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NORMANDY BIOGAS PRODUCTION PLAN - TECHNICAL COMMITTEE FOR PROJECT APPRAISAL

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REMINDER

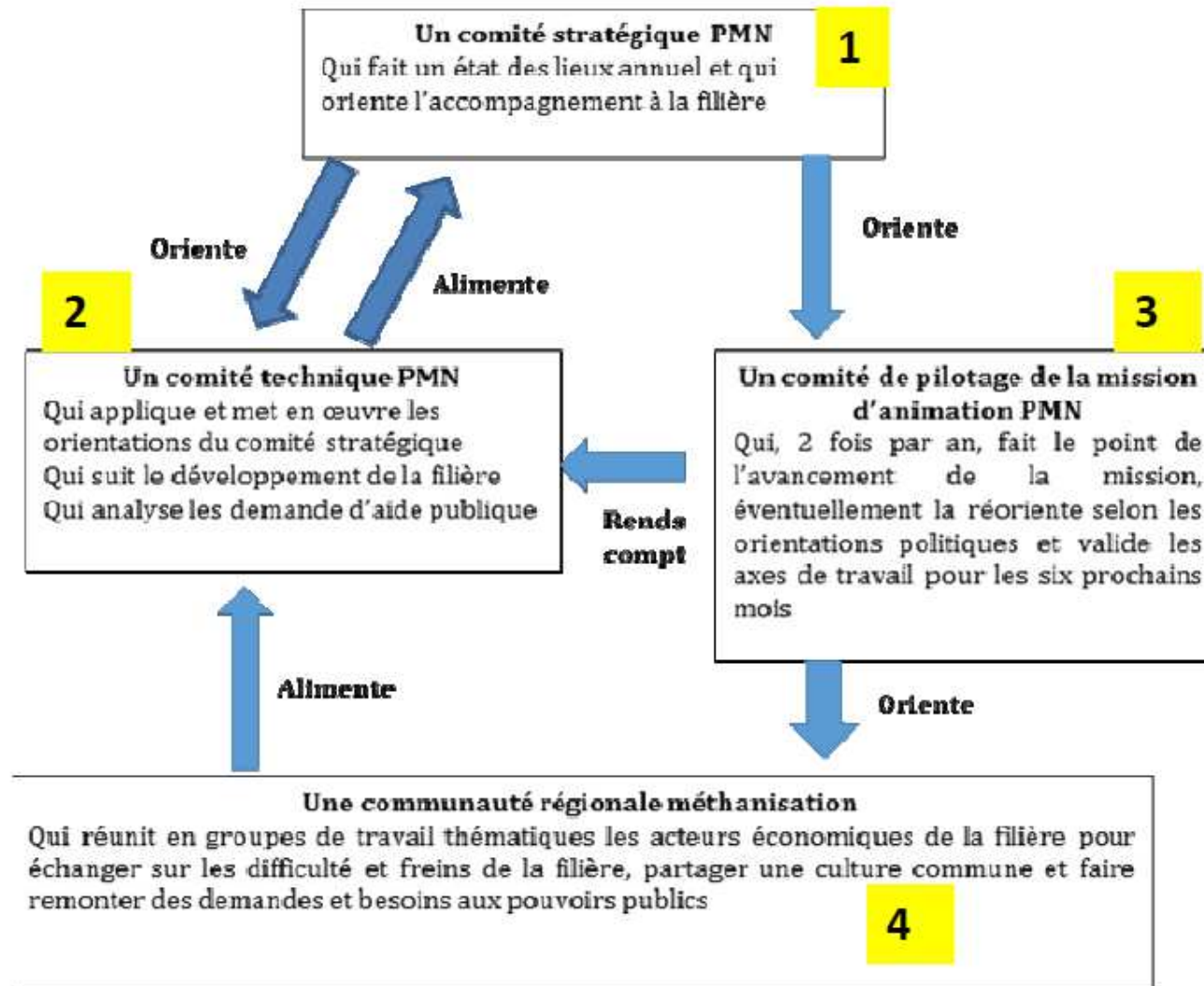
- Normandy has a great potential for biogas production.
- Regional biogas production plan started in 2018 for three years.
- Launched to get solutions regarding the Haute-Normandie (and also Basse-Normandie) ROP situation (only one project funded).
- It aims to gather stakeholders and cause projects to emerge. 3 main axis :
 - * Networking : eg. Communication/social medias // events organisation...
 - * Observatory : eg. Deposits mapping // feedback workshops...
 - * Projects : eg. Data base center // Focus on local acceptability // support for projects...

- Objectives for both grid injection and electricity production to 2030.

- A dedicated governance with 4 levels of action/decision

	Biométhane	Cogénération	Global
Unités supplémentaires/an	+/- 10 (2020-2030)	+/- 19 dont 10 microméthanisation	+/- 29
Unités 2030	108	+/-300 dont 140 microméthanisation	408
Investissements 2030	852,5 M € HT	Env 225 M € HT	1 077,5 M € HT
Tonnage (Mt/an)	2,5	2,0	4,5

NORMANDY BIOGAS PRODUCTION PLAN - TECHNICAL COMMITTEE FOR PROJECT APPRAISAL GOOD PRACTICE



APPROVE good practice = point 2

The technical committee's members are : Normandy Region / National state departments / National Environment and Energy Agency (ADEME) / private and public banks / Energy unions of Normandy / Involved and active stakeholders doing the animation job : Agriculture regional chamber + Biomasse Normandie Association / Gas grid national operators.

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- Confidentiality of informations and data shared.
- At least 3 meetings a year.
- No report of what is exchanged on projects and project holders.
- Informations sharing in order to get the same level on knowledge about projects.
- Review of projects in different state of progress.
- Investment planning and prioritization of projects according to opinion of all attendees.
- Very useful to secure funding commitments, some of which are European (ERDF), for projects which are not likely to be blocked or declared not to be feasible.

The technical committee also deals with themes like grid improvement in order to allow gas injection, legal adaptations, etc.

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- A real dynamic is on.

2010 = 12 plans in service / 2015 = 41 / 2018 = 66 / 2019 = 83

Until 2018 : only electricity production plants and small units. Now we have also grid injection plants.

- 2018-2019 registered investment : € 1,3M for feasibility studies (€ 650K de ADEME/Region subsidies) + € 122M for injection plants building (€ 24,6M of public subsidies (20%)) + € 7M of zero rating loans and refundable advances + € 30M of electricity production units (€ 3,2M of ADEME funds) = **€ 153,3M (€ 35,5M of public funds).**

- Close to 50 projects reviewed.



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Thank you!

