



## *D2.4 First draft of final CHP roadmap* **BULGARIA**

*May 2013*

*The South Eastern Europe CODE2 Region draft roadmap for non-pilot Member States.*

*The CODE2 Region 'South Eastern Europe' comprises the following Member States:  
Bulgaria, Cyprus, Greece, Romania.*



## Introduction

The draft Roadmap for the non-pilot Member State Bulgaria in the South Eastern Europe CODE2 Region is submitted separately. The following update covers the non-pilot Member States.

A three parts structure has been agreed for the roadmaps:

- 1) Where are we now? Background and situation of cogeneration in the Member State
- 2) What is possible? Cogeneration potential and market opportunities
- 3) How do we arrive there: the Roadmap

Following the South Eastern Europe CODE2 Region Workshop, the format and final content outline for the individual non-pilot Roadmaps will be finalised. All of the Roadmaps for the Region will be available in September 2014.

What follows gives an overview of the progress on the Roadmaps for non-pilot Member States in the Region following the structure of the final Roadmap.

## Chapter 1 - Where are we now? Background and situation of cogeneration in the Member State

### 1.1, 1.2, 1.3 Current status, Energy and Climate Strategy, Policy Development

Status of information gathering	<ul style="list-style-type: none"><li>• Energy strategy of the Republic of Bulgaria for 2020, Council of Ministers</li><li>• Bulletin on the State and Development of the Energy Sector in the Republic of Bulgaria 2012, Ministry of Economy, Energy and Tourism</li><li>• Law on Energy Efficiency 14/11/2008, Ministry of Economy, Energy and Tourism</li><li>• Second National Energy Efficiency Action Plan 2011-2013</li><li>• EU energy trends to 2030 — Update 2009, European Commission, DG Energy in collaboration with DG Climate Action and DG Mobility and Transport</li><li>• Eurostat data</li><li>• South East Europe Energy Outlook 2011, by IENE</li></ul> Contacts with Ministry of Economy, Energy and Tourism and CHP and energy experts. Already sent a questionnaire and waiting for response
Significant gaps	Still waiting for response from many of our contacts
Planned actions	Put some more pressure to some experts and organisations in order to get answers. Resend the questionnaire. Established a very helpful contact with Dalkia group who will give us some guidelines in order to reach more sufficiently experts and organisations

## 1.4 Awareness

Process of developing awareness assessment	Contacts with Ministry of Economy, Energy and Tourism and CHP and energy experts. Already sent a questionnaire and waiting for response
Status of analysis	Have analysis from experts and organisations who already answered a questionnaire
Significant gaps	Still waiting for response from many of our contacts
Planned actions/key milestones	Put some more pressure to some experts and organisations in order to get some answers. Resend the questionnaire

## 1.5 The economics of CHP

Process of developing economics assessment	Used the calculative tool produced by Stane Merše. Used also model data from Eurostat and other national official sources regarding energy prices
Status of analysis	Already used the calculative model for most of CHP equipment categories
Significant gaps	Waiting response from manufacturers and resellers about equipment and maintenance costs, although already have most info
Planned actions/key milestones	Contact again specific manufacturers to get some equipment and maintenance costs

## 1.6 Barriers to CHP

Process of developing barriers assessment	Have analysis from experts and organisations who already answered a questionnaire. Used sources such as Energy Strategy of the Republic of Bulgaria for 2020 and in South East Europe Energy Outlook 2011
Status of analysis	Already gathered barriers from official sources and CHP experts
Significant gaps	Need to speak to some more cogenerators to learn about any additional problems or barriers they faced
Planned actions/key milestones	Establish new contacts with cogenerators

# Chapter 2 - What is possible? Cogeneration and market opportunities

## 2.1 Market opportunities

Method of assessment of opportunities	Objectives and predictions for 2020 exist in Energy Strategy of the Republic of Bulgaria for 2020 and in Second National Energy Efficiency Action Plan 2011-2013
Progress to date	Already have predictions for 2020 from the sources aforementioned
Planned actions	Keep searching for any other official predictions

## 2.2 Considering the framework of the EED

This section will be developed following the first Member State workshop and will be based on the regional pilot roadmap and the outputs from the workshops.

## Chapter 3 - How do we arrive there: the Roadmap

### 3.1. Overcoming existing barriers and creating a framework for action

Status	Barriers and ways to overcome them are mentioned in Energy Strategy of the Republic of Bulgaria for 2020 and in Second National Energy Efficiency Action Plan 2011-2013
Planned actions	More research through the Energy Efficiency and Renewable Sources Fund (EERSF) and Sustainable Energy Development Agency (SEDA)

### 3.2 Possible paths to growth

Status	Objectives and predictions for 2020 exist in Energy Strategy of the Republic of Bulgaria for 2020 and in Second National Energy Efficiency Action Plan 2011-2013
Planned actions	More research through the Energy Efficiency and Renewable Sources Fund (EERSF) and Sustainable Energy Development Agency (SEDA)