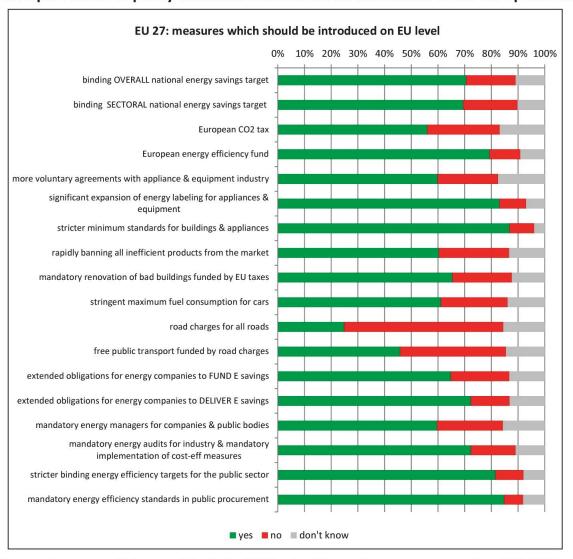
Exchange of know-how and best practices in selected economic sectors on how to improve significantly energy efficiency in the United Nations Economic Commission for Europe region

Aleksandar Dukovski



STATE OF ENERGY EFFICIENCY POLICY IN THE REGION

Figure 5. Expert views of policy measures that should be introduced in the European Union



Source: Progress in energy efficiency policies in the EU Member States - the experts' perspective. EEW 2012

STATE OF ENERGY EFFICIENCY IN THE REGION

Figure 6. Country experts likes and dislikes, preferences of energy efficiency policies in European Union Member States

	LIKE LIKE		DISLIKE	
White Certificates	France	63%		
	Italy	57%		
	UK	45%		
Voluntary Agreements	Sweden	84%	Austria	53%
	NL	79%	Lux	50%
	Denmark	73%	Spain	45%
Obligations for energy companies	Denmark	100%	Cyprus	38%
	UK UK	86%	Lithuania	38%
	Slovenia	73%	Hungary	33%
Energy Audits	Denmark	93%	Cyprus	50%
	Austria	92%	Lithuania	31%
	Czech R.	90%	Belgium	31%
Qualification, accreditation	Estonia	82%	Cyprus	50%
& certification (e.g. E Service Providers)	Austria	75%		
(0.8 0	Denmark	73%		
EE Funds	Slovenia	100%	Italy	32%
	Cyprus	88%	Portugal	37%
	Czech R.	82%	Romania	29%
Smart Metering	Finland	80%	NL NL	39%
			Estonia	36%
			Germany	36%
			Slovenia	36%

Source: Progress in energy efficiency policies in the EU Member States - the experts' perspective, EEW 2012

RECOMMENDATIONS OF ENERGY EFFICIENCY POLICY

The best practice policies

Notes outline how the policy meets the 'best practice' attributes. Orange shade denotes an area for attention Exemplars – referenced examples of policies and measures of the best practices from around the world

Pclicy / me asure		Policy Attributes	
	Significant economic energy demand reductions and significant multiple benefits	Complementarity, synergies and integration attributes Political alignment, governance and accountability attributes	Marketability and market impact
Gove hment	Typically grants are	Good design of grants can Consumers see	Consumers
grants	best applied to	ensure synergies between grants as a tangible	and market
	demonstrate, leverage	the different policy and usually	players
	funds, or initiate	priorities in a country. welcome offer from	receive
	market transformation	Grants can be tailored to / government.	tangible
	programmes. Ideally	needs and be phased in	incentive
	grants will have a	and out to balance and	signals such
	defined exit strategy so	synergize with other	as financial or
	they do not displace	policy priorities.	tax benefits.
	private funds.		
UK Warm Front. From 2002 to 2013 the United Kingdom government offered grants for thermal insulation to tackle energy poverty under its Warm Front Scheme. 1.7 million United Kingdom households took up grants resulting in a reduction of heating energy intensity of 35% from 63 GJ/m ² in 2001 to 0.41 GJ/m ² in 2011.			

EXAMPLE

Utilities –
White
Certificates

It is difficult to discern impacts of white certificates from other policy instruments, and free-rider effects.

Are expected to initiate diverse operational outcomes depending on cost effective potentials.

Can fit the political desire to motivate utilities to deliver energy efficiency when no other incentives exist.

Variable implementations as these schemes rely on utilities being motivated to step beyond their traditional roles.

PEEREA. Trading Mechanisms for Delivering Energy Efficiency covers policies such as White Certificates Schemes, in place in a few countries. This study examines the experiences with White Certificates Schemes, identifies the key design features that affect performance, evaluates effectiveness and offers advice on how developed and transition economies might proceed with such schemes.

http://www.encharter.org/fileadmin/user_upload/document/White_Certificates_2010_ENG.pdf

Italy. The 2005 white certificate scheme costs EUR 172 million per year, and has achieved 35 GWh per year in energy demand reduction at a cost of EUR 0.005 per kWh avoided energy demand. (IEA 2013)

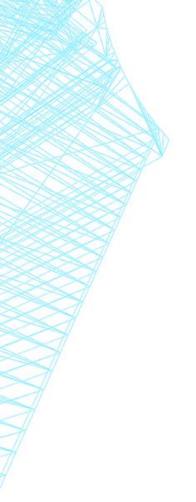
http://www.iea.org/publications/freepublications/publication/energy-efficiency-market-report-2013.html

France. The French white certificate scheme CEE (Certificats d'economie d'energie, Energy Saving Certificate) applies to energy suppliers (including transport fuel suppliers since 2011). From 2006-2009, the scheme achieved EUR 4.3 billion lifetime energy cost savings from EUR 3.9 billion investment at a cost of EUR 0.0042/kWh avoided energy demand. (IEA 2013)

http://www.iea.org/publications/freepublications/publication/energy-efficiency-market-report-2013.html

NEXT STEPS FOR PROMOTING ENERGY EFFICIENCY IN THE REGION:

- ➤ Analysis of the barriers that hinder energy efficiency
- Joint work on reporting and data gathering methodology
- ➤ Technology recommendation ?!?





THANK YOU

Aleksandar Dukovski

dukovski@ea.gov.mk

+3892 32 30 300

www.ea.gov.mk