



SEE Capitalisation & Thematic Pole Low carbon communities



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Jointly for our common future



SEE Programme Capitalisation initiative

Thematic Capitalisation initiative of South- East Europe (SEE) Programme launched in the **spring of 2013**.

The 122 projects in SEE Programme **working on similar topics** were grouped into around 10 “**Thematic Poles**”. E.g. Knowledge Transfer to SMEs, Greener transport systems, Employment and Demographic Change, ...

SEE Capitalisation process aims to...



...strengthen the links between projects

working on similar topics (“Thematic Poles”),
to enable projects to **exploit** and consolidate one another’s **achievements**,
and create a higher leverage effect. This will **enhance** the **visibility** and impact
of both projects and Programme. A reinforced and more structured approach
to valorise the SEE knowledge base will allow to derive **inputs** and
recommendations in view of the **upcoming programming period**.

Thematic Pole- Low carbon communities

Main characteristics of the Pole 'Low carbon communities'



12 of the SEE projects were selected to be the members of the Thematic Pole 'Low carbon communities'.

Projects sharing a **concrete approach towards low carbon local communities in different ways but having a common aim of making local authorities resource efficient.**

Energy efficiency (EE) policies at local level by the strong involvement of relevant municipalities and stakeholders. Furthermore, **renewable** sources present and/or developed in the programme territory (e.g. hydropower, geothermal at low temperatures, solar) have a strong potential to provide an additional input to local policies.

Membership:

SEE project members:

RE-SEEties, EFFECT, ENERSUPPLY, M2RES, MILD HOME, SEE HYDROPOWER, SNAP-SEE, TRACE, WideTheSEE, EnVision'2020, GeoSEE, LOCSEE

We widened the scope: **'fellow'** initiatives/organisations/projects
ZEROWASTE, RENERGY, LEGEND, ALTERENERGY, City SEC, MANERGY

Each Pole has a **leader** project responsible for the **coordination** of the work and for the **communication with the SEE Programme's JTS.**

The Lead Partner of the **RE-SEEties** were asked to be the leader of the '**Low carbon communities Pole**'



RE-SEEties project, funded by
the South- East Europe Programme
Lead Partner: 18th district, Budapest



Achievements

Timeframe

From summer 2013 to **autumn/winter of 2014** (by projects' ending)

☐ **LinkedIn account and Facebook page of the Thematic Pole launched**

LinkedIn



☐ **Joint Newsletter** edition of the Thematic Pole

☐ **Green Development in South East Europe conference**, Fojnice, Bosnia and Herzegovina, 28-30 August 2013:

☐ **Barrier brainstorming** session of Pole members

☐ **Position Paper** targeting programming authorities, policy makers

Result- Joint Position paper submitted to the SEE Programme

Position paper- three main topics/challenge identified

- Assert point #1 **Capacity building** for national and local institutions and local communities
- Assert point #2 Institutional **tools** as tendering, **modeling** and planning
- Assert point #3 Creation/ensure proposals for the **improvement of** the legislative and regulatory **conditions** (i.e. permitting procedures)

□ Brainstorming:

□ Barriers > **common barriers**

□ Results > **transferability of the projects' results** in general and among projects



□ **Joint Position paper** (reflecting common barriers and outputs' transferability considerations) **drafted and commented on the spot during the meeting** targeting SEE Programme as a preparation for the upcoming programming period.

Logic:

- Barrier/**challenge**
- Solutions offered/**tools (outputs) developed so far** by the projects involved
- Conditions and solutions for **transferability** of these solutions to other SEE local authorities, further needs to overcome the challenges/barriers listed.

Achievements

☐ Further capitalisation of results:

☐ *Joint **database of stakeholders** for the Thematic Pole*

☐ *Key- word catalogue*

☐ Strategic cooperation with the capitalisation process of Alpine Space Programme

☐ *Extension of the stakeholder database, developed by the Thematic Pole, to the AIM project (and as such, to the Alpine Space area) to reach relevant actors at all level and reveal content synergies between the two areas.*

☐ *AIM website provides a platform to visualize the Low Carbon stakeholder database and/or key- word catalogue (excel format visualized online)*



**Our environment requires the use of clean and renewable resources,
as low-temperature geothermal energy**

GENERAL PROJECT DATA:



- 1.The GeoSEE project is financed through the Transnational Cooperation of South East Europe Programme
- 2.The GeoSEE project involves 16 partners (cities, local authorities, research institutions) from 8 countries - Italy, Serbia, Macedonia, Slovenia, Bulgaria, Rumania, Croatia, Hungary. (Project Lead Partner: Energy Agency KSENA / Slovenia)
- 3.The GeoSEE project is running for 24 months (Dec. 2012-Nov.2014)
- 4.Project budget Euro 2.045.625



Aim of the project

Demonstrate that innovative and sustainable use of low-temperature geothermal resources (less than 150 °C) are viable, especially when they are combined with other - solar, biomass, wind - renewable resources for heating, cooling and electricity production

Assess GeoSEE methodology to analyze data regarding hybrid potential for geothermal electricity production

Reduction of energy use , based on that hybrid use of geothermal energy contributes to make the utilization of lower temperature geothermal water economically more viable, to reduce significantly technological risk and improve therefore investment opportunities

Analyze the market penetration of the developed processes in each country

Reduction of greenhouse gas emission to mitigate the effects of the climate change



Project results

- Collected and organized updated geographical models and databases (WebGIS informatic system)
- Developed project-level geothermal case studies (Budapest XVIII district set up a hybrid geothermal-solar power plant' case study with Vecsés Town and Budapest Ferenc Liszt International Airport.)
- Executed process optimizations of the integration methodologies in order to scale up and generalize the results of the case study locations for the development of a regional model of integrated uses of hybrid RES to produce geothermal electricity
- Organized an international geothermal conference (with 270 seats full house) in Vecsés Town, with the participation of EGEC president, dr. Burkhard Sanner (29 April 2014)
- Represented the XVIII. District in national and international geothermal conferences (11th European Week of Regions and Cities, Open Days Brussels, October 10, 2013 Geothermal Energy “ReGeoCities” conference, WebGIS training in the geothermal city of Mórahalom, etc.)
- Allowed for primary school children in the XVIII. District and in Vecsés Town to better understand the use of geothermal energy (posters, lectures and questionnaires)



- South East Europe Program – 4th (final) call for proposals
- Priority Axis: protection and improvement of the environment
- Area of intervention: promote energy & resource efficiency
- Project duration: 01/10/2012 – 30/09/2014 (24 months)
- Budget: 2.249.103,66 EUR
- Partnership: - 8 SEE cities and regions: Budapest (HU), Potenza (IT), Miercurea Ciuc (RO), Egaleo (GR), Nitra (SK), Ptuj (SI), Ivanic Grad (HR), Skopje (MK)
- 5 knowledge providers: Energiaklub (HU), CNR-IMAA (IT), CRES (GR), REGEA (HR), MACEF (MK)

Aim of the project

To improve the integrated policy-making and strategic planning competences of SEE municipalities in the field of:

- ENERGY EFFICIENCY (EE),
- RES and WASTE VALORISATION

For the purpose of changing consumption patterns and supporting changing demands with innovative policy-making solutions, tools and incentives.

The project builds on the existing methodologies (e.g. LCA) of the SEAP elaboration process.

- FORECAST:** *Analysis* of current and future energy use and waste production at municipality level, to develop baseline data for strategic planning.
- **TECHNOLOGY:** *Studying the application* of sustainable energy and waste technologies in the urban context, to determine strengths, weaknesses, and potential synergies.
 - **CHANGING BEHAVIOUR:** *Addressing* various target of groups related to energy and waste by consulting stakeholder and decision makers.
 - **POLICY:** *Development* of innovative policy-making tools, practices and incentives for resource efficiency target groups.
 - **SYTHESIS:** *Sythesis* of project findings in the form of an **integrated toolkit** for SEE municipalities, building on existing sustainability strategies and tools.
 - **ENDORSEMENT:** Ensuring *wider uptake* of project results in SEE and EU, and endorsement at all policy-making levels.

Thank you for your attention!

For more information visit:

- http://www.southeast-europe.net/en/achievements/capitalisation_strategy/pole7/thematic
- <http://www.geosee.eu/>
- <http://www.re-seeties.eu>