‘Alternative’ energy strategies in CEE (?) countries

Sustainable energy systems for CEE countries – modelling and cooperation meeting

Green Workshop Foundation & Energiaklub, Budapest,

3rd November 2016

Supported by:

Main objective of the **SEE SEP** project is fact based dialogue with key decisions makers to influence policy and practice for a more sustainable energy system in South East Europe, aligned with key EU Policies and Directives.

18 Civil Society Organizations

Organizations	Role
See Change Net	Lead Partner
WWF, CEEBW, CAN	EU Partners
EDEN center, Ekolevizja group	AB
CPI, CZZS	BA
DOOR, FSO	HR
ATRC	KV
Analytica, Front 21/42, Ekosvest	MK
Green Home, MANS	ME
CEKOR, NGO Fractal	SE

NOTE: 1) This designation is without prejudice to positions on status, and is in line with UNSCR 1244 and the ICJ Opinion on the Kosovo declaration of independence. Hereinafter referred to as Kosovo; 2) According to the UN, the official name for Macedonia is The former Yugoslav Republic of Macedonia. Hereinafter referred to as Macedonia.

Supported by:

HOW DO WE SEEK TO INFLUENCE ENERGY PLANNING TOWARDS EU STANDARDS AND GOALS?

SEE CHANGE NET FOUNDATION

South East Europe Sustainable Energy Policy

PARTNERS

SEE CHANGE NET FOUNDATION
EDEN Environmental Center for Development Education and Networking
Public Interest Advocacy Center
DOOR
atrc Advocacy Training & Resource Center
analytica thinking laboratory
GREEN HOME act green
CEKOR
Fractal
FORUM ZA SLOBODU ODGOJA
FRONT 21|42
EKO-CBECT
mans
WWF
CEE bankwatch network
CAN CLIMATE ACTION NETWORK Europe

SUPPORTERS

Department of Energy & Climate Change
CLIMACT
ITRI Industrial Technology Research Institute
SANDER + PARTNER
RAEL Renewable & Appropriate Energy Laboratory
OAK FOUNDATION
B|T|D The Balkan Trust for Democracy A PROJECT OF THE GERMAN MARSHALL FUND
UNDP

SEE 2050 ENERGY MODEL

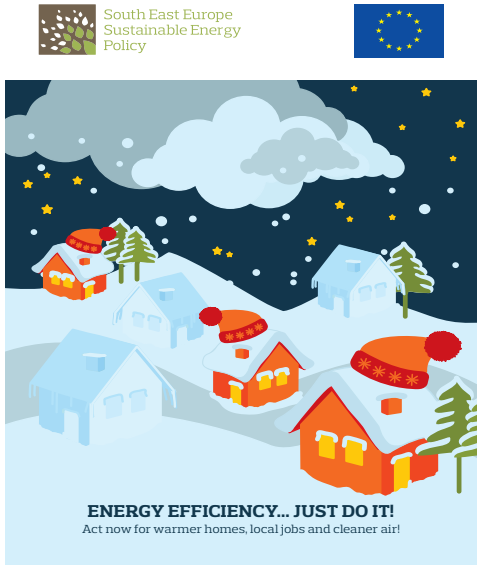
SEE 2050 CARBON CALCULATOR

- Seek to redirect money flows
- Influence tightening of legislation
- Reframe policy dialogue
- Awaken public opinion

Supported by:

Department of Energy & Climate Change
OAK FOUNDATION
CLIMACT

WHAT DOES THAT STARTEGY INVOLVE ?



SEE 2050 Energy Model

- Development of SEE Low Carbon Roadmap
  - Supply and demand sector analysis
  - 7 national, 1 regional model

Red Flag Reports

- Evidence based research in the following areas
  - Financial support from the EU and IFIs for the energy sector in SEE
  - Corruption in SEE energy sector
  - Quality of SEA/EIA of hydropower projects
  - Energy Efficiency in SEE
  - Energy Poverty in SEE

Energy Community

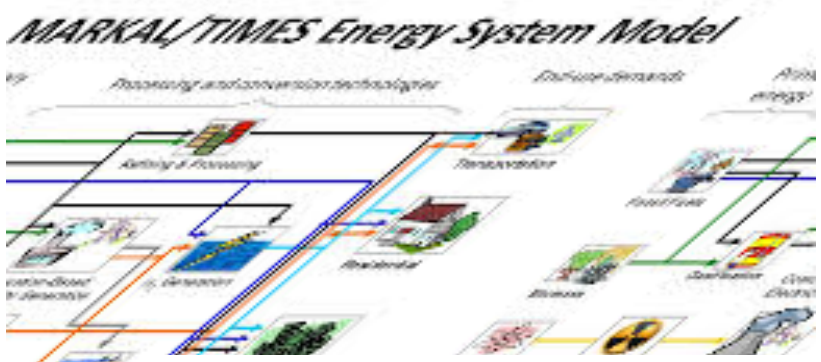
- Monitoring and Policy inputs to the
  - Reform process and extension of the Treaty
  - PECI
  - Other policy developments (LCPD/IED, Energy Efficiency Directive, etc.)

Leadership and Network Development

- Strengthening leadership capabilities and network development
  - *Collaborative Leadership Workshop*

Supported by:

Models, Models, Everywhere…



Criticisms

Public policy energy models have been criticized for being insufficiently transparent. The source code, data sets, and assumptions should at least be available for peer review, if not explicitly published.

To improve transparency and public acceptance, some models are undertaken as open-source software projects, often developing a diverse community as they proceed.

Supported by:

Why we picked the 2050 Calculator…Part 1

Representative Simulation

The model provides the capacity to easily explore a large variety of scenarios on the full energy system

The model takes into account the existing literature and can represent most scenarios performed in previous studies

Stakeholder Involvement

Key stakeholders are consulted, and brought on-board on the methodology

Key stakeholders are provided with an opportunity to review the assumptions during the consultation and through a final call for evidence process

All stakeholders can generate pathways representing their views

Transparency

All model assumptions are accessible through presentations

All the model assumptions presented are directly placed in the model

Supported by:

Why we picked the 2050 Calculator…Part 2

Accessibility

The model runs on an open-source spreadsheet in Excel

Three different stakeholder interfaces improve the debate at various complexity levels (schools, decision makers and experts)

Credibility

The model is successfully trialled by the UK DECC(1), and other leading institutions have contributed to enriching it, including the IEA(2), the WRI(3), The Chinese Energy & Resource Institute, the LSE(4) and ICL(5)

In the past 3 years, above 20 countries have started to use this methodology

Potsdam now leads an HORIZON programme called EUCalc to produce a 2050 Calculator for every EU member state

Modularity & Complementarity

Its Excel structure makes it very flexible. It is also often used in combination with other models (both simulation & optimisation)

It clearly states its capability boundaries, which makes it an excellent complement to other models

Supported by:

Main Actors – Energy Experts

Dan Kammen

Noah Kittner

Barney Jeffries

Besim Islami

Tomislav Pukšec

Aleksandar Dedinec

Michel Cornet

Guy Turner

Supported by:

Coalition Building

SEE CHANGE NET FOUNDATION

South East Europe Sustainable Energy Policy

MEP JERZY BUZEK

DR BETRAND PICCARD

Supported by:

Department of Energy & Climate Change

OAK FOUNDATION

CLIMACT

SEE 2050

Speak now or forever hold your peace...

Over 1,500 individual consultation responses

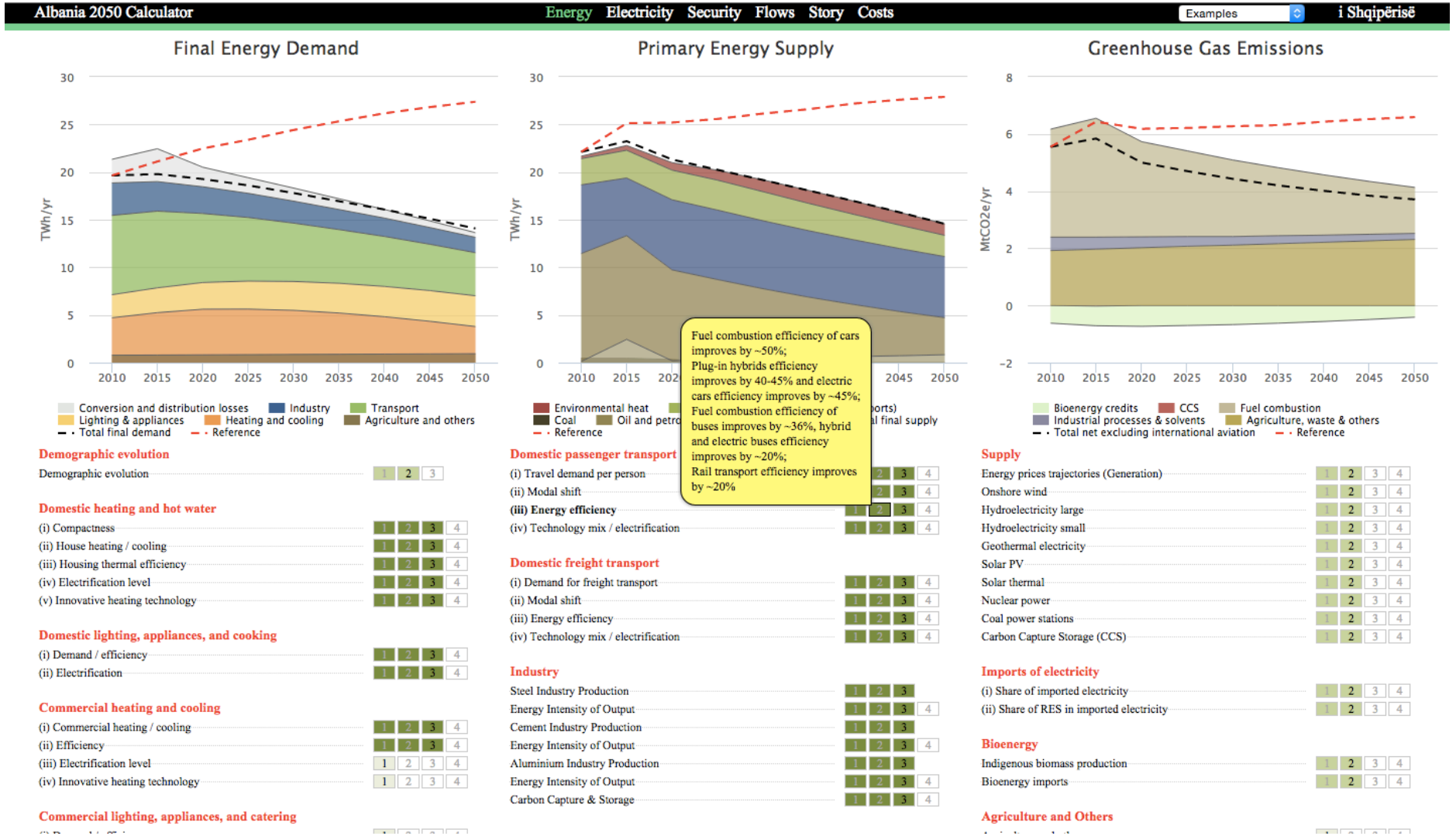
Presentations in Brussels and Vienna as well as Tirana, Sarajevo, Zagreb, Pristine, Skopje, Podgorica and Belgrade

Agreed to be hosted by Energy Community Website

Supported by:


2050

SEE 2050 Energy Model - Tier 2



7 Models, One for Each Country

One regional interactive model

Demand Levers 28

Supply Levers 14

Designed to engage policy makers

Agreed to be hosted by Energy Community Website

Supported by:

2050 Energy Model –Interactive Video

- 7 Models, One for Each Country
- One regional interactive model
- Simplified to 6 or 7 Demand Levers
- Simplified to 6 or 7 Supply Levers
- Designed to attract public discussion
- Opportunity to become focus for Global 2050 Calculator Meeting in 2017

Supported by:

HOW DO WE SEEK TO INFLUENCE ENERGY PLANNING IN LINE WITH OUR AIMS?

SEE CHANGE NET FOUNDATION

South East Europe Sustainable Energy Policy

PARTNERS

SEE CHANGE NET FOUNDATION · EDEN Environmental Center for Development · Public Interest Advocacy Center · DOOR · atrc Advocacy Training & Resource Center · analytica thinking laboratory · GREEN HOME act green · CEKOR · Fractal · FORUM ZA SLOBODU ODGOJA · FRONT 21|42 · Eko-svest · mans · WWF · CEE bankwatch network · CAN Climate Action Network Europe

SUPPORTERS

Department of Energy & Climate Change · CLIMACT · ITRI Industrial Technology Research Institute · SANDER + PARTNER · RAEL · OAK FOUNDATION · B|T|D The Balkan Trust for Democracy, A PROJECT OF THE GERMAN MARSHALL FUND · UNDP

SEE 2050 ENERGY MODEL

SEE 2050 CARBON CALCULATOR

- Seek to redirect money flows
- Influence tightening of legislation
- Reframe policy dialogue
- Awaken public opinion

Supported by: Department of Energy & Climate Change · OAK FOUNDATION · CLIMACT

2050 petition

Supported by:

The “Yes We Can” Moment

SEE CHANGE NET FOUNDATION

South East Europe Sustainable Energy Policy

Supported by:

Department of Energy & Climate Change

OAK FOUNDATION

CLIMACT

What did the DG NEAR ROM Evaluation conducted in August and September say?

"The Energy Model has been used to increase the awareness among the national decision makers regarding best practice solutions for more sustainable energy policies, aligned to the EC policies and directives. The national authorities are well aware of and have been involved in the modelling process."

Supported by:

What did the DG NEAR ROM Evaluation conducted in August and September say?

"The interaction with the ministries, energy operators, technical faculties and the EU Delegations (EUD) is remarkably good."

"The ownership at the level of EU institutions is very good. The representatives of DG ENERGY, European Parliament (selected MPs) and the Energy Community are closely involved and are instrumental to the project's objectives."

Supported by:

Main Actors – Energy Modelers


Ana Ranković


Naida Taso


Ivana Rogulj


Irma Filipović Karadža


Tanja Jokić


Sonja Zuber


Ana Stojilovska


Sanja Orlandić


Anyla Beqa


Lira Hakani


Zvezdan Kalmar

Supported by:

Thank you for listening

Questions more than welcome…we will see if I can answer them!!!

Garret Tankosic-Kelly – garret@seechangenet.org

Supported by: