



LANDNET
Fourth International Workshop
on Land Market and Land Consolidation
Budapest 12-15 November 2012

Italian Good practices:
from F:ACTS! to Green & Resilient Communities



UNCCEM
(National Union of Mountain Communities and Municipalities, ITA)

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Oil Free Zone – ACSM Group Primiero & Vanoi Local Community



ACSM group: the location

- ACSM Group operates in a territory that covers the municipal boundaries of its shareholders (13 local Councils) in the Autonomous Province of Trento;
- A mountainous territory rich in natural resources such as wood and water;
- Delicate natural beauty – UNESCO World Heritage National Park - Paneveggio Pale di San Martino;
- Coverage of about 786 km² (altitude ranging from about 600m to 3.000 m. above sea level);
- Approx. 18.400 residents or 23,4 /km²;
- Population peaks during the summer and winter tourist season;
- Principal economic activities: tourism, construction, alpine agriculture (ca. 1.500 UBA).



The role of ACSM group

- **Hydro-electric Power Production from 7 plants** (approx. 400 GWh / annum)

Electric Energy Distribution (37 km MT and 350 km linee LT lines)

- **Electricity Wholesale**

- **Management of Aqueducts** (town water supply)

Production, Distribution and Sales of Heating Services (district heating)

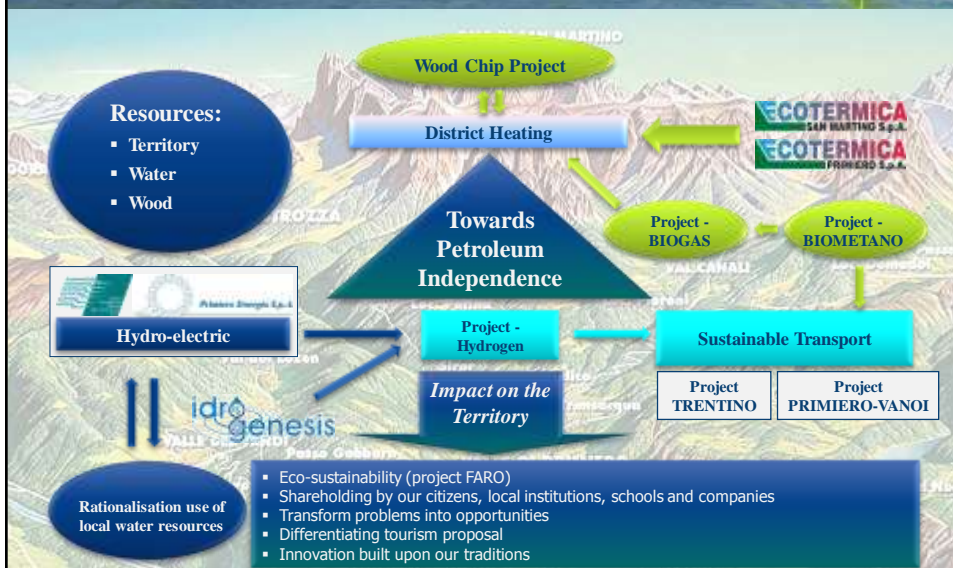
- **Garbage Recycling**



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ACSM group: the Project Oil Free Zone

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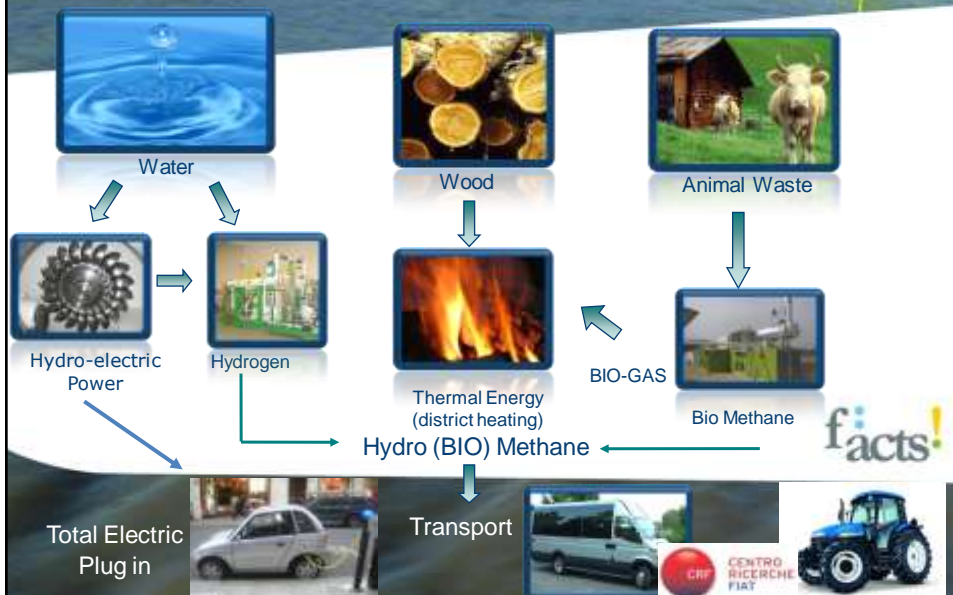
Project Oil Free Zone

The intent of this project is to end local dependency on oil and offer local tourism industry a differentiating factor for its client base. This project involves the collaboration of all business units:

- Auto sufficiency in electricity needs by using hydro, hydrogen, bio-methane and co-generation.
- Auto sufficiency in heating requirements utilising a district heating plant that runs on bio-mass (wood chip).
- Production of bio-gas utilising animal and compost waste.
- Production of hydrogen via electrolysis and steam reforming.
- Introduction of new transport facilities that run on these renewable non polluting energies.
- Promotion of energy saving.

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O.F.Z. Development lines



The scope of the OFZ project

- To build the basis for independence from “traditional fuels” and to reduce associated emissions and environmental pollution.
- Clean renewable energy permits a decrease in 100.000 tons of petroleum, (avoided emissions: 380.000 tons of CO₂).
- Encourage multiple use of land and resources
- Use of renewable resources existing in the local territory
- Empowerment of sustainable tourism
- Development of high competence and skills
- New business opportunities (domotica; Hydrogen value-chain; remote heating)
- Reduce risks and damages thanks to a strong territorial control
- Cultural change involving population, schools, industries and Professionals through a people-oriented approach (in 2010 ACSM distributed about 5,9 Million € to a population of 18.295)

ACSM Key Resilience Principle

Multifunctionality:

- Wood use for building material and residual used for energy production (biomass)
- Forest sustainable management for wood extraction + valorisation for tourism
- Hydropower for electricity and hydrogen production
- Biogas production for remote heating and biomethane (mixed with hydrogen)

Stakeholder involvement:

- Local banks,
- Enterprises
- 13 local municipalities Local training and competencies development.
- School, High School
- Universities
- Land Owners
- Research bodies
- Unions
- Business Associations

Economic feasibility:

- Turnover: approx. € 60 million
- Net Profit: approx. € 10 million
- Market Value: approx. € 130 million
- Local Employment: approx. 95 staff



Horizontal or institutional principles

people centered, multi-sector governance, economic viability

Physical or territorial principles

multi functional land, use and users, scale of operation

Project “my – valley”

Is a framework that embodies enabling processes, enabling products (technologies) and enabling programs (community and commercial content) to allow communities to take control of their own destiny – it is running thanks to ACSM Group and incoming.

- It is a self-help, self-realising and self-funding model
- A loyalty scheme and town fund to finance self-development programs
- Capture Leakage of Finances from Community
- More effective Utilities Management (electricity, water, gas and comms)
- Redirect funds to programs agreed to by community
- A Foundation because of: tax advantages for town, investors and philanthropists

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Enrico BORGHI
President of UNCEM

Green & Resilient Communities

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Green & Resilient Communities

THE MOUNTAINS & RURAL AREAS AT THE CENTRE OF A NEW MODEL OF SUSTAINABLE DEVELOPMENT

The key word between industrial districts and local communities, between technology and natural resources as well as between urban and rural areas, is **integration**.

**The novelty of the green economy is this:
there is nothing new to invent.**

Value is created primarily through the restructuring and recovery of existing components, introducing technological solutions that will also have the integration of traditional knowledge and artefacts as *drivers*, with the objective of creating a new model for sustainable development.

A new concept in terms of environmental improvement and of local socio-economic progress.



Green & Resilient Communities

The territory – **particularly in the mountains & rural areas – offers the strategic opportunity for our country to play a key role in the green economy:**

water, air, wood, forests become the fundamental assets for constructing a future that affirms the nation's ability to produce its own sustainable energy through hydropower, wind, biomass and solar, according to a vision of "localism" as the engine behind growth and innovation.

Uncem is also rethinking its own role of union representation, together with that of the mountain communities, which become "incubators" for the development of the area, connection points between public and local businesses, "agencies" able to activate economies of scale by translating the logics of the market to the local areas, but in a sustainable and subsidiary way.

Land Market and Land Consolidation, as LANDNET has clearly highlight, are fundamental issues to be included in the so call "integrated rural and regional development process"



Green & Resilient Communities

The “Green and Resilient Communities” project (in collaboration with the Green Mountain Italy Association as well as the Ministry of Environment) **proposes a system of governance capable of increasing innovation and entrepreneurship of the mountainous territories**, in order to overcome the tight limits so far established by the negotiated programme of traditional administrative instruments and which have rendered it impossible for the mountainous districts to embark on a path of auto-sustainable development.



Green & Resilient Communities

The challenge: **uniting the resources available in the territory with a new system of governance**

Institutions capable of project-managing their functions and of calculating their value as well as negotiating their competencies directly.

This is the connection which unifies our projects (from the analysis of the assets of local governance in the province of Belluno to the Oil Free Zone in the Local Community of Primiero and Vanoi in the Province of Trentino)

Uniting the resources available in the territory with a new system of governance, whereby the local institutions and communities really should be protagonists.



Green & Resilient Communities

The project **"Green Communities in the Convergence objective Regions"** is planned inside the Operative Interregional Plan "Renewable energies and energy saving (FESR) 2007-2013".

UNCEM, with the "Manifesto della Montagna" and the Green Mountain project is involved in supporting small Municipalities in development actions based on investment and gain rating services about local resources reconsidering subsidiarity level with urban territories



Green & Resilient Communities

Green Communities project cover 4 "Convergence" Regions: Calabria, Campania, Puglia and Sicily
Activities are organized in five operative lines:

- *Line 1: energetic diagnosys on buildings and public structures (public ownership);*
- *Line 2: Diagnosys both climatic and energetic of municipal and territorial systems. Focus on mountain and rural areas;*
- *Line 3. Feasibility studies on energy efficiency plans and interventions;*
- *Line 4: management, maintenance and development system of the forrest lands, related to climatic and energetic problems;*
- *Line 5: evaluation and dissemination*



Green & Resilient Communities

- FACTS - **Three horizontal or institutional principles** (people centered, multi-sector governance, economic viability)
- FACTS - **Three physical or territorial principles** (multi functional land, use and users, scale of operation)

GREEN & RESILIENT COMMUNITIES:

- Multisector Governance
- Economic Viability
- Scale of operation

On LANDNET, UNCEM-ANCI
is interested on future development

Thank you !

