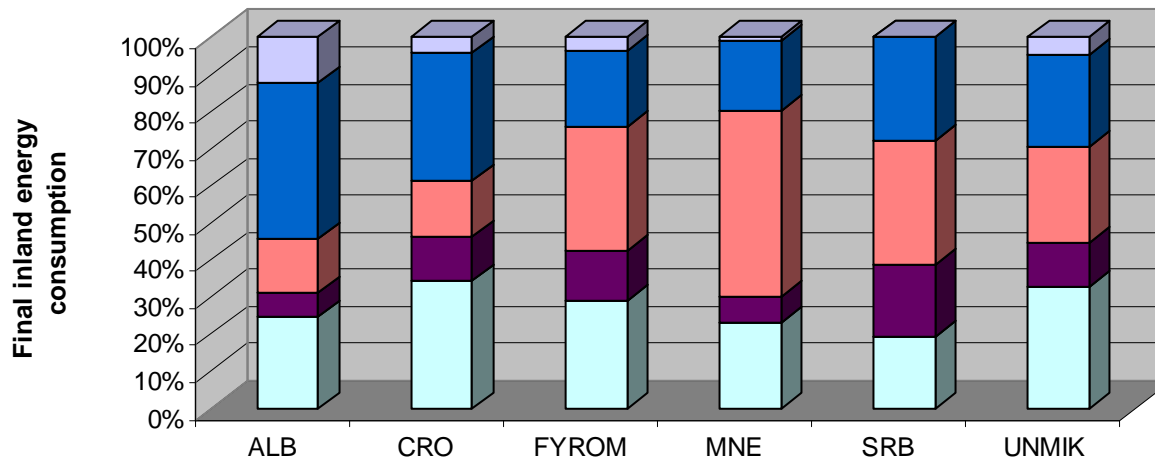
- **TASK 1** Energy Efficiency Action Plan (EEAP)
- **TASK 2** Monitoring of EEAP implementation
- **TASK 3** Road map for Directives' implementation
- **TASK 4** Awareness raising campaign



EEAPs - FIEC PER SECTORS

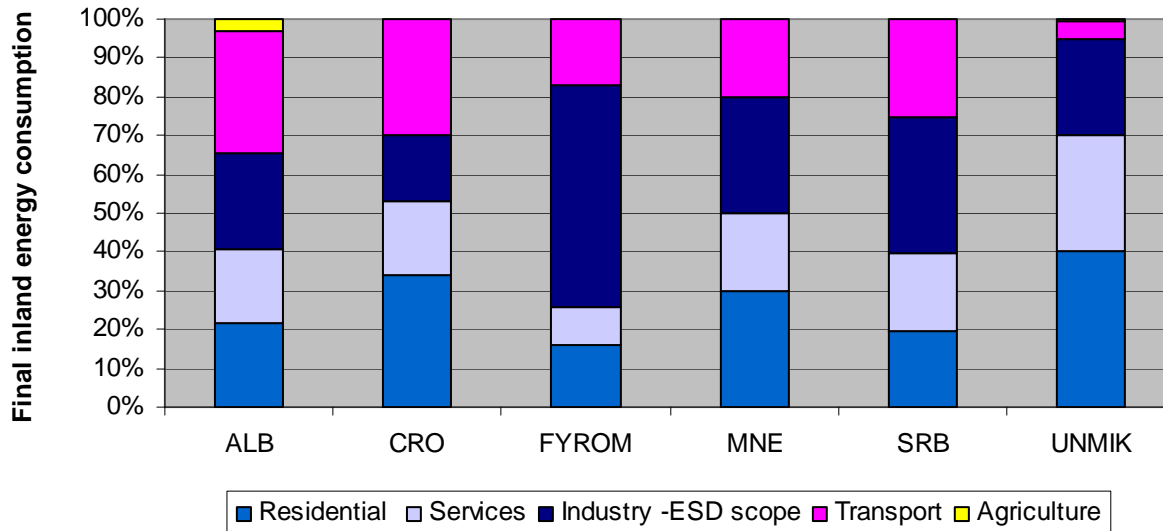
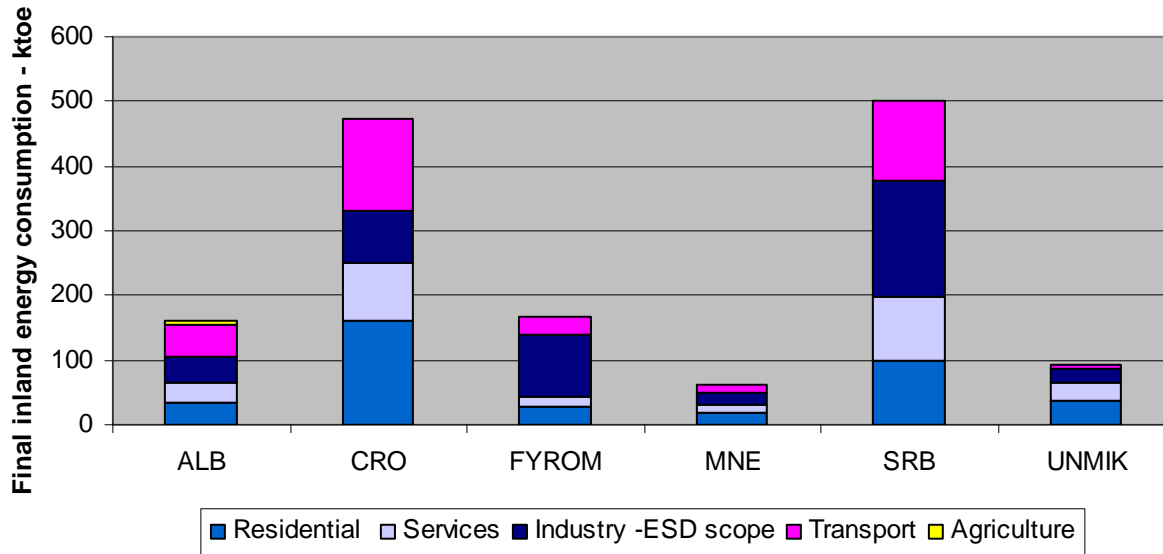


■ Residential
 ■ Services
 ■ Industry -ESD scope
 ■ Transport
 ■ Agriculture

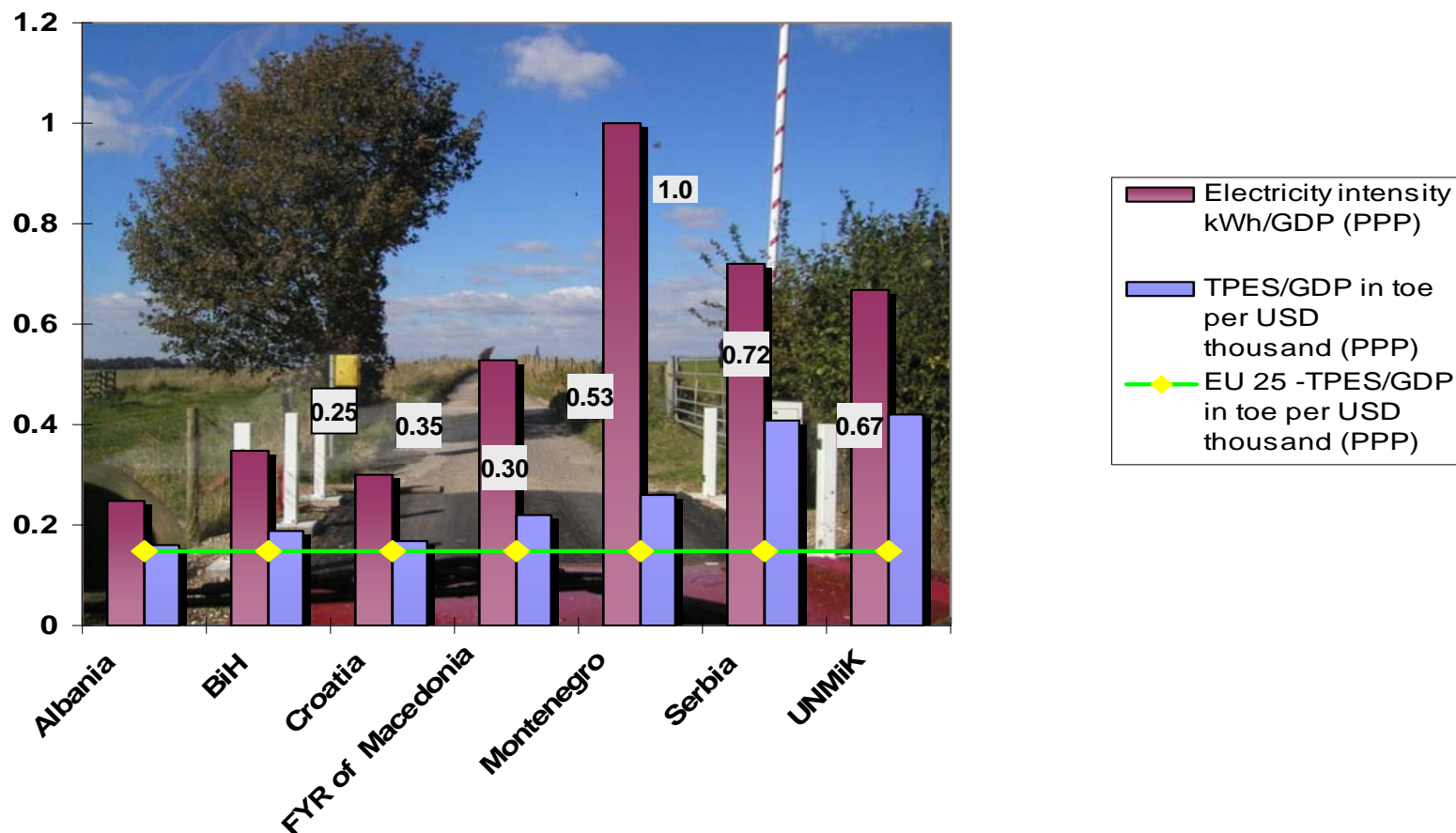


■ Residential
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NATIONAL ES TARGET – PER SECTOR

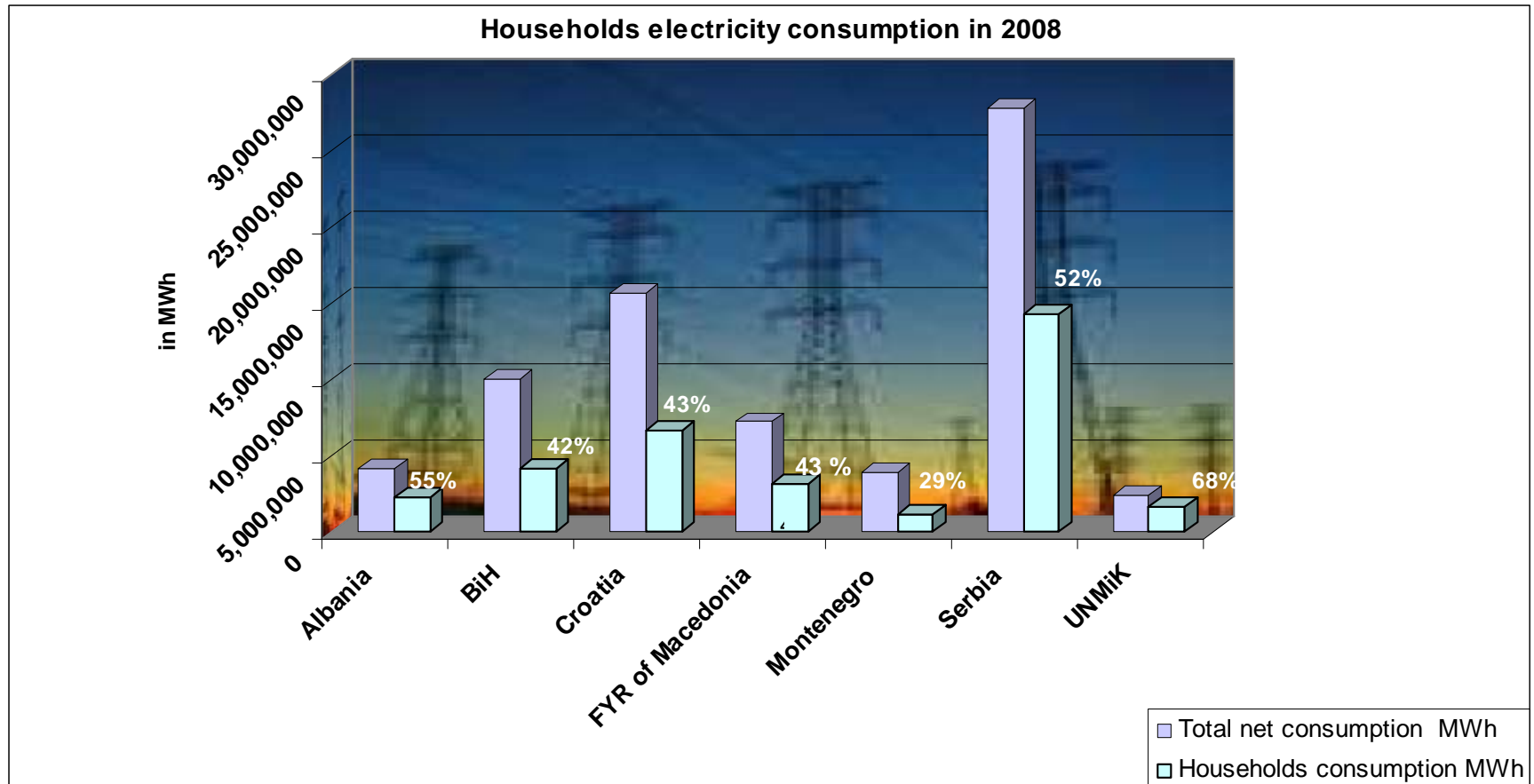


ENERGY AND ELECTRICITY INTENSITY 2005



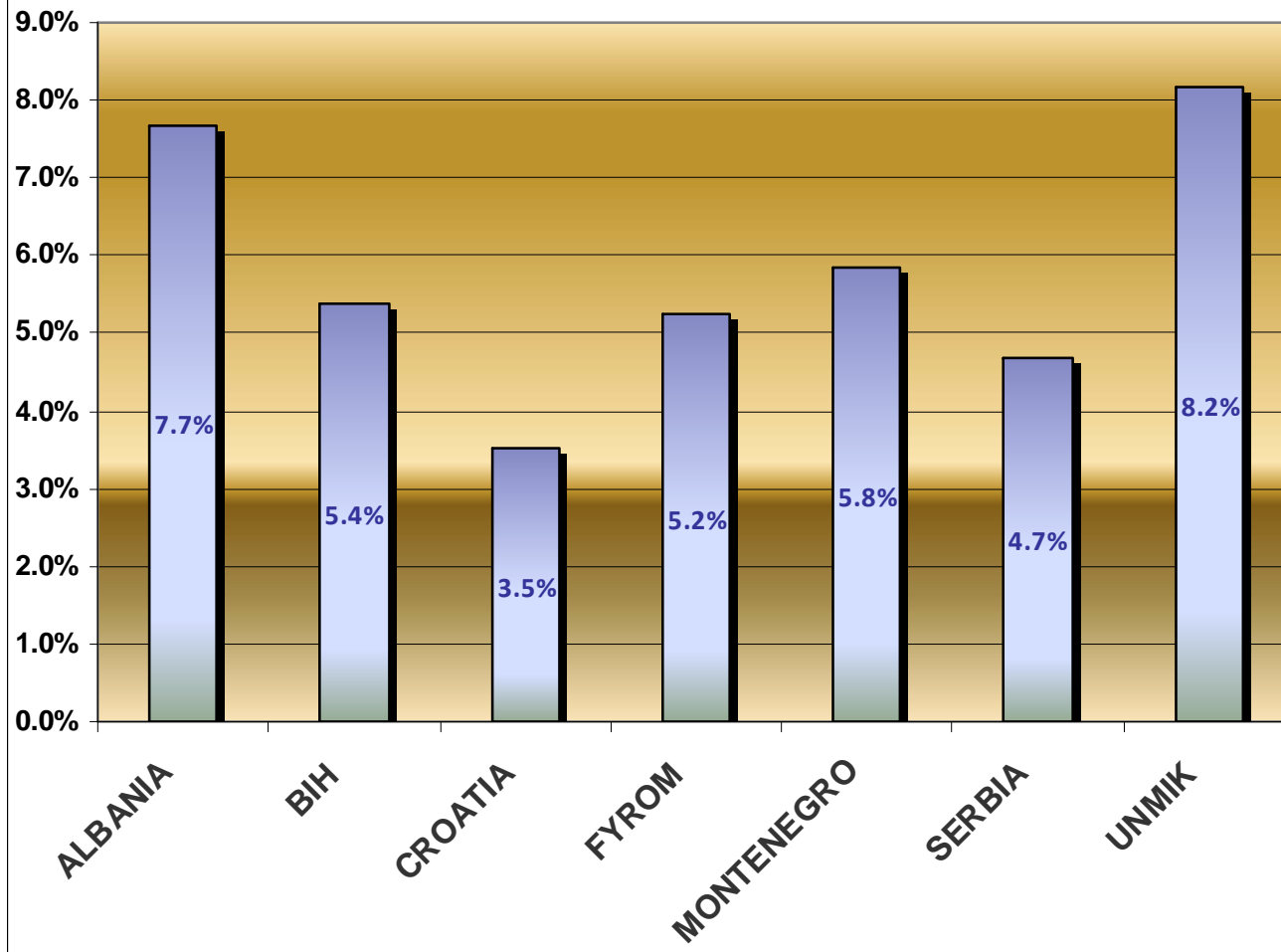
Source: IEA

FOCUS – RESIDENTIAL SECTOR (1)



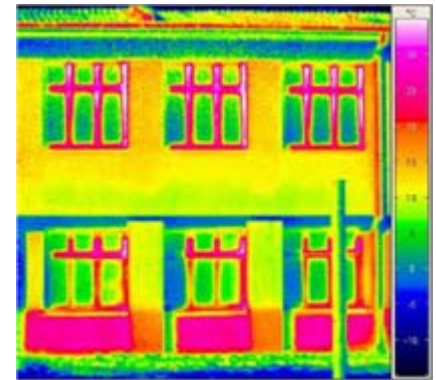
Source: ECS

ELECTRICITY COSTS IN AVERAGE WAGE 2007

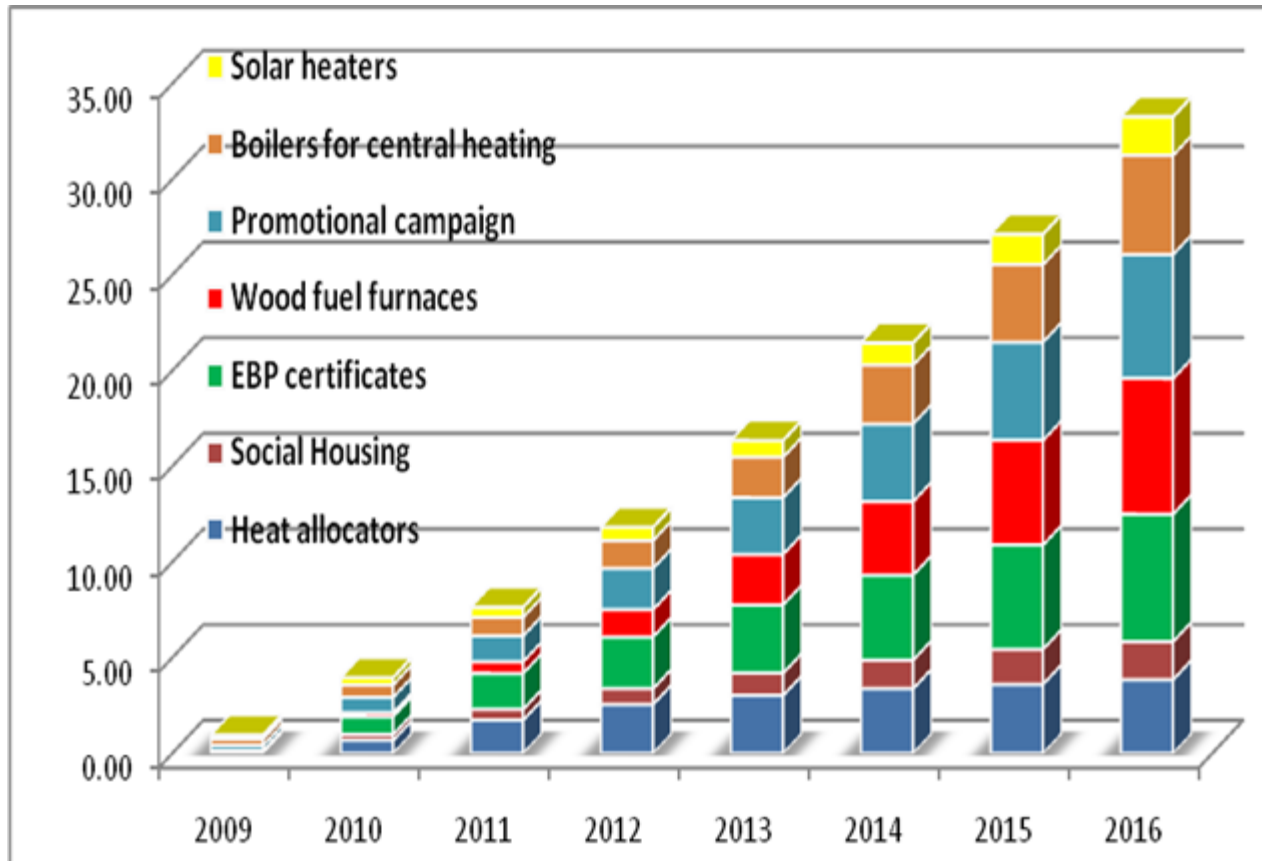


Source: ECS

- **SPACE HEATING: MOVING FROM ELECTRICITY TO DH OR LOCAL SMALL CO-GEN**
- **USE OF BIOMASS IN EFFICIENT BOILERS**
- **RESIDENTIAL ENERGY EFFICIENCY**
 - Heat meters/heat cost allocators/thermostatic control valves.
 - Insulation of ceilings, walls, basements, pipes.
 - Weatherization or replacing doors and windows.
 - Building envelope insulation
 - DH Substation improvements
- **HOUSEHOLD APPLIANCES - ENERGY LABELS**
- **EFFICIENT LIGHTING**

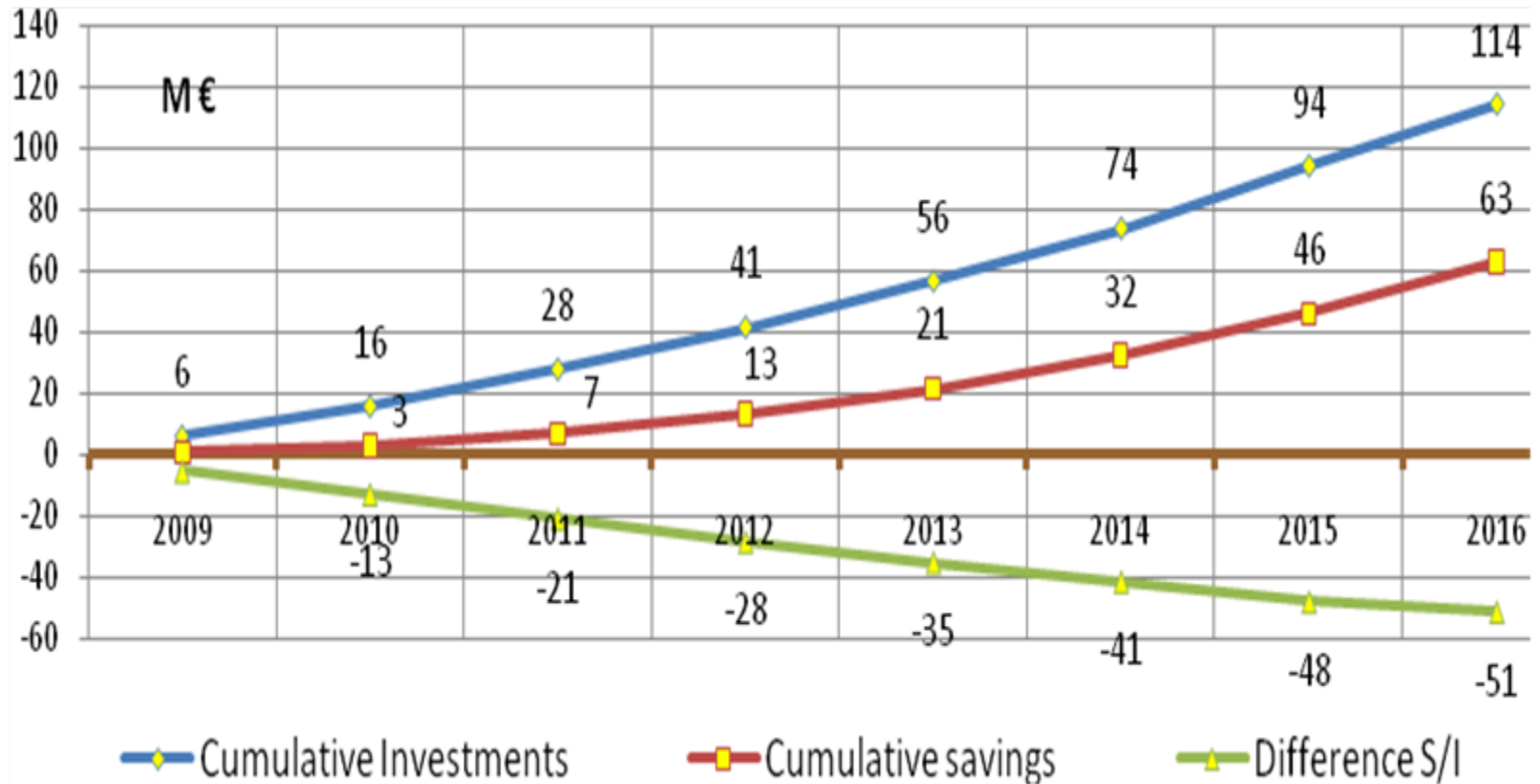


CONTRIBUTION OF INDIVIDUAL MEASURES



Source NEEAP Former Yugoslav Republic of Macedonia

INVESTMENTS AND SAVINGS



Source NEEAP Former Yugoslav Republic of Macedonia

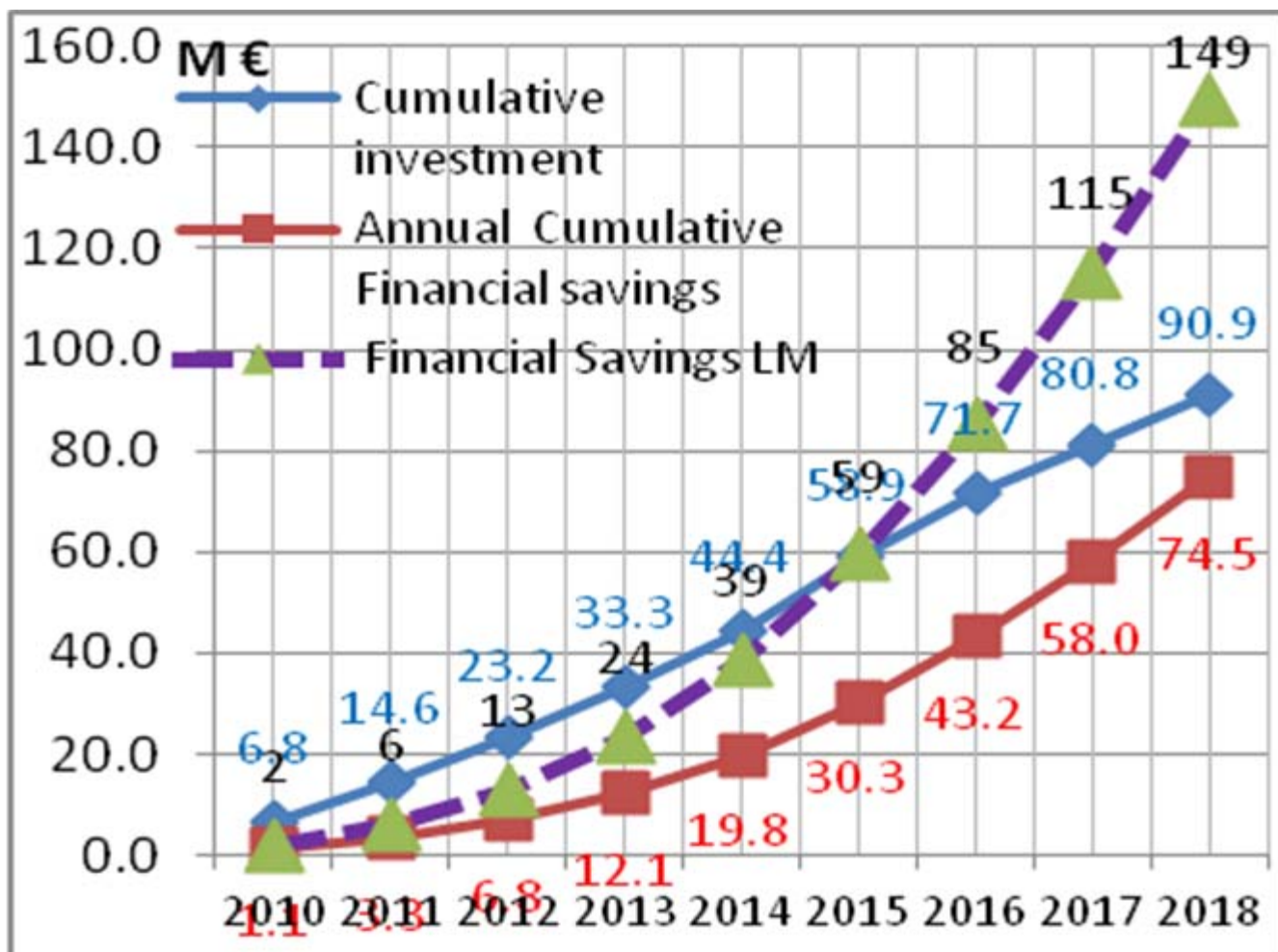
❖ REASONS:

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

❖ 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.

INVESTMENTS AND SAVINGS PUBLIC SECTOR



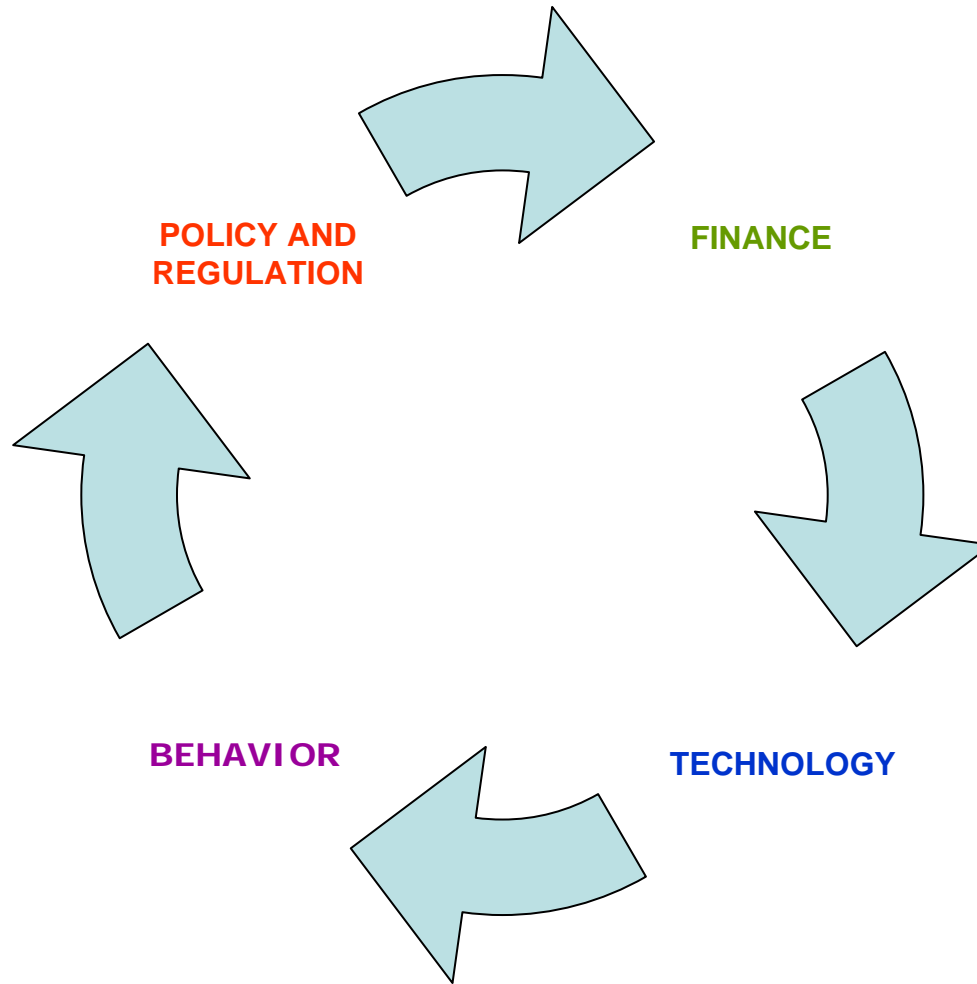
Source NEEAP Former Yugoslav Republic of Macedonia

- MARKET FRAGMENTATION
- SPLIT INCENTIVE: OWNER - TENANT
- PRICE SIGNALS AND INCENTIVES
- MISPERCEPTION: MORE EXPENSIVE THAN IN REALITY
- AVAILABILITY OF EFFICIENT TECHNOLOGIES AT AFFORDABLE PRICE
- ENABLING LEGAL FRAMEWORK
- INFORMATION and MOBILISATION FOR AN ENERGY AWARE CULTURE
- STRINGENT BUILDING CODES AND LABELING
- FINANCIAL MECHANISMS
- MULTIPLE GOVERNMENTAL JURISDICTIONS
- OTHERS



- **IMPROVE STATISTICAL DATA COLLECTION**
- **DEVELOP POLICY PACKAGE TO FOSTER ENERGY EFFICIENCY IN EXISTING BUILDINGS**
- **ENFORCE BUILDING CERTIFICATION SCHEME AND INTRODUCE TARGETED FINANCIAL AND FISCAL INCENTIVES**
- **INCREASE PUBLIC AWARENESS**
- **EDUCATION, TRAINING AND COMMUNICATION**





A HOLISTIC APPROACH!



IT IS TIME FOR ACTION!

Thank you for your attention!

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