



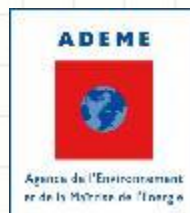
FRENCH OBSERVATORY FOR ENERGY PRECARIOUSNESS / POVERTY ONPE - OBSERVATOIRE NATIONAL DE LA PRÉCARITÉ ÉNERGÉTIQUE

**Observing Consumer Vulnerability
and Energy Poverty in the EU**

Example from a Member State

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ONPE Secretary



**EU – Vulnerable Consumer Working Group
Brussels, 3 June 2015**

January 2010 : National commitment against energy poverty

- Definition of energy poverty
- Programme « **BETTER LIVING** » led by Anah (Agence nationale de l'habitat)
1 250 M€ over 7 years
- Local contracts of engagement against energy poverty driven by the communities
- National Energy Poverty Observatory

Official definition (12 July 2010)

« Situation of energy poverty occurs when a person is experiencing particular difficulties to maintain energy supply in order to satisfy elementary needs due to the inadequacy of resources or housing conditions ».

The objectives of ONPE



- Improve knowledge on the phenomenon
- Gathering statistics and data of economic, social, sanitary and technical nature, in particular on the energetic quality of housing
- Analyse situation of households which are vulnerable
- Follow quantitative and qualitative manner, in the social and private housing stock, measures of curative and preventive aid against energy poverty
- Unite the different national actors involved in the fight against energy poverty
- Provide national and local policymakers with benchmarks to guide public policy, stimulate innovative schemes and mobilize all stakeholders

Chronology of the ONPE

- 2008: Conduct a feasibility study
- 2009-2010: Establish a steering committee
- March 2011: Sign an agreement between the partners
- July 2011: Launch a tender
- February 2012: Effective start of work
- August 2015: End of 1st period of 3 years
- End 2015: Launch 2nd period

The financial partners

- **ADEME (50 % of the budget)**
- **EDF**
- **GDF SUEZ (today ENGIE)**
- **National Energy Ombudsman**
- **National Observatory of Poverty and Social exclusion**
- **Social Union for Housing (Social Housing)**

The other partners

- **Ministries of Ecology / Housing / Social Action**
- **National Housing Agency (private housing)**
- **Regions of France Association**
- **Abbé Pierre Foundation for housing for disadvantaged**
- **National Federation of concession granting authorities**
- **High Committee for the housing of disadvantaged persons**
- **Green Building Plan**
- **National union for communal and social action centers**
- **Charities: Secours catholique, French Red Cross**

Indicators of Energy Poverty

- Current indicators are addressing two distinct approaches:
 - **The monetary approach** : a household is deemed to be in energy poverty if the expenses to heat the home and use the appliances are considered too high compared to the income (level of the budget coefficient)
 - **The approach by the restrictions** : a household is deemed to be in energy poverty if it has to limit the use of heating and appliances, thus reducing the comfort, so as to reduce the energy bills (assessed based on households' own reporting or modelling)
- Both approaches are of equal importance
- They are transposed, on the same terms, for mobility

Statistical surveys in France

Surveys conducted by INSEE and CGDD

- **National Housing Survey (ENL):**
70 000 households
1996 – 2002 – 2006 – 2013/2014 (results – end 2015)
- **Family budget (BdF):**
20 000 households
1995 – 2001 – 2006 – 2011
- **Phebus Survey:**
5 400 (social) and 2 400 (DPE) households
2013/2014 (results in June 2015)
- **National Survey on Transport Shift (ENTD)**
20 000 households

Energy rate efforts

TEE : Taux d'effort énergétique

- **First indicator used (unofficial)**

$$\text{Si TEE} = \frac{\text{Dépenses d'énergie du ménage (DE)}}{\text{Revenu total du ménage (R)}} > 10 \%, \text{ alors PE}$$

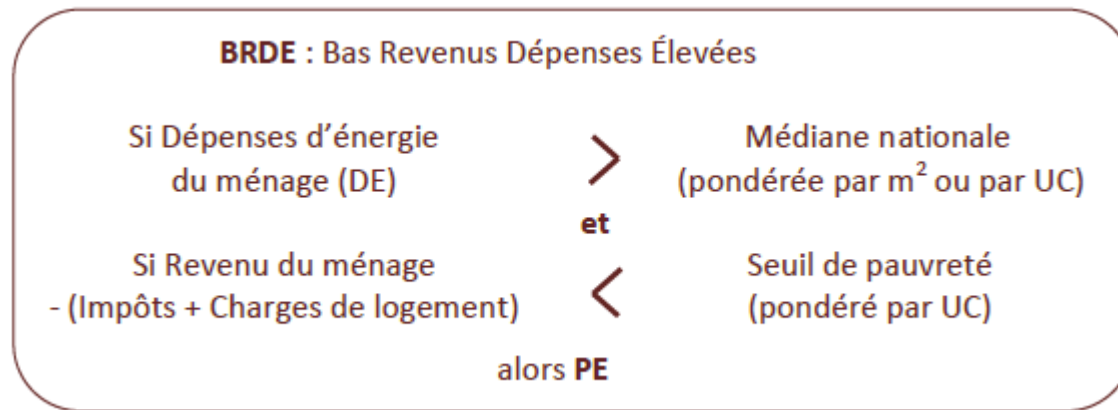
- **Variation : TEE « reduced » to the first 3 deciles of revenue**

Indicator BRDE

(Bas Revenus Dépenses Elevées)

Low Revenue Raised Expenses

- Indicator derived from the work of John Hills



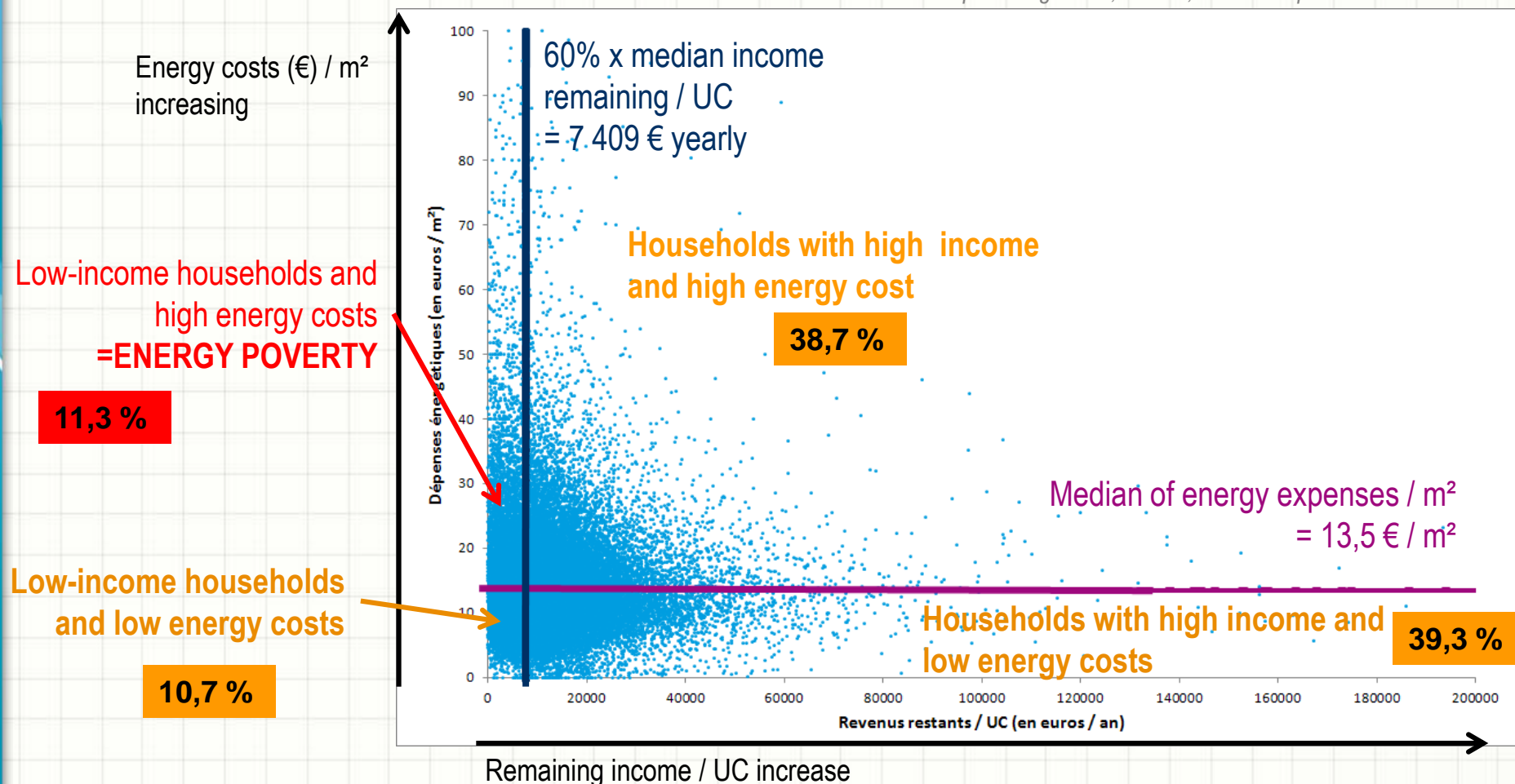
Poverty line = 60% of the median income

- Two variants:
BRDE per m²
BRDE per UC (consumption unit)

Fraction of French households concerned

French households by income / UC and energy costs / m²

Source : Enquête Logement, INSEE, 2006 – Exploitation CREDOC



SENSATION OF COLD Indicator

- Indicator from a question of ENL
- «During last winter, in your home, did your household suffer for at least 24 hours from the cold? »
- **3 variants :**
 - Cold "reduced" to the first 3 deciles
 - Cold "reduced" to 3 motifs
 - Cold "reduced" to the first 3 deciles and 3 motifs

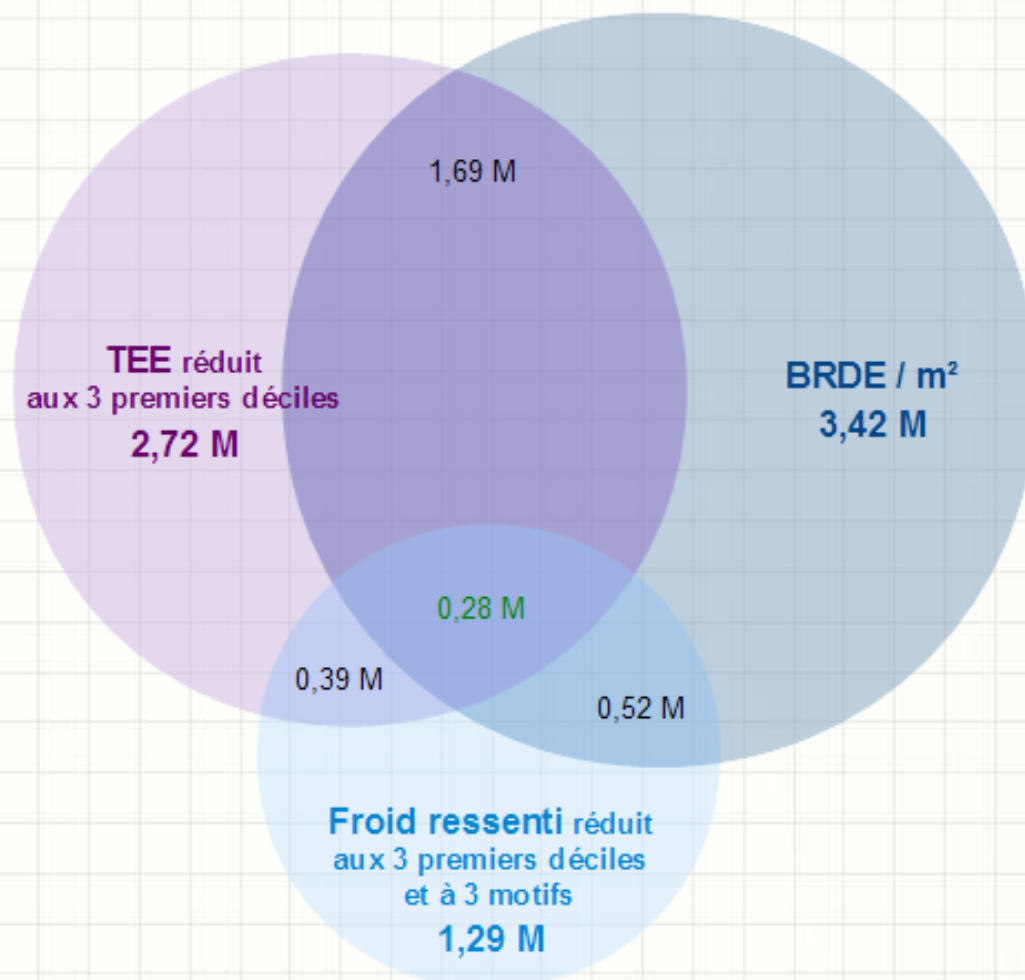
Those affected by EP following Indicators

Indicateur		% de ménages concernés	Nombre de ménages concernés (en millions)	Nombre d'individus concernés (en millions)	Nombre moyen d'individus par ménage
TEE	général	14,40%	3,8	6,7	1,8
	réduit aux 3 premiers déciles de revenus	10,40%	2,7	5,2	1,9
BRDE	BRDE par m ²	13,00%	3,4	8,2	2,4
	BRDE par UC	10,30%	2,7	4,8	1,8
FROID	total	14,80%	3,9	9,0	2,3
	réduit à 3 motifs	11,40%	3,0	6,8	2,3
	réduit aux 3 premiers déciles de revenus	6,10%	1,6	4,3	2,7
	réduit aux 3 premiers déciles de revenus et à 3 motifs	4,90%	1,3	3,4	2,6

Recovery of households and population affected by the EP

The entirety of population experiencing energy poverty in their housing conditions would be about

5,1 millions of households
(and **11,5 millions of individuals**), approximately 20% of the total population.



Actions to fight against EP (1)

Direct financial support

- Financial aid for unpaid energy bills **Solidarity Fund for Housing (FSL)**
- Financial assistance from local social welfare centres
- Financial aid from charities (French Red Cross, Secours Catholique, ...)

FSL

- Set up in May 1990 (25 years ago!)
- 300,000 households assisted annually (2009)
- Average assistance per household: € 250 / year (2010)

Actions to fight against EP (2)

Actions on the cost of energy

- **The social energy tariffs applied by the supplier for electricity (TPN - basic necessity tariff) and network gas (TSS - special solidarity rate)**

TPN

- **Since 1 January 2005**
- **An average reduction of 90 € / year**
- **1.1 million beneficiaries and over 2.5 million eligible (end of 2012)**

TSS

- **Since 15 August 2008**
- **An average reduction of 100 € / year**
- **500,000 beneficiaries and over 2.5 million eligible**

Actions to fight against EP (3)

Energy Efficiency Renovation of Housing

- Aid **program "Better Living" from Anah** for private housing
- The improvement program of social housing managed by the Social Union for Housing
- Diagnostic aids and renovation of associations (Abbé Pierre Foundation, Fellow builders, ...) and various structures at the territorial level (CCAS, SLIME, EIA ...)

HABITER MIEUX (BETTER LIVING)

- 31,000 accommodations renovated in 2013
- Average energy saving calculated 39%
- € 330 million in 2013 for financial assistance

Development of a modeling tool: GéoVEHM

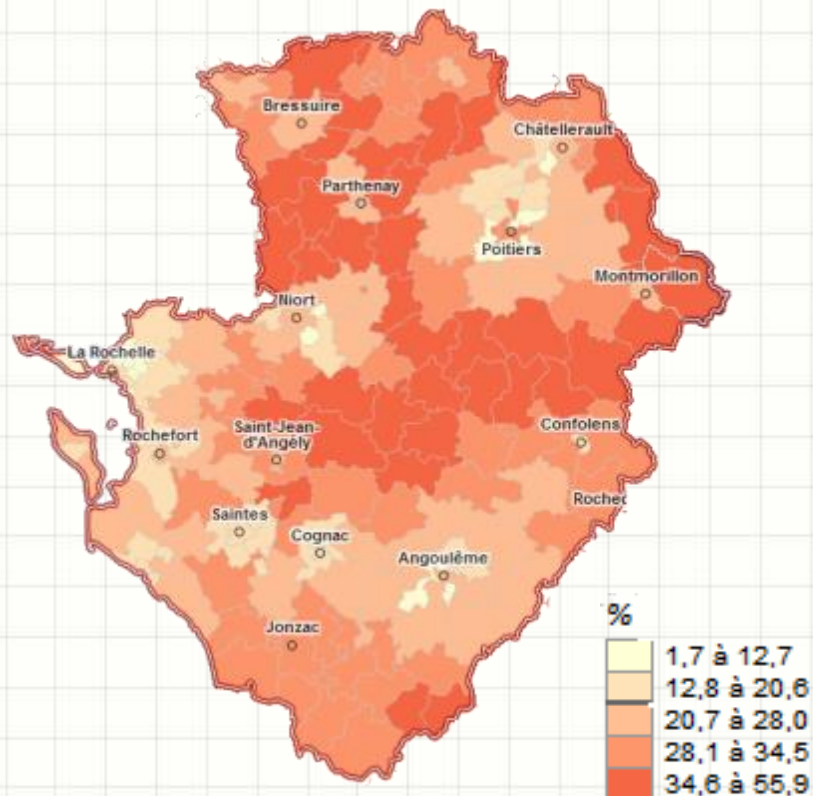
Objectives:

- **Assessment of overall energy vulnerability of households (poverty linked to housing and mobility),**
- **Estimation of its importance,**
- **Analysis of the geographic distribution and type of household and housing conditions (occupancy status, type of collective / individual homes, private /public park, ...).**

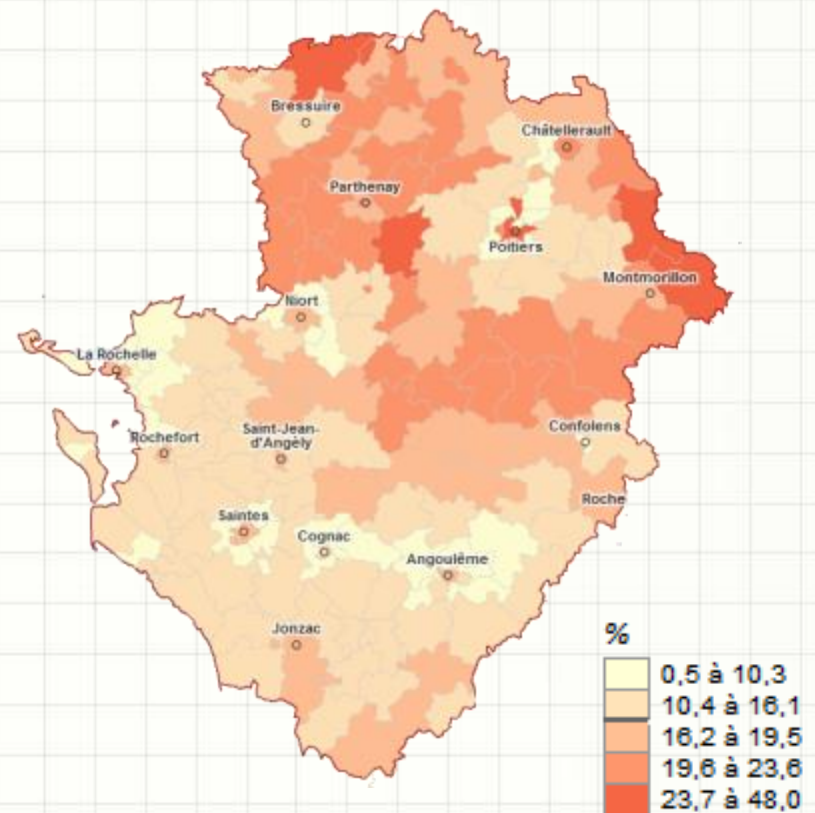
GéoVEHM data analysis

Poitou-Charentes – Housing Conditions

TEE



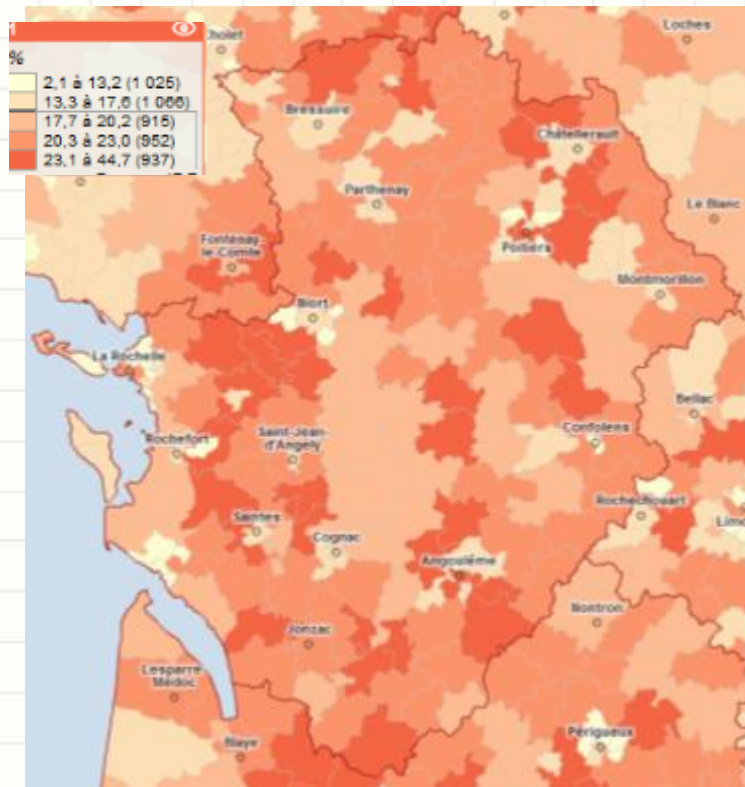
BRDE



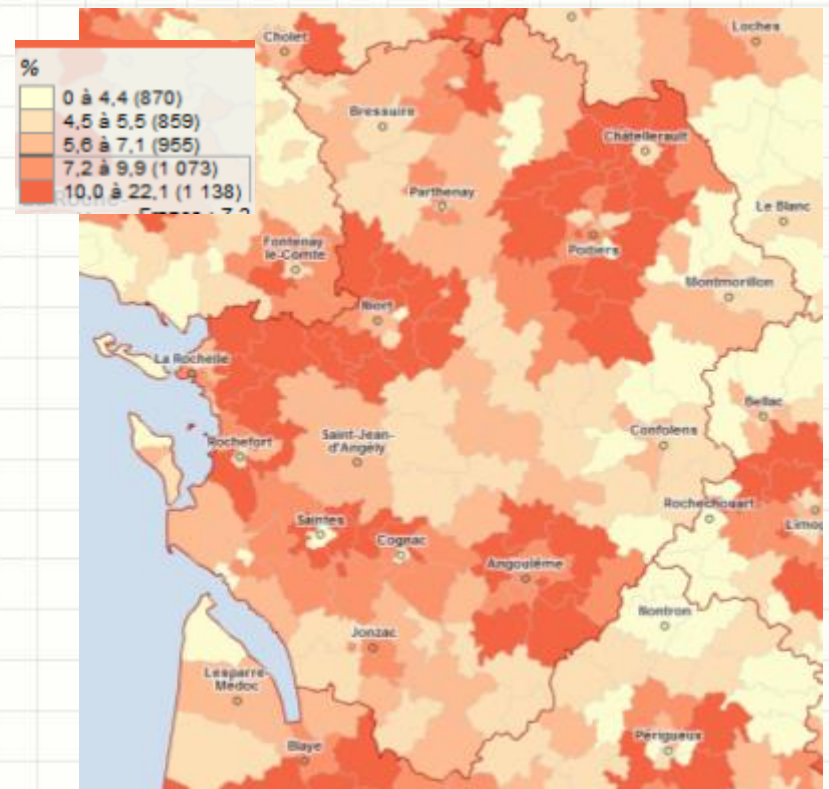
GéoVEHM data analysis

Poitou-Charentes - Mobility

TEE Mobilité



BRDE Mobilité



Recommendations for creating ORPE Regional Observatories of Energy Poverty

- Study in progress prepared by 3 regional agencies.



- Inventory and description of existing tools
- Inventory of diagnostic studies
- Study of practices - territorial analysis
- In-depth analysis of 3 territories
- Recommendations for creating ORPE

Axes of the 2nd period of ONPE

- **Observation Housing Conditions**
- **Observation Mobility**
- **Public housing**
- **Health**
- **Inventory data and field practices**

Other initiatives

- **RAPPEL: Network of actors against poverty and energy poverty in housing**
www.precarite-energie.org
- [Manifest from 2006](#) + [Manifest from 2012](#)
HOUSING, SOCIAL and ENERGY POVERTY
- [Call for RESEARCH projects and EXPERIMENTATION PREBAT](#) (PUCA – ADEME – Anah)
2007 – 2011 – 2012 – 2013

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