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Green jobs and skills in France

Philippe Masset, Director of Europe and International Division

Summary

- **Study « Markets and jobs contributing to the energy transition »**
- **French National Observatory of Jobs & Skills in the Green Economy**

Study « Markets and jobs contributing to the energy transition »

Since 2008, ADEME has been drawing up a yearly assessment of markets and jobs associated with more than 30 branches of activity in three main sectors contributing to the Energy Transition :

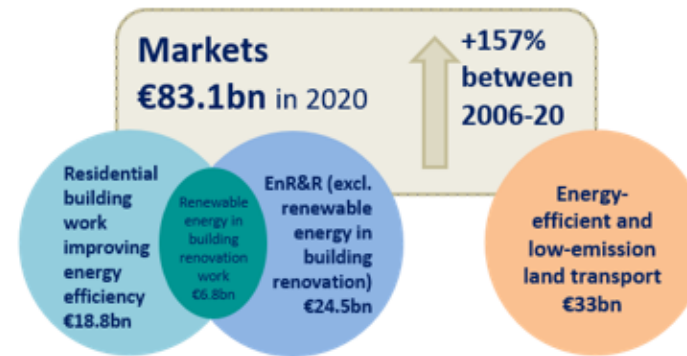
- **Renewable and recovered energy sector (EnR&R)**
- **Energy-efficient and low-emission land transport sector**
- **Energy efficiency of residential buildings sector**

For each sector, the study is following the markets and the direct employment in France.

The main results of the latest update of the study are covering the period 2018-2020.

Markets multiplied by 2.6 in 15 years

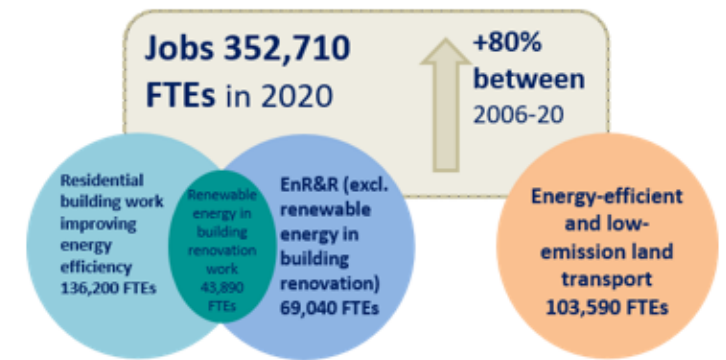
The 3 sectors contributing to the Energy Transition (ET) had a combined revenue of €83.1bn in 2020, up 157% compared with 2006. Energy-efficient and low-emission land transport had the largest market, €33bn (40% of the total).



The sectors relating to EnR&R and the energy efficiency of residential buildings cover partially common branches. Some activities are present in both the EnR&R and residential building sectors. Indeed, building renovation work includes energy-efficient heating and hot water production equipment using renewable energy and installed during renovations (as a first acquisition in existing housing and in replacing old appliances in existing housing): wood heating appliances, aérothermal heat pumps, thermodynamic water heaters and solar thermal panels.

Direct employment in all three sectors increased by 80% compared with 2006 and reached 352,710 FTEs in 2020.

The energy efficiency in residential construction sector remained the largest employer.



French National Observatory of Jobs & Skills in the Green Economy

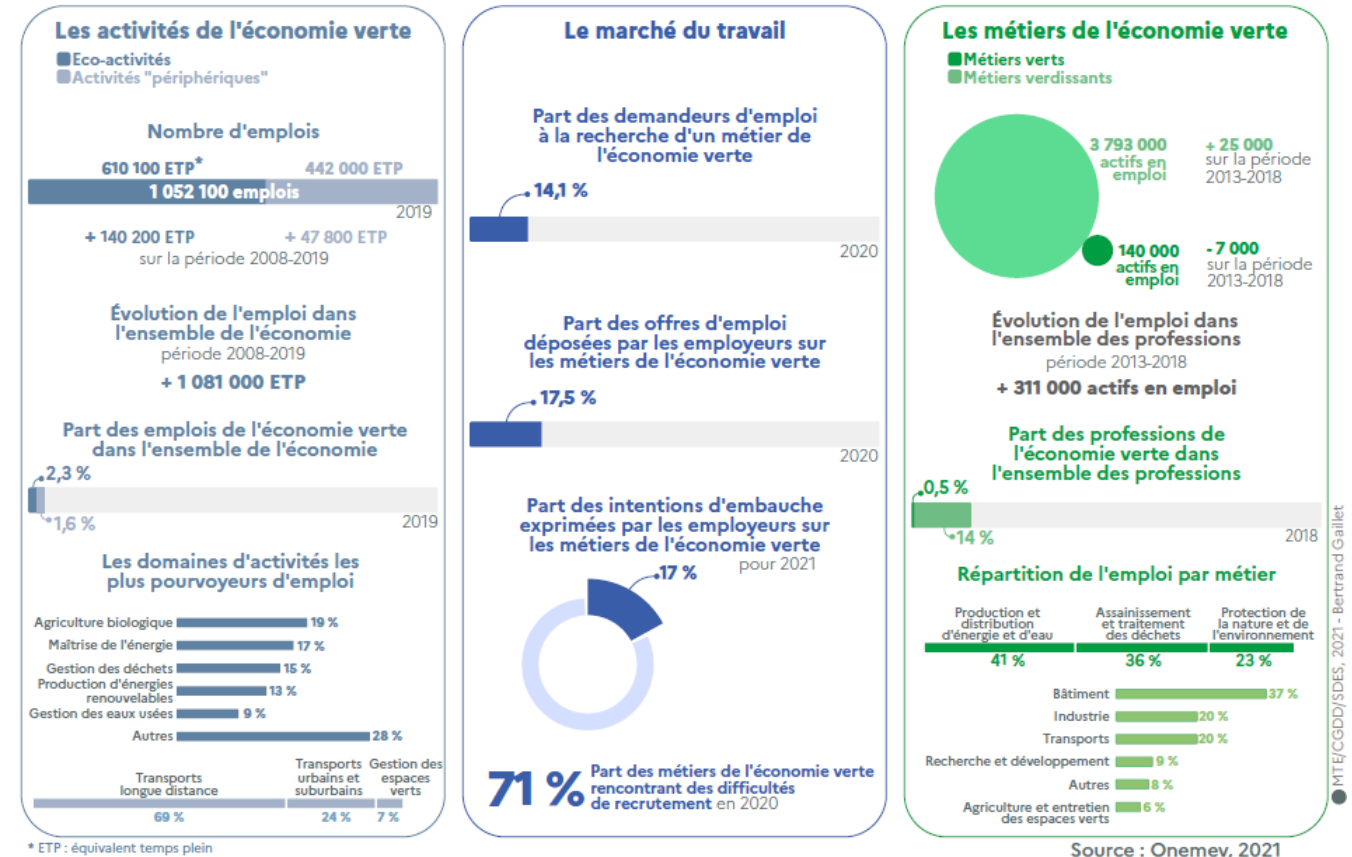
Économie verte et emploi

At the National Conference on Green Growth Jobs on 28 January 2010, it was decided to create a National Observatory of Jobs & Skills in the Green Economy (Onemev) to identify and better define the jobs in this sector.

The Observatory produces methods, reference figures and analyses useful for the dissemination of knowledge on jobs and professions in the green economy. As part of a partnership approach, it is a place for consultation, information sharing and coordination between the main stakeholders in this sector.

The Observatory can be seen as a first step of a warning system to :

- **Avoid lack of jobs**
- **Prevent the loss of poorly accompanied jobs as we don't want to have enemies with the Energy Transition**



French National Observatory of Jobs & Skills in the Green Economy - continued

Don't confuse observation and observatory

- **Observation** - definition of the scope, methodologies and figures for jobs in the green economy (activities, professions), analysis of the employment market, recruitment and mobility.
- **Observatory** - place for consultation, information sharing and coordination between the main stakeholders in the green sector.

The jobs can be categorised as follows :

- **Jobs on time (green jobs)** : waste manager, energy advisor in an energy information point
- **Jobs in delay (greening jobs)** : building artisans (defects in the building sector)
- **Jobs potentially in advance** : shoe repairer
- **Outscope jobs** : maths teacher

Green jobs (green and greening jobs) represent 15% of all jobs.





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