

**Minutes of Sustainable Now  
Staff Trainee Programme  
Siena Province (COE) and Rosignano Marittimo Municipality (COL)**

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**05.11.2009 (half day) ENERGETHICAMENTE PUBLIC CONFERENCE  
Castiglioncello (Livorno)**

Participants and contents:

***Energy planning: how enacting European addresses 20-20-20***

*Planning and opportunities at national level* – Environmental Ministry representant

*Regional Energy Plan Address and the different levels of planning* – R. Montagni, Tuscany Region

*Forecast of Provincial Energy Plan* - C. Toncelli, Livorno Province Assessor

*The Sustainable now European project: methodology and instruments for LEAP* – P. Casprini, Environmental Policies Sector Director of Siena Province

*The role of Energy Agency of Livorno Province (EALP) as possible partner of provincial Municipalities* – A. Naldi, EALP President

*Local climatic alliance: LACRE project* – G. Rossi, Livorno Province

*The project of new library in Rosignano Solvay* – Project managers

*Energy project of Rosignano Marittimo Municipality* – D. Donati, Environment Assessor of Rosignano Marittimo Municipality and A. Casucci, Urban Quality Sector Director of Rosignano Marittimo Municipality

**29.01.2010 (full day) workshop and seminar with stakeholders  
Rosignano Marittimo (Livorno)**

Participants and contents:

WORKSHOP

*Sustainable now project: the target of the project*, D. Morchain, ICLEI

*Rosignano Marittimo Municipality for Energy project, A. Casucci Rosignano Marittimo Municipality*

*Provincial Energy Plan of Siena Province, S. Petricci, Provincial Agency for Energy and the Environment representative of Siena Province*

*Rosignano Marittimo Municipality LEAP, EALP- Energy Agency of Livorno Province*

*Rosignano Marittimo Municipality LEAP and the involvement of stakeholders, V. Di Tommaso, Rosignano Marittimo Municipality*

*Support to elaborate LEAP for Rosignano Marittimo, I. Shaper, ICLEI*

## SEMINAR

*GHG inventory, ICLEI*

## **07.02.2011 (half day) workshop with internal staff Rosignano Marittimo (Livorno)**

Participants:

Sabrina Petricci (APEA for Siena Province)

Vittoriano di Tommaso (Rosignano Marittimo Municipality)

Explanation about steps to achieve GHG Balance:

- methodology
- sectors to investigate
- Verifying if all GHG can be investigated as relevant
- Reading all text about GHG Balance of Siena Province and comparison

Explanation about steps for Provincial Energy Plan:

- Baseline
- Environmental factors
- RES situation
- GHG Balance
- RES implementation calculation
- New scenario
- Reading all text about the start of procedure of new Provincial Energy Plan

Delivery of all material: GHG Balance, Provincial Energy Plan, Baseline on Siena Province environmental status etc.

### **13.04.2011 (half day) workshop with internal staff Rosignano Marittimo (Livorno)**

Participants:

Paolo Casprini (Siena Province)  
Sabrina Petricci (APEA for Siena Province)  
Vittoriano Di Tommaso (Rosignano Marittimo Municipality)  
Laura Buffa (Rosignano Marittimo Municipality)  
Franco Setti (Rosignano Marittimo Municipality)  
Roberto Bianco (EALP)  
Evelina Canini (EALP)  
Francesca Galiè (EALP)

Analysis about European, national, regional and local legal requirements to do LEAP.

Show experience of Siena Province about legal requirements.

Analysis about methodology and structure of LEAP by Siena Province experience.

Analysis of GHG Balance methodology to reply.

Analysis of Baseline Provincial Energy Plan methodology to reply.

Discussion about differences about Municipality and Province and field of application.

### **25.5.2011 (half day) Study visit Anaerobic Digestors in Montepulciano (Siena)**

Participants:

Sabrina Petricci (APEA for Siena Province)  
Andrea Rossi (Mayor of Montepulciano Municipality)  
Alessandro Angiolini (Environment Assessor of Montepulciano Municipality)  
Vittoriano Di Tommaso (Rosignano Marittimo Municipality)  
Leonardo Garro (Rosignano Marittimo Municipalità)  
Evelina Canini (EALP)  
Francesca Galiè (EALP)  
Clementino Cabrini (plant manager)  
Omar Pellegrini (plant manager)

Mayor and Assessor explain the involvement process of the stakeholder to achieve the goal to built the plant (since 2008). The communication campaign was developed by meeting with agricultural companies to show the future functioning of the plants and its results: seeding to harvest biomass seeds to give to the management plant to produce energy with the commitment to pick up vegetation waters and muds.

23 agricultural companies adhered to the project, plant management company rents their fields and supply the seeds for biomass vegetables that will be cultivated. The die is very short: 5 km. The CO<sub>2</sub> is used to mineralize the product, than there is not emission of CO<sub>2</sub>, CO<sub>2</sub> is used to grow the vegetables.

The material harvested – 13-15.000 t./year in 130-150 ha. - is packaged (recyclable) to not lose its important essences that can ferment. The process of making: solid is disincorporated, settled, pumped (hydrolysis), acidified, digested for biogas to obtain 500 mc/hour of biogas to produce 1MWe and 1,2 MW thermal/year (supply estimate: 650 flats of 80 ms).

When the plant will be completely finished, it will work day and night with 1 employee part-time.

The Municipality will have got as benefit gratis heat for some building.