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# **ENERGY EFFICIENCY IN THE ENERGY COMMUNITY**

## **From plans to implementation!**



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**Energy Community Secretariat**

**4<sup>th</sup> Annual Conference on Energy, 19 May 2010 Belgrade**

**“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 SAVINGS: POTENTIAL, OPPORTUNITIES,  
CHALLENGES; FOCUS: RESIDENTIAL SECTOR**

**CONCLUSIONS**

- **AIM**
- **SIGNATURE**
- **CONTRACTING PARTIES**
- **PARTICIPANTS**
- **OBSERVERS**



- **ENERGY EFFICIENCY ACQUIS – Art. 35**
- **MINISTERIAL COUNCIL DECISION December 2009 – 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**
- **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**

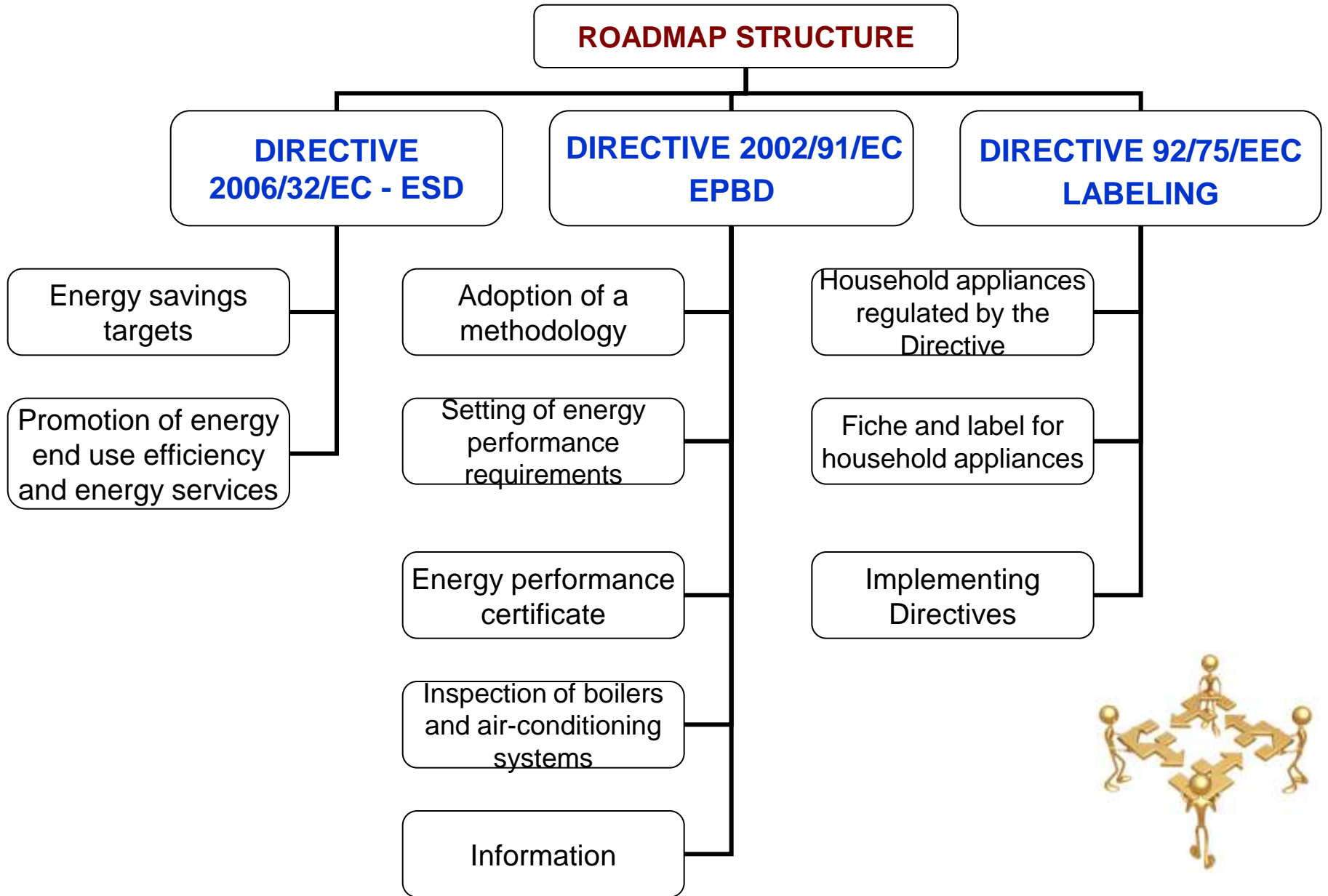
**Road map for Directives' implementation**

● **TASK 4**

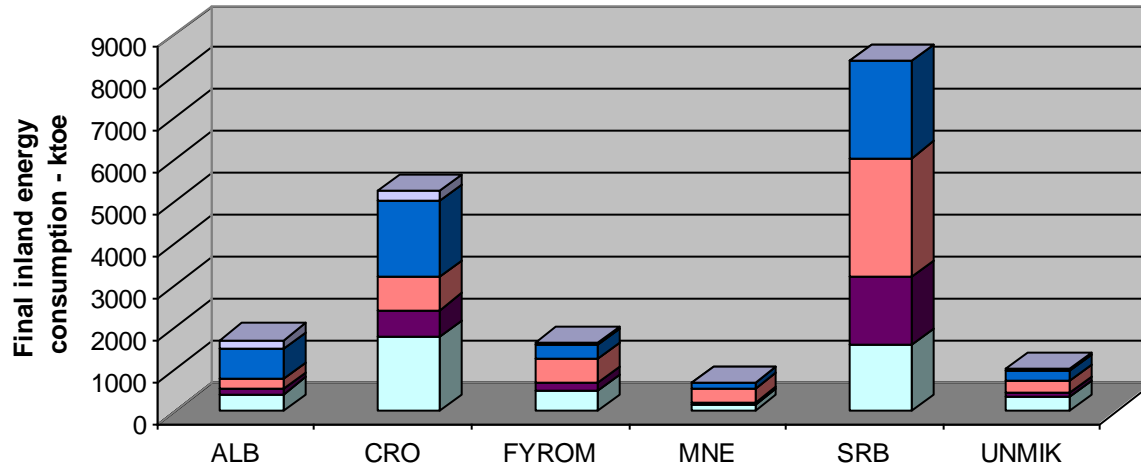
**Awareness raising campaign**



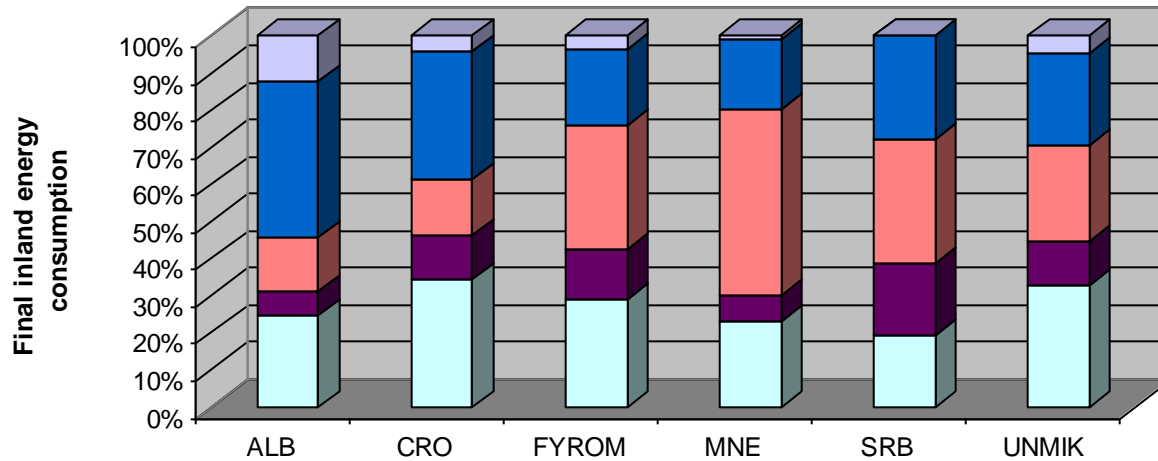
# ROADMAP STRUCTURE



# FIEC PER SECTORS

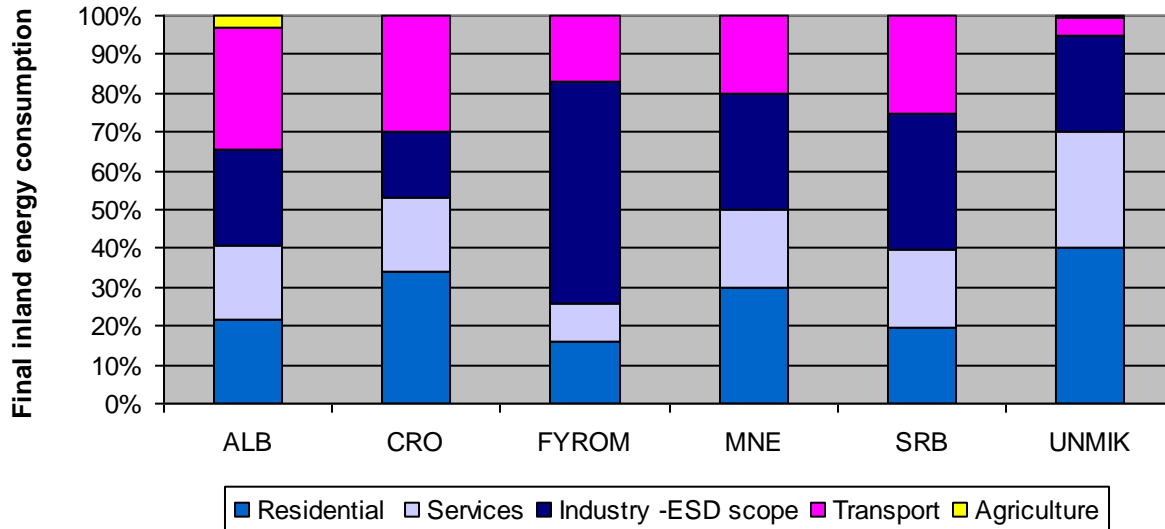
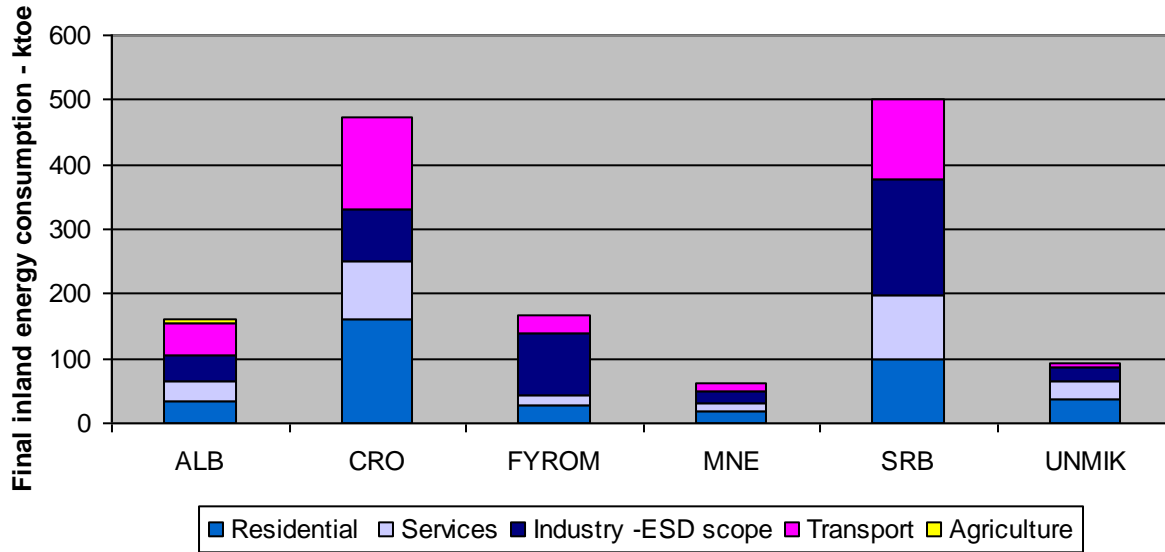


■ Residential 
 ■ Services 
 ■ Industry -ESD scope 
 ■ Transport 
 ■ Agriculture

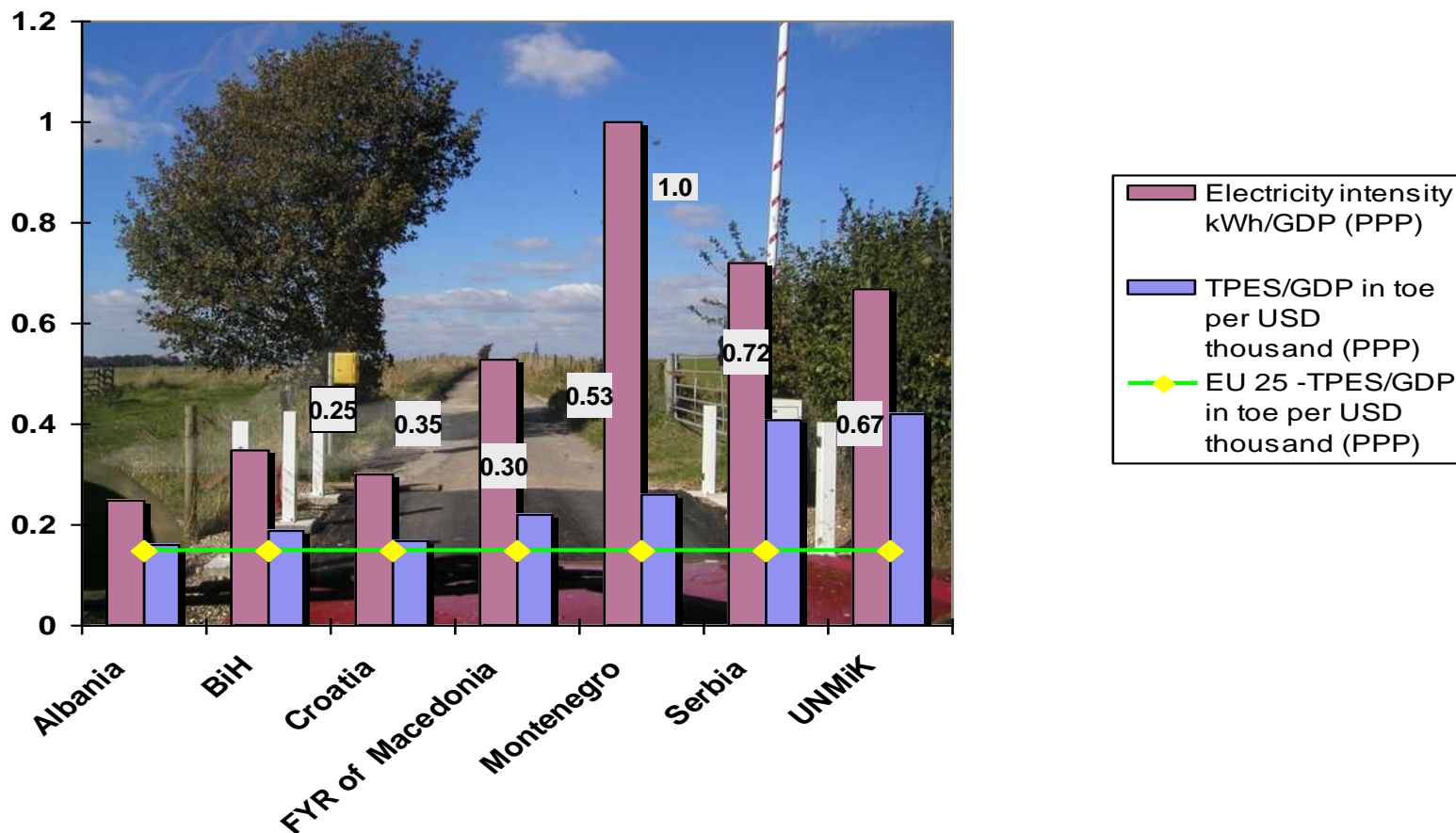


■ Residential 
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 ■ Agriculture

# NATIONAL ES TARGET – PER SECTOR

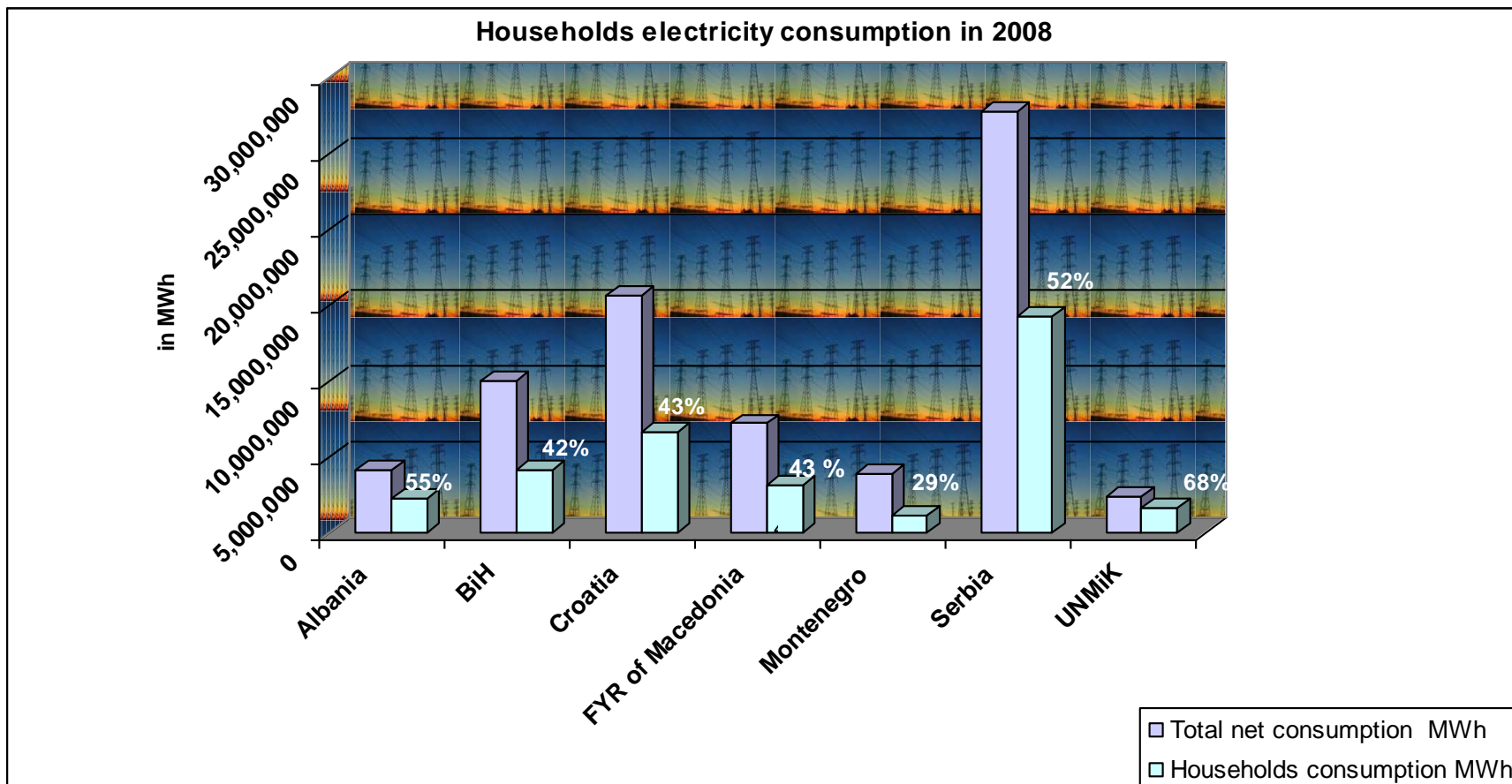


## ENERGY AND ELECTRICITY INTENSITY 2005



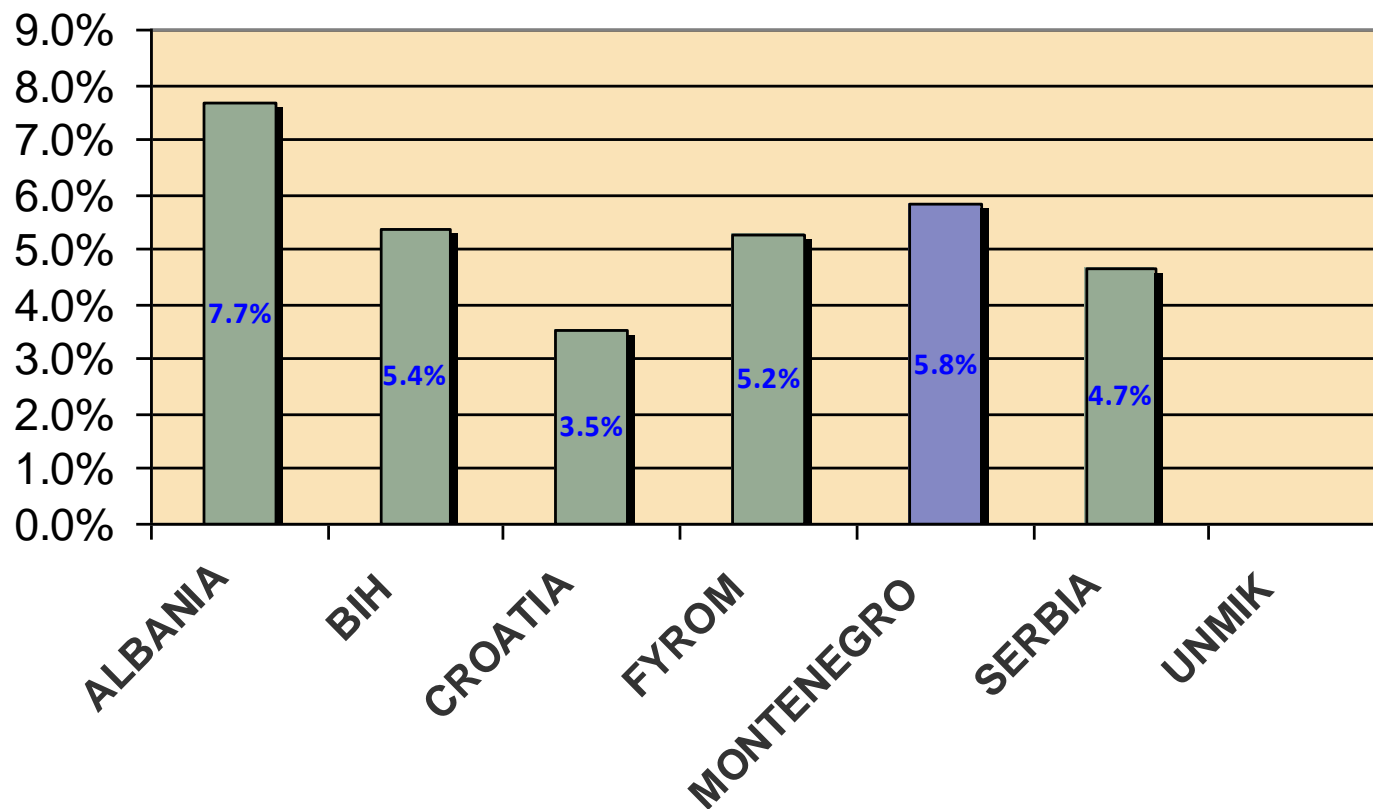
Source: IEA

# FOCUS – RESIDENTIAL SECTOR (1)



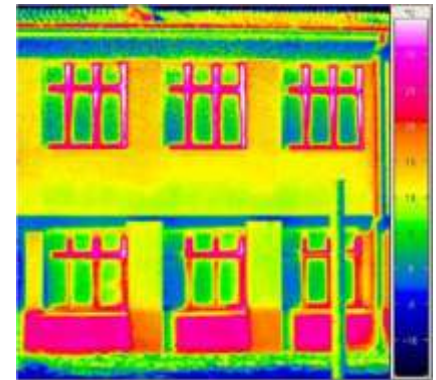
Source: ECS

## ELECTRICITY COSTS IN THE AVERAGE WAGE 2007

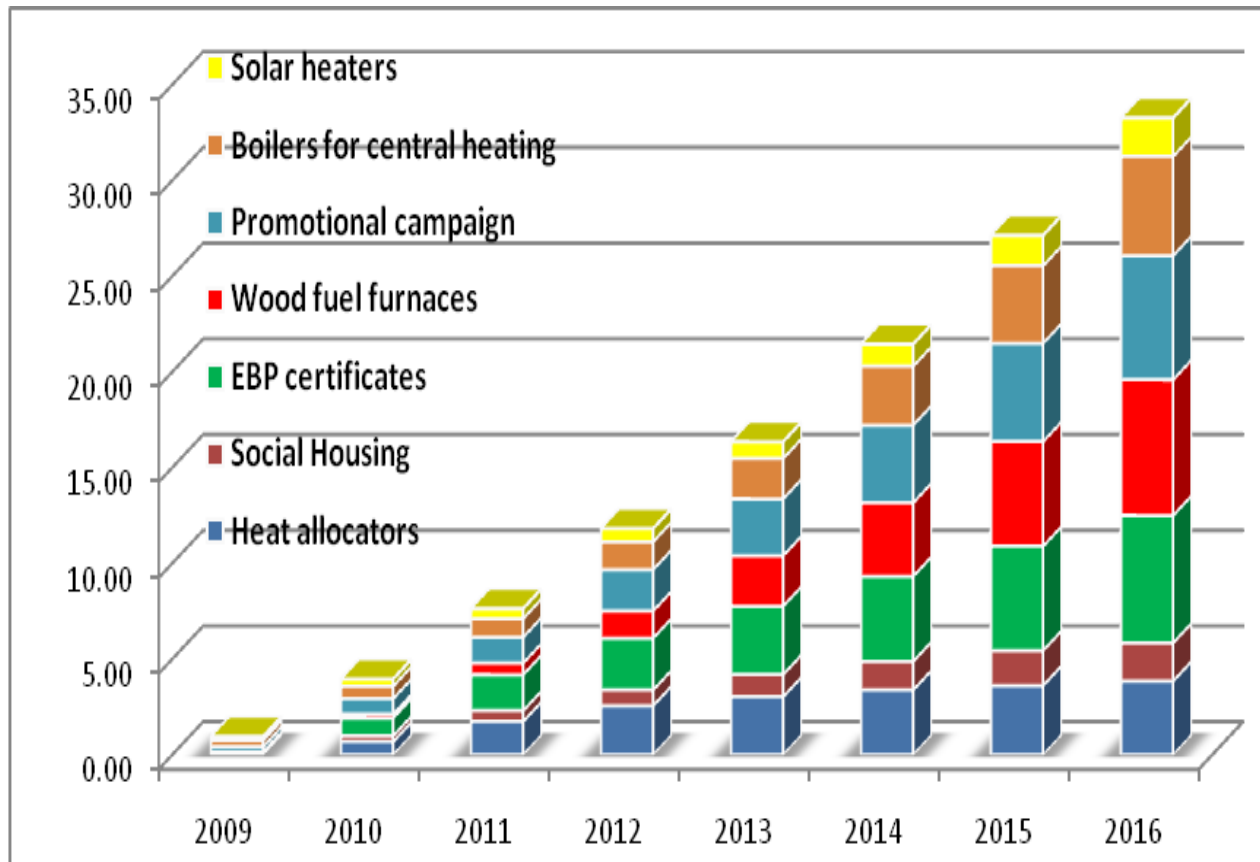


Source: ECS

- **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**

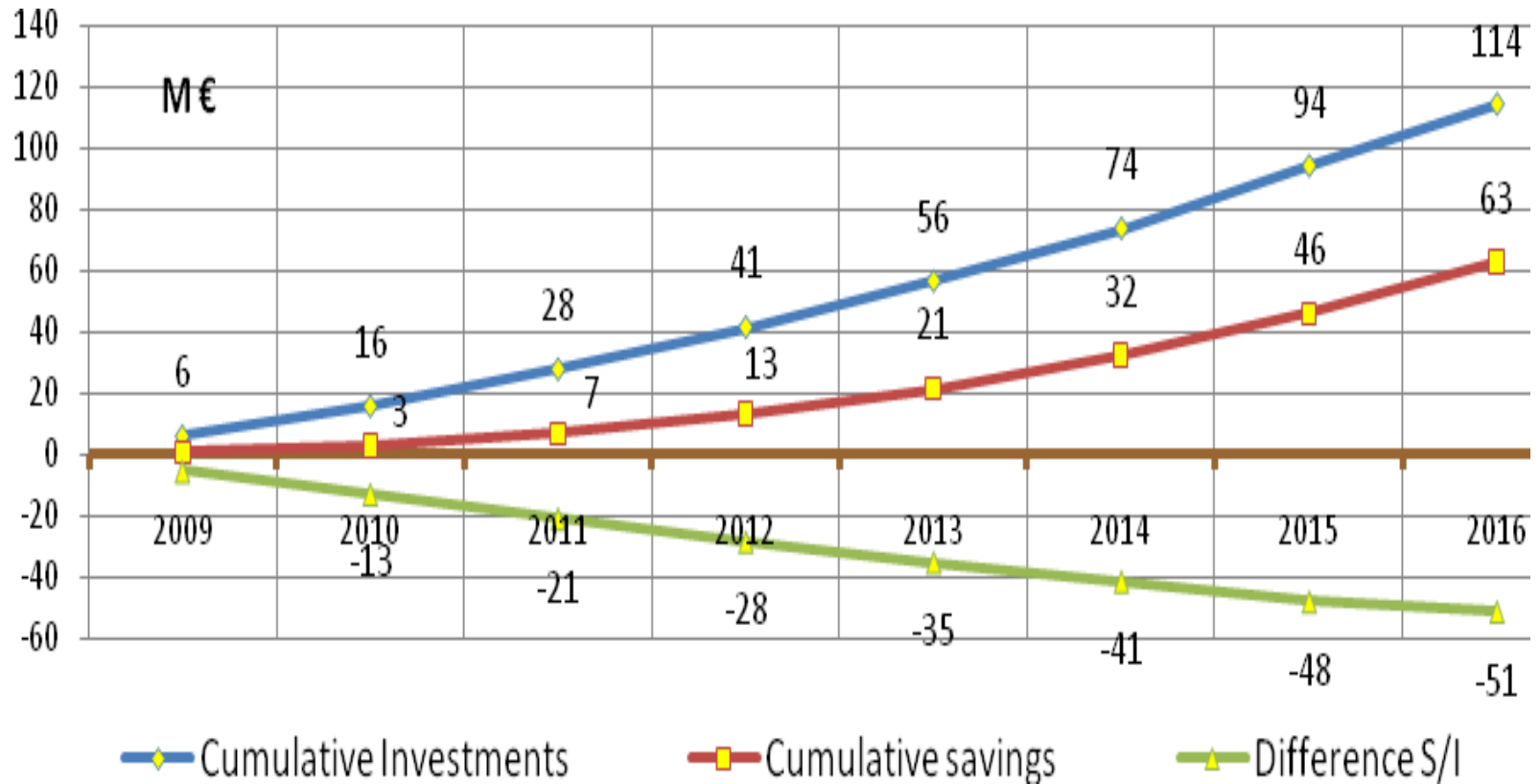


# CONTRIBUTION OF INDIVIDUAL MEASURES



Source NEEAP Former Yugoslav Republic of Macedonia

# INVESTMENTS AND SAVINGS

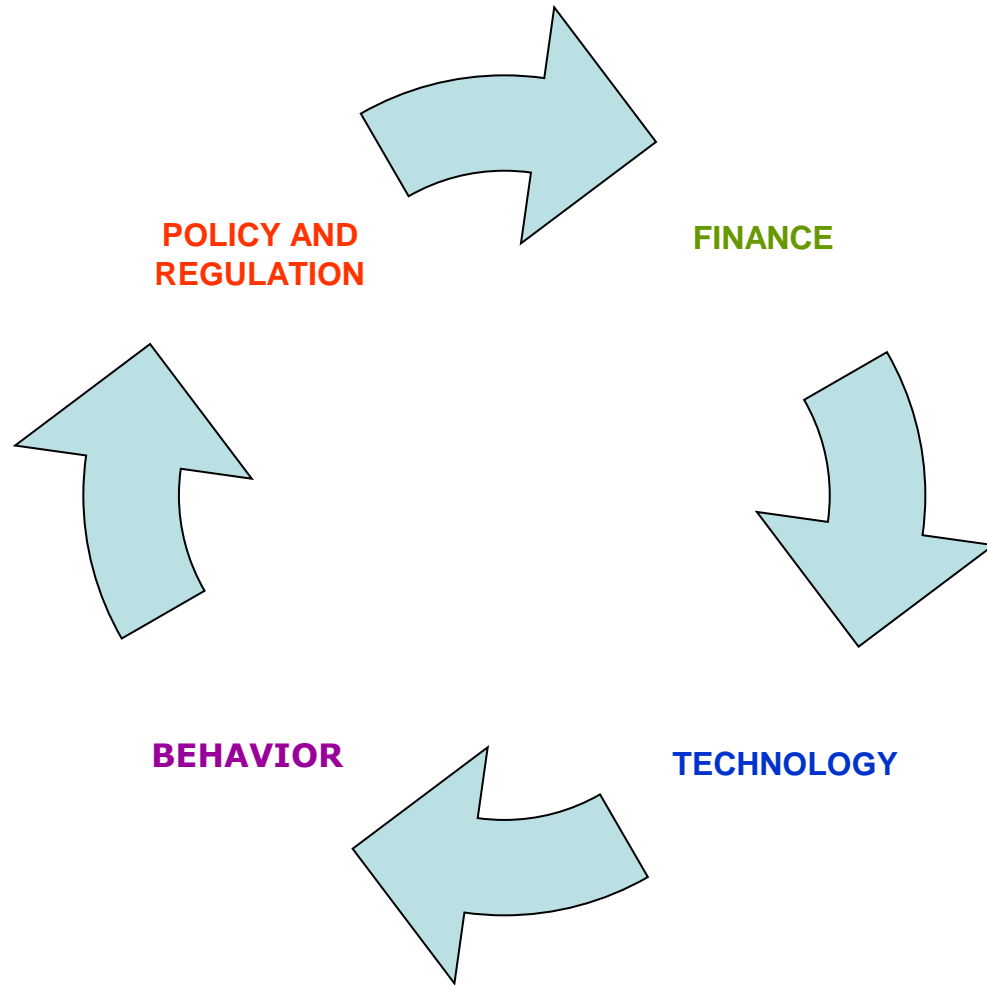


Source NEEAP Former Yugoslav Republic of Macedonia

- **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 INTRODUCE TARGETED FINANCIAL AND FISCAL INCENTIVES**
- **INCREASE PUBLIC AWARENESS**
- **EDUCATION, TRAINING AND COMMUNICATION**





**A HOLISTIC APPROACH!**

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**IT IS TIME FOR ACTION!**

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**Thank you for your attention!**

**[www.energy-community.org](http://www.energy-community.org)**