



South East Europe
Sustainable Energy
Policy

LOW CARBON PATHWAYS IN SOUTH EAST EUROPE

ECRAN Workshop of March 18 2015

Tirana



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The Balkan Trust
for Democracy

A PROJECT OF THE GERMAN MARSHALL FUND

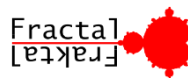


SEESep is a Regional collaboration for Sustainable Energy Policy in SEE



South East Europe
Sustainable Energy
Policy

17 civil society organisations



Our Mission is to support transition toward a low carbon economy in the context of EU integration and EU-wide greenhouse gas emission reductions of 80 to 95% in 2050

Recognition for
local contexts
and constraints

Consistent
framework

Regionally
coordinated

Strengths

independent

Research
driven and
action oriented

Knowledge
sharing

International Funding

- Supported by the EU, BT, UNDP



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We are part of a growing Global 2050 Community



South East Europe
Sustainable Energy
Policy



UK



Belgium



China



South Korea



South Africa



India



Japan



Taiwan

South East
Europe

Albania, Bosnia and Herzegovina, Croatia,
Kosovo¹, Macedonia², Montenegro, Serbia



Mexico



Colombia



Brazil



Bangladesh



Vietnam



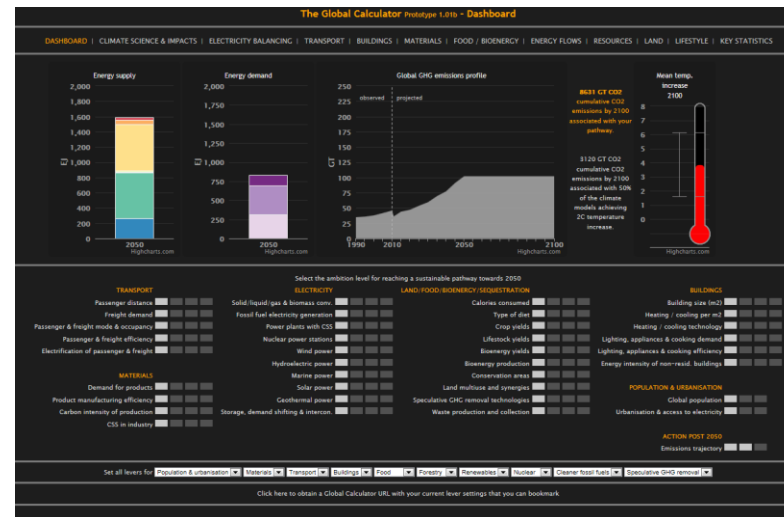
Thailand



Indonesia



Hungary



<http://www.globalcalculator.org/>

"Yes, it is physically possible that all 10 billion people in the world could eat well, travel more and live in more comfortable homes, whilst at the same time reducing emissions to a level consistent with a 50% chance of 2°C warming."

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.



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What has been done so far?



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Analysis documents availability

Sector	Approach	Progress
 Supply	<ul style="list-style-type: none"> • Sectorial analysis (demand and supply side) <ul style="list-style-type: none"> • Robust analysis <ul style="list-style-type: none"> • identification of the levers and definition of their ambition levels (1 to 4) to ensure that a wide range of potential futures could be tested • Literature review (more than a 100 studies reviewed in the region) and data collection • Technical consultations – including industry, government and academia (more than 30 meetings and more than 500 relevant stakeholders and experts consulted) • Consolidated analysis and modeling 	Review and refinement
 Buildings		Review and refinement
 Transport		Review and refinement
 Industry: Cement, Steel, Aluminium		Review and refinement
Agriculture and waste		High level, not modelled



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Call for Evidence launch on 23rd March



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Sustainable Energy
Policy

An invitation
To help improve the
SEE 2050 Calculators

[http://seechangenetwork.org/call-
for-evidence](http://seechangenetwork.org/call-for-evidence)

23rd of March until 30th of April

- **Web based consultations**
- **Power points per country and per sector published**
 - Contextualisation
 - Hypothesis explanation
- **1 excel model per country published**
 - Baseline data and projections
 - Energy
 - Emissions
 - Costs

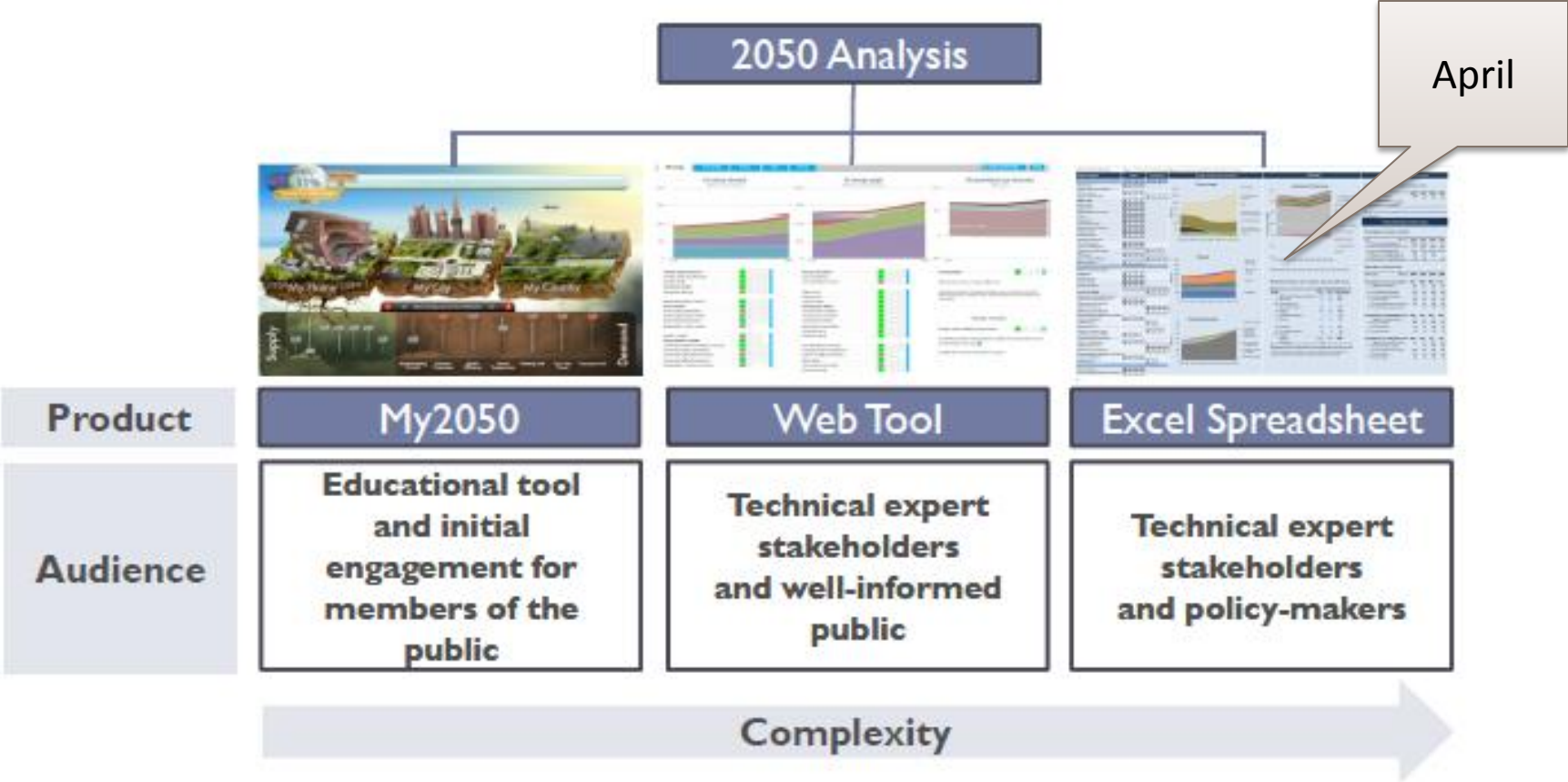


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Scenarios/storylines built on the basis of stakeholders consultations



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Preliminary

All levers put to work while not pushing them to their maximum.

Spatial planning, social innovation and networks, diet, work arrangement, attaching less importance to large cars, large dwellings, preference for biking, lower meat consumption, more investment in public transport, climate change awareness raising, ...

Behaviour
scenario

Balanced
scenario

Technology
scenario

Role of technologies such as electrification levels in the transport and buildings sectors, process changes in industry, etc....

-95% GHG
reduction scenario

Towards 100%
RES

Integration scenario

Stretch all levers to reach higher end of reduction range. Levers set at level 4 to explore the maximum potential and resilience of all decarbonisation options.. A major challenge for society, but not necessarily a complete paradigm shift.

Focus on the supply side, by assuming high intermittency levels combined with tighter grid integration and backup requirements.



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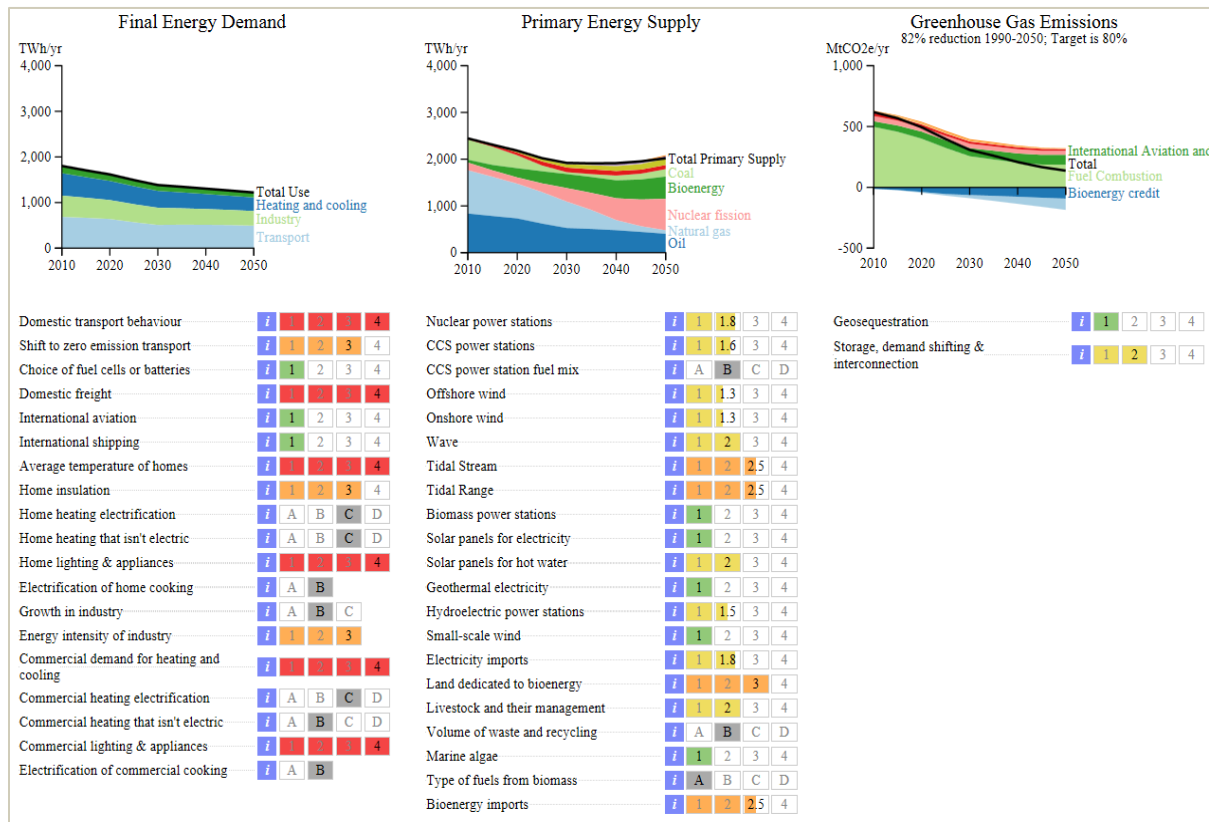


The calculator allows expert audiences to explore future scenarios



June
Policy

Europe
energy



- **Web tool for each country** to allow users to define pathways and examine implications on:

- Greenhouse gas emissions
- Energy supply and demand
- Electricity
- Security of energy supply
- Costs

- **Draft SEESEP EU integration and decarbonization pathways (country based and regional) for stakeholder consultations**



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My 2050 for public engagement in SEE countries



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September



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Milestones



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March & April

June

September

Web tools
development

Finalize excel
structure and refine
data based on the
Call for Evidence

Develop and launch
web tools for
countries of the
region

Develop and launch
My 2050 for
countries and the
region

Scenarios
work

Analyse different
pathways and develop
key findings for
stakeholder
consultations (country
based and regional)

Consultations around
pathways

Promotion of 2050
pathways

Findings will drive a
need for new
information



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Thank you

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