### Excursion to the house for elderly persons and collective housing, wooden made low energy consumption building

House of 70 beds, winner of a national call for proposals on low energy consumption buildings, 60 kWh/m²/year (primary energy), bioclimatic design, equipped with renewable energies: geothermal heat pump, 64 m² solar thermal panels, 34 kWc photovoltaic panels, dual flow exchanger.

### Welcome and presentation of energy strategy of the Communauté de communes (association of municipalities) du Val d'Ille by Daniel Cueff, Mayor of Langouët, President of the Communauté de Communes du Val de l'Ille, Counsellor of Brittany Region

With Rennes Metropole, the Communauté de Communes du Val d’Ille is the second French local authority recognized as a supporting structure of the Covenant of Mayors. Aside of the housing developments that will be visited, the Communauté de Communes is implementing a sustainable energy action plan that will be described: economic development through eco-technologies, project of 11 MW PV plant, wind park, biogas…
Excursion to bioclimatic housing development “Pré Madame” of 12 houses and the work site of the housing development “La Pelousière”

Wooden made houses with cellulose insulation (17 mm) and very good airtightness, individual heating with wood boilers or heat pumps, solar thermal installations for hot water. Collective parking at the entrance of the housing development. Social criteria for the home-ownership.

Welcome and presentation of urban planning strategy by Bernard Poirier, Mayor of Mordelles, Deputy President of Rennes Métropole (urban area) in charge of Sustainable Development and President of the Pays de Rennes (Rennes region)

The region of Rennes is recognised for his ambitious strategy on urban planning, transport and preservation of local and sustainable agriculture. Bernard Poirier will describe the concept of “city-archipelago” that he developed and experimented, but also the way the local energy agency CLé, the urban planning agency AUDIAR and Rennes region support municipalities in the sustainable development of new districts.

Excursion to the ecodistrict Le Pâtis / Les Rues
68% collective housing and 32% individual houses, preservation of former buildings (farm of Patis), organisation around a central place with public equipments (nursery) and a pedestrian way organised around existing trees, hurdles and rivers, leading to the town's centre. Reorganisation of public transport to connect the district to the rest of the town (bus lines).

Welcome and presentation of the energy concept of the Communauté de Communes du Mené (association of municipalities) by Michel Fablet, President of the Communauté de Communes du Mené

The Communauté de communes du Mené (6 309 inhabitants) aims at becoming a « zero net energy » territory by 2012 (for heat and electricity), meaning a territory producing all the energy than he consumes. An action plan in 10 points was started 5 years ago for the period 2006-2010 leading to most of the realisations that will be visited. New actions are now starting for the next period: energy plus buildings, local smart grid…

Excursion to the business incubator Menerpôle

The main realisations in the Communauté de communes became reality in year 2010 and are both the driving force and the acknowledgement of his territorial approach. This is favourable to the dynamism of the business park and business incubator Ménérpôle, both dedicated to green technologies and created in 2009. This business area and incubator are the catalyst of territorial projects on energy, creating local jobs and resources.
### Excursion to the wood heating plant of the town of Le Gouray

12-Oct-10 Le Gouray  15:30:00

Under the initiative of member towns from the Communauté de Communes, two small district heating networks with biomass heating plants (cumulated power: 400 kW) were built and are in operation in Le Gouray and Saint-Gouéno. Two more are under construction, the objective being that one per town’s centre in the Communauté de Communes.

### Description of biomass resources of the territory and the way they are used, around the Abbey of Boquen

12-Oct-10 Plénée-Jugon  16:30:00

A large study on the upstream of wood supply chain concluded that the biomass resources are mixed on the territory (both hurdles and forests). It analysed under which conditions owners would accept to give access to the resources, and how the production and supply chain should be organised to optimise costs and supply. A decentralised organisation and management resulted from this conclusion.
Description of wind resources of the territory and the way they can be used, description of planned participative development, around the wind park of Trébry

A first wind park is under construction next to the wind park of Trébry. It will meet the domestic needs for specific electricity (without heating) of the whole community (3200 households). This project, called Citel Mené (« wind citizens ») is built on a participative approach with the creation of 8 Cigales (participative investment clubs) that gather local investors owning together 30% of the share capital. Two other projects are waiting for the building permit. All farms together will have 16 wind turbines.
### Excursion to the territorial methanisation unit Géotexia with Dominique Rocaboy, President of CUMA Mené Energie

The territorial methanization unit Géotexia is a collective unit of organic matter treatment initiated by MIR association. The treatment by methanisation process has a capacity of 35 000 tons of liquid manure and 40 000 t of byproduct from the local food processing industry. The cogeneration unit has an engine of 1,3 MWel.

### Excursion to the oil factory CUMA Menergol with Jacky Aignel, Mayor of Saint-Gouéno and Deputy President of the Communauté de Communes du Mené in charge of the Environment

This oil factory is managed by a cooperative of farmers called Menergol (more than 50 members). The small industrial unit has a processing capacity of 1200 ha of Colza and produces pure vegetal oil to fuel tractors of the members.