



D2.4 First draft of final CHP roadmap **LITHUANIA**

May 2013

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

*The CODE2 Region 'Eastern Europe' comprises the following Member States:
Czech Republic, Estonia, Hungary, Latvia, Lithuania, Poland, Slovakia, Slovenia.*



Introduction

The draft Roadmap for the non-pilot Member State Lithuania in the 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 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	<p>General literature review: all major relevant available studies and reports were selected and reviewed:</p> <ul style="list-style-type: none">• Ministry of Energy of the Republic of Lithuania: Report of the Republic of Lithuania on the progress towards increasing the share of high-efficient cogeneration - according to Directive 2004/8/EC, January 2012• Second National Energy Efficiency Action Plan of the Republic of Lithuania, 2011• EU Handbook CHP Markets, Cross Border Bioenergy Project, October 2012• EU Handbook District Heating Markets, Cross Border Bioenergy Project, October 2012• District heating and cooling, Country by Country 2009 Survey, Euroheat & Power• The state of renewable energy in Europe 2012, 12th EurObserv'ER report• Lithuania: Energy efficiency report, Country report, March 2012 <p>We attended:</p> <ul style="list-style-type: none">• Fortum workshop "Heat Roadmap 2050 and Energy Efficiency Directive: Future of Heat Markets and DH Pricing in Baltic Countries and Poland - workshop on DH&C", Riga, Dec 2013 with Fiodor Kozliuk, Fortum <p>We have made additional contacts and discussion with:</p> <ul style="list-style-type: none">• Markku Nordstrom, Fortum
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Significant gaps	No specific larger gaps were identified so far. We would like to get more actual information on status and future role of industry and small scale CHP (non RES CHP)
Planned actions	Phone calls and personal contacts (CA-EED GM Vilnius) with stakeholders in September and October to collect missing data and get feedback on our findings and conclusions

1.4 Awareness

Process of developing awareness assessment	Information gathering based on standard CODE2 awareness form
Status of analysis	Starting phase
Significant gaps	Status of other actors will be evaluated in the next steps
Planned actions/key milestones	Phone calls and personal contacts planned in September and October

1.5 The economics of CHP

Process of developing economics assessment	Collection of energy data and economic assessment by CODE2 developed tool. Current CHP market situation discussion with contacts
Status of analysis	Starting phase
Significant gaps	Current energy market data and other relevant influencing factors on CHP economics are still missing
Planned actions/key milestones	Collection of specific CHP economic data for new CHP project and further discussions with experts are foreseen

1.6 Barriers to CHP

Process of developing barriers assessment	Information on past and existing barriers were collected and discussed with experts
Status of analysis	Starting phase
Significant gaps	Missing the latest barriers linked with current economic crisis and dynamic energy market development
Planned actions/key milestones	Further collection of information and discussions with experts on prepared conclusions

Chapter 2 - What is possible? Cogeneration and market opportunities

2.1 Market opportunities

Method of assessment of opportunities	Current potential assessment will be used, especially: <ul style="list-style-type: none"> Report on the Results of the Analysis of National Potential of Combined Electricity and Heat Generation in Lithuania Pursuant to Directive 2004/8/EC 2nd National Energy Efficiency Action Plan of Lithuania
Progress to date	Starting phase
Planned actions	Further discussions with experts on latest information and plans foreseen

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	Starting phase
Planned actions	Further collection of information and discussions with experts on proposed actions and measures

3.2 Possible paths to growth

Status	Starting phase
Planned actions	Final conclusions and recommendations will be prepared at the end of the Road map preparation