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RÉPUBLIQUE FRANÇAISE

MINISTÈRE  
DE L'AGRICULTURE  
DE L'AGROALIMENTAIRE  
ET DE LA FORÊT

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# The 'EMAA' plan

Progress status

Berlin - October 9, 2014

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# Political context

- September 2012 :  
Roadmap resulting from the Environmental Conference  
➔ **A national biogas plan**
- December 2012 :  
**The agroecology project**
- March 29, 2013 :  
**The 'EMAA' plan**  
Joint announcement by the MEDDE (Ministry of Ecology, Sustainable Development and Energy) and the MAAF (Ministry of Agriculture, Agrifood and Forestry)

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# The 'EMAA' plan

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LE PLAN

Énergie Méthanisation  
Autonomie Azote

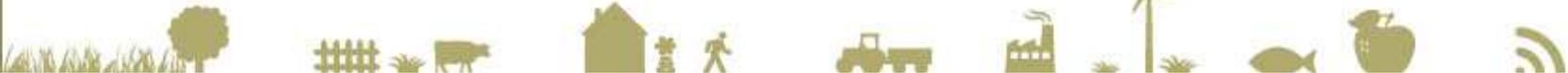


Energy

Biogas  
production

Nitrogen

Autonomy



# Agricultural biogas production

Under certain conditions, the French Law recognizes biogas production as being an agricultural activity :

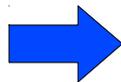
- If at least 50 % of the capital is owned by a farmer or a group of farmers ;
- And if at least 50 % of the material which is submitted to anaerobic digestion consists in agricultural by-products from the associated farms ;
- Specific situation as regards land-law and tax regulations.





# The 'EMAA' plan aims at :

- Enhancing nitrogen management, by promoting the use of digestion residues from livestock manure for fertilization, and reducing the use of synthetic fertilizers

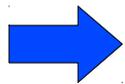
 i.e. a comprehensive agronomical approach

- Supporting the development of 1,000 agricultural biogas plants by 2020 :
  - Enhancing nitrogen management
  - Developing renewable energies
  - Creating territorial dynamics and new opportunities for the agricultural sector

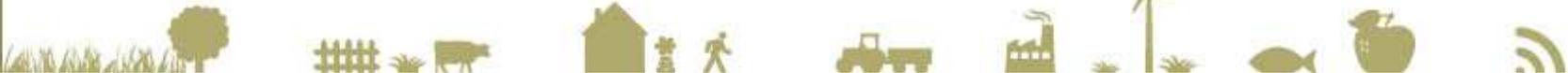


# One plan, two courses of action

Nitrogen management  
+ Biogas production



Digestion residues management



# Nitrogen management : the objectives

- Reducing nitrogen losses ;
- Managing the nitrogen cycle through better agricultural practices ;
- Managing organic nitrogen and replacing synthetic fertilizers ;
- Reducing the use of synthetic fertilizers.

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# Nitrogen management : the measures

- Call for applications “Collective and integrated nitrogen management” ;
- Nitrogen, Phosphorus and Carbon Committee ;
- Digestion residues management.

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# Nitrogen management : the measures

- Call for applications “Collective and integrated nitrogen management” ;

Work in progress

- Nitrogen, Phosphorus and Carbon Committee ;

Specific working group created, work in progress

- Digestion residues management.

- Homologation procedure :

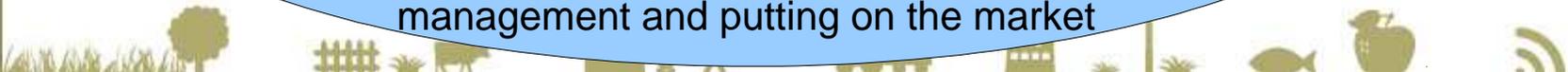
**Collective applications are eligible.**

**French sanitary safety authority issued a positive decision (December 17, 2013).**

**First homologation decisions signed (February 18, 2014).**

- Agricultural research program:

Redaction of a guide about digestion residues management and putting on the market



# Biogas production : the objectives

- Supporting the development of collective agricultural biogas plants integrated within territorial dynamics, with an objective of **1,000 agricultural biogas plants by 2020** ;
- Enhancing digestion residues management and increasing their use in fertilization ;
- Supporting innovation and creating a French biogas equipment industry sector.

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# Biogas production : the measures

- Reinforcing public financial support:
  - Increasing the feed-in tariffs ;
  - Mobilizing ADEME's waste management funding ;
  - Mobilizing BPIFRANCE's investment program ;
  - “Investments for the future” program:
    - Call for applications: “waste management”;
    - Call for applications: “emerging industry sectors”;
    - Financing R&D : “circular economy”.

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# Biogas production : the measures

- Reinforcing public financial support:
  - Increasing the feed-in tariffs ;
  - Mobilizing ADEME's waste management funding ;
  - **Increase of the livestock manure bonus  
for the biogas plants producing electricity (cogeneration)  
(July 30, 2013)**
    - Call for applications: “emerging industry sectors”;
    - Financing R&D : “circular economy”.





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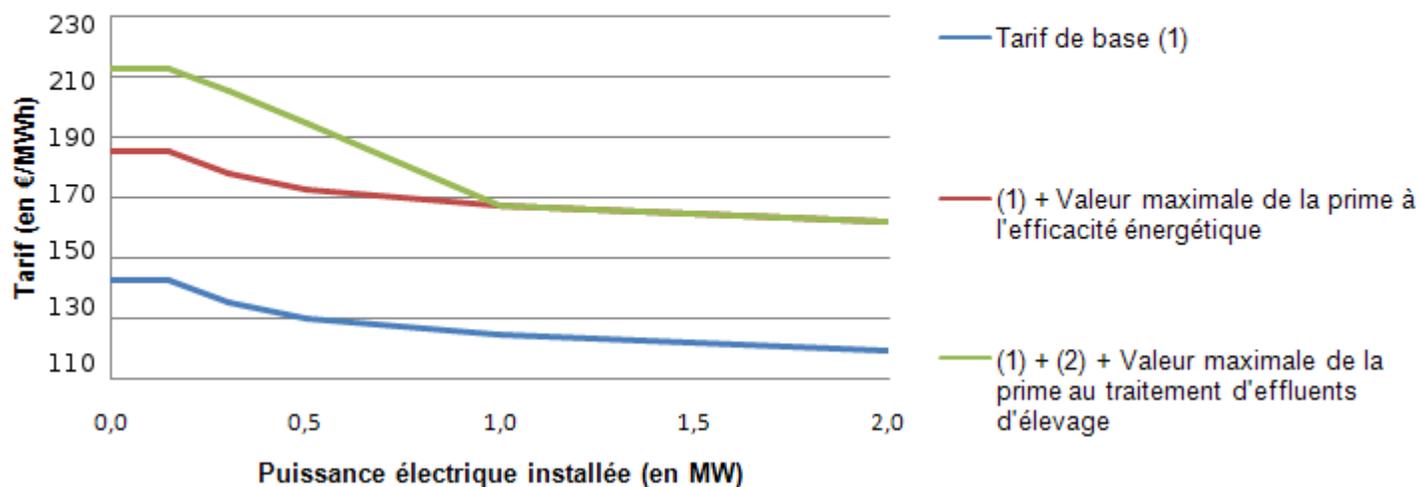
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# Biogas feed-in tariffs

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## Tarif d'achat applicable à une installation de méthanisation

(DGEC, indexation au 01/01/2014)

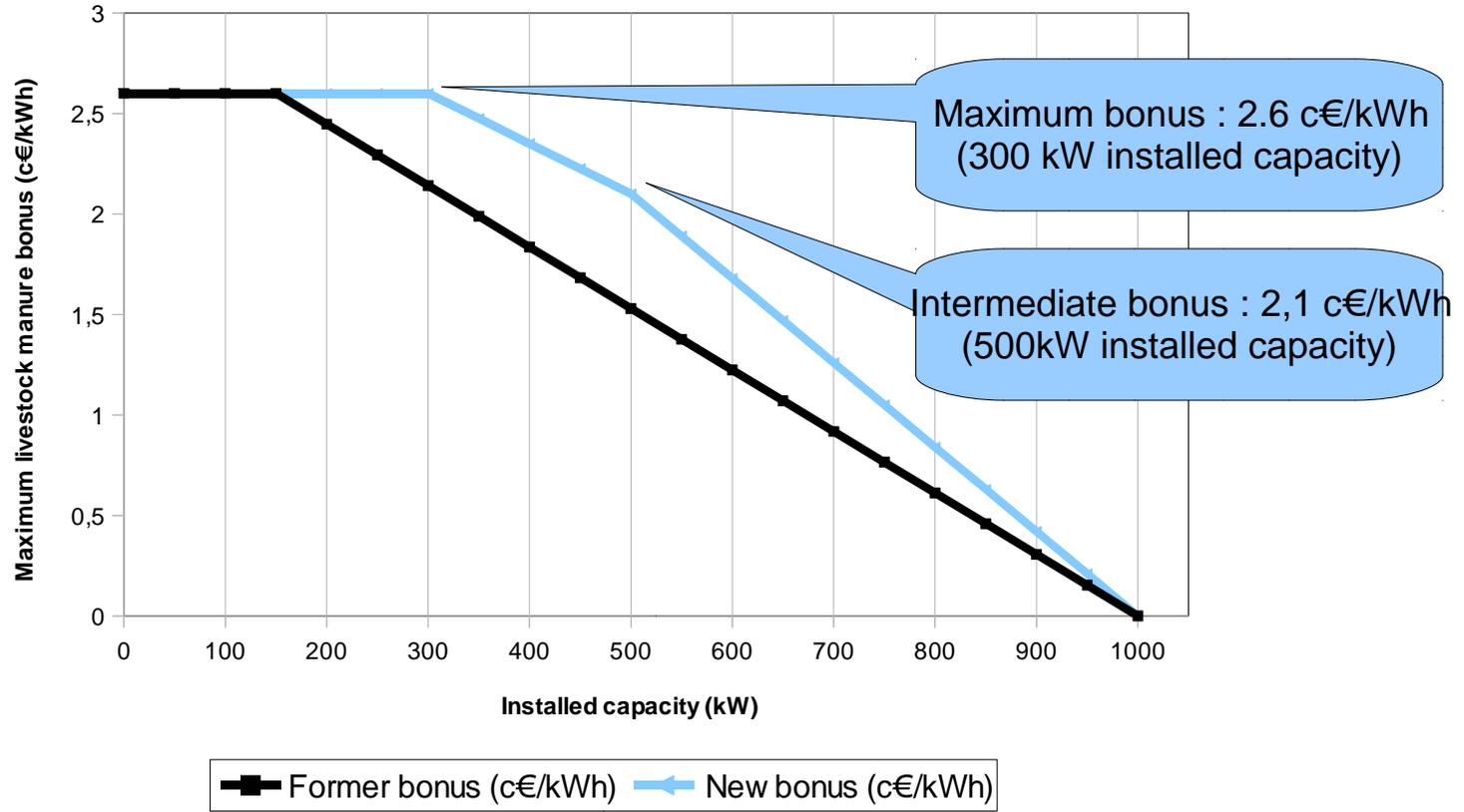


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# Increase of the livestock manure bonus for the biogas plants producing electricity (cogeneration)

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# Biogas production : the measures

- Reinforcing public financial support:
  - Increasing the feed-in tariffs ;
  - Mobilizing ADEME's waste management funding ;
  - Mobilizing DE... t program
  - “

Allocated budget for 2014 :  
30 million €  
(identical to 2013).

Emerging issue :  
important increase  
in demands for subsidies.



# Biogas production : the measures

- Reinforcing public financial support:
  - Increasing the feed-in tariffs ;
  - Mobilizing ADEME's waste management funding ;
  - Mobilizing BPIFRANCE's investment program ;
  - "Investments for the future":

**Soft loans for innovation,  
guarantees, and co-financing loans.**

In each region, BPIFRANCE's services are available to examine the projects with the entrepreneurs and the banks.

A meeting was held with BPIFRANCE, the banks, and representatives of the agricultural sector (October 25, 2013).



# Biogas production : the measures

- Reinforcing public financial support:
  - Increasing the feed-in tariffs ;
  - Mobilizing ADEME's waste management funding ;
  - Mobilizing BPIFRANCE's investment program ;
  - “Investments for the future” program:
    - Call for applications: “waste management”;
    - Call for applications: “emerging industry sectors”;
    - Financing R&D : “circular economy”.

**Work in progress**



# Biogas production : the measures

- Reinforcing public financial support:

- Increasing the
- Mobilizing
- M
- 

**Increased responsibilities :  
regional governments.**

- European Agricultural Fund for Rural Development
- National plan for the competitiveness and adaptation of the agricultural sector



# Biogas production : the measures

- Enhancing the mobilization of livestock manure and agricultural by-products :
  - Increasing the knowledge on the characteristics and availability of various input materials;
  - Increasing the knowledge on cover crops for their use in biogas production ;
  - Assessing the need for a specific policy on cover crops for their use in biogas production;
  - Enhancing digestion residues management.



# Biogas production : the measures

- Enhancing the mobilization of livestock manure and agricultural by-products :
  - Increasing the knowledge on the characteristics and availability of various input materials;
  - Increasing the knowledge on the characteristics and availability of various input materials;
  - Increasing the knowledge on the characteristics and availability of various input materials;
- Enhancing digestion residues management.

National study (ADEME) :  
« Assessment of available resources  
for biogas production in France »:  
(April 2013).



# Biogas production : the measures

- Enhancing the mobilization of livestock manure and agricultural by-products :

- Increasing the knowledge on the characteristics and availability of various input materials;
- Increasing the knowledge on cover crops for their use in biogas production ;
- Assessing the impact of the current policy on cover crops on the development of  
Research programs.

Assessment of the available knowledge  
on cover crops for their use in biogas production.  
(Ministry of Agriculture)



# Biogas production : the measures

- Supporting and enhancing project development:
  - Enhancing local projects through local opportunity assessments;
  - Creating statutory and tax incentives;
  - Raising the capacity threshold from 50t/day to 60t/day for the implementation of the reinforced authorization procedure ;
  - Creating a single entry point for the entrepreneurs to contact all the relevant administrative services ;
  - Simplifying and standardizing the administrative procedures;
  - Assessing and monitoring the biogas plants' supply plans;
  - Improving the conditions for the connection to the energy network.

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# Biogas production : the measures

- Supporting and enhancing project development:
  - Enhancing local projects through local opportunity assessments;
  - Creating statutory and tax incentives;
  - Raising the capacity from 50t/day to 60t/day for the implementation procedure ;
  - Law on the future of Agriculture
  - Finance bills
    - amending finance bill for 2013 : local authorities can choose to create a tax incentive for agricultural biogas plants.
    - finance bill for 2015 : the aforementioned optional tax incentive will be reinforced and made compulsory.

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# Biogas production : the measures

- Supporting and enhancing project development:
  - Enhancing local projects through local opportunity assessments;
  - Creating statutory and tax incentives;
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  - Creating a reinforced authorization procedure ;
  - Creating a reinforced authorization procedure ;
  - Assessing and monitoring the biogas plants' supply plans;
  - Improving the conditions for the connection to the energy network.

Decree published  
(September 2, 2014)



# Biogas production : the measures

- Supporting and enhancing project development:
  - Enhancing local projects through local opportunity assessments;
  - Creating statutory and tax incentives;
  - **The 'simplification shock'**
    - Creating a single entry point for the entrepreneurs to contact all the relevant administrative services ;
    - Simplifying and standardizing the administrative procedures;
    - Assessing the impact of the simplification measures;
    - **Simplifying measures :**
      - 3-year experiment of a 'unique' authorization procedure for biogas and wind power projects, grouping all the existing procedures.  
(May 20, 2014)



# Biogas production : the measures

- Supporting innovation :
  - Supporting R&D in the field of technologies and biology ;
  - Creating a French biogas equipment industry sector ;
  - Developing new applications and prospects for biogas : biorefineries, biofuel from biogas,...

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# Biogas production : the measures

- Assisting the entrepreneurs in the implementation of their projects :
  - Developing local animation to promote and develop collective projects ;
  - Assisting the farmers in the development and implementation of their projects ;
  - Developing adequate training courses for the entrepreneurs and other professionals.



# Biogas production : the measures

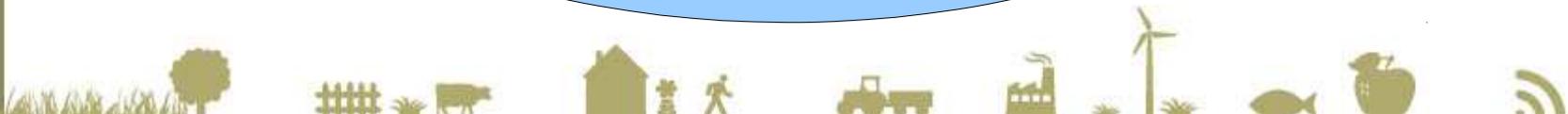
- Assisting the entrepreneurs in the implementation of their projects :

- Developing and promoting and

**Call for applications :  
The MEDDE aims at developing  
1,500 biogas plants in rural areas  
within the next 3-years.**

**A website has been created in order to identify  
the existing and potential entrepreneurs,  
and to better assist them in their projects.  
(September 4, 2014)**

<http://www.developpement-durable.gouv.fr/Appel-a-projets-pour-le.html>



# Biogas production : the measures

- Assisting the entrepreneurs in the implementation of their projects :
  - Developing local animation to promote and develop collective projects ;
  - Assisting the entrepreneurs in the development and

A national plan for a joint action  
of the state and the regional authorities :

**'Printemps des Territoires'**

(June 3, 2014)

+ specific regional conventions :  
Midi-Pyrénées (July 30, 2013)  
Bretagne (December 13, 2013)



# Biogas production : the measures

- Assisting the entrepreneurs in the implementation of their projects :
  - Developing local animation to promote and develop collective projects ;
  - Assisting the farmers in the development and implementation of their projects ;
  - Developing measures for the
    - Professional organizations  
(Chambers of Agriculture, etc.)
    - Distribution network operators  
(feasibility studies, etc.)



# The 'EMAA' plan so far :

- A lot of measures have been implemented ;
- With positive effects on the biogas sector ;
- Cooperation between different ministries and their services, at national and local level, non-departmental public bodies, regional authorities, professional organizations, and entrepreneurs ;
- A long-term plan, to ensure the continued existence of a rapidly developing sector !

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More information (in French):

<http://agriculture.gouv.fr/Plan-Energie-Methanisation>

<http://www.developpement-durable.gouv.fr/Lancement-du-plan-Energie.html>

Thank you for your attention.

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