

MONTH YEAR

SERVICE PROPOSAL



IN THE ATTENTION OF:

FROM:

**Jacques Faucher, General Manager**

Centre de développement du porc du Québec inc.  
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Centre de développement  
du porc du Québec inc.

## INTRODUCTION

In this document, we will present our services and expertise in project management and coordination. However, expertise available within our areas of intervention can be incorporated in private service agreements tailored to your needs, regardless of their integration into more specific research and development projects.

We would be happy to collaborate with you and assist you in the development of your business. If you have any questions about this proposal, do not hesitate to contact me.

Thank you for your consideration, **Mr. or Mrs. \_\_\_\_\_** and the attention paid to this service proposal. We will be pleased to send you, if necessary, additional details on any of the following items.



Jacques Faucher  
General Manager

## A FEW WORDS ON CDPQ

The Centre de développement du porc du Québec inc. (CDPQ) is a center of expertise that, through its services, its knowledge transfer activities and its involvement in several research and development projects, contributes to the dynamism of Quebec's pork industry.

Since the creation of CDPQ in 1992, industry stakeholders have benefited from our multidisciplinary expertise. Our team is composed of 40 employees and all completed projects are subjected to the multiple analysis by our different areas of expertise, namely: feeding and animal nutrition, building and livestock management, animal behaviour and well-being, management and economics, genetics, meat quality, ultrasound measurements or other technical measures on live animals of different species (pork, beef, sheep), health and biosecurity, as well as the analysis and evaluation of data, which is used for all our projects and services.

CDPQ is a non-profit organisation and its mission is to innovate and contribute to the creation and transfer of expertise, as well as to the acquisition of skills necessary to enable the Quebec swine industry to meet the demands of both markets and consumers and ensure its sustainable development.



## DESCRIPTION OF OUR SERVICES

### Research and development projects

CDPQ can support you by completely or partially managing research and development projects, notably by coordinating or writing funding applications, establishing research protocols, developing and validating experimental devices, literature reviews, monitoring, supervision or project management.

Our team can also assist you with quality control or supervision of commercial on-farm trials, for the compilation of technical data during the experimental period, as well as writing or validating a final report presenting the results.

All project support services are offered in our various sectors of activity.

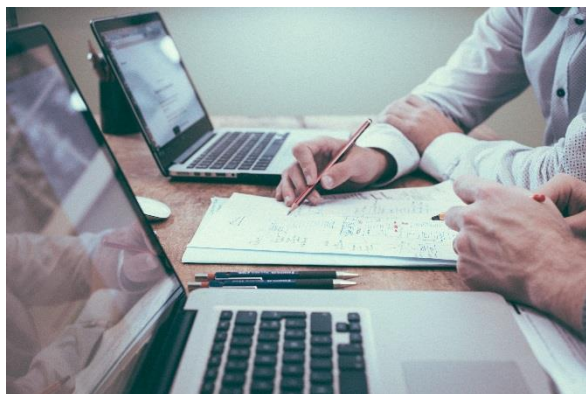
### Analyzing and Evaluating Data

Projects and services in data evaluation and analysis are under the supervision of:

**Patrick Gagnon, Ph.D.** | [pgagnon@cdpq.ca](mailto:pgagnon@cdpq.ca) | **418 650-2440 (4311)**

Main services offered:

- Statistical analysis and data processing
- Development of experimental devices
- Development of simulation and decision tools
- Development of predictive models (ex. growth curves)



## Building and Livestock Management

For the last five years, projects and services in building and livestock management have been under the supervision of:

**Sébastien Turcotte, agr.** | [sturcotte@cdpq.ca](mailto:sturcotte@cdpq.ca) | 418 650-2440 (4354)

Main services offered:

- Accompanying producers to ensure the transition of businesses to group sow management
- Technical advice on ventilation, heating and air filtration
- Evaluation of production equipment and novel technologies
- Development of new equipment
- Training support for breeders and advisors
- Studies, projects or literature review



## Feeding and Animal Nutrition

For the last five years, projects and services in feeding and animal nutrition have been under the supervision of:

**Laetitia Cloutier, M. Sc., agr.** | [lcloutier@cdpq.ca](mailto:lcloutier@cdpq.ca) | 418 650-2440 (4352)

Main services offered:

- Technical advice related to production systems requiring adaptation or changes in management (e.g. projects on the development of precision feeding programs and balanced feed intake)
- Training support for breeders and advisors
- Studies, projects or literature reviews





## Genetics

For the past 15 years, projects and services in genetics have been under the supervision of:

**Frédéric Fortin, M.Sc., agr. | [ffortin@cdpq.ca](mailto:ffortin@cdpq.ca) | 418 650-2440 (4310)**

Main services offered:

- Analysis and development of strategies related to genetic improvement
- Evaluation of the conformation of breeding animals
- Evaluation of the genetic potential of animals for selection purposes and development of selection indexes
- Monitoring animal performance and development of databases
- Development of mating plans in order to select breeding stock

In addition, CDPQ has developed a great deal of expertise in the **evaluation of ultrasound measurements** and is a reference in Canada in this field. The various measurements performed included back fat thickness, rib eye area, loin muscle depth, intramuscular fat percentage evaluation, and body reserve measurement in sows and gilts. Training sessions on the use of ultrasound technology can also be offered to the various stakeholders in your network.

**In addition, in the context of projects or for specific needs, on-farm measurements (e.g. conformation, weighing, tattooing) can also be performed.**



## Health and Biosecurity

For the past 15 years, projects and services in health and biosecurity have been under the supervision of:  
**Christian Klopfenstein, D.M.V., Ph. D.** | [cklopfenstein@cdpq.ca](mailto:cklopfenstein@cdpq.ca) | 418 650-2440 (4309)

### Main services offered :

- [Artificial Insemination Centres Health Management Program \(PGSCIA\)](#)
- Conducting studies, projects and literature reviews
- [Maintenance and update of the Provincial Health Monitoring program website content](#)
- [Maintenance and update of the transportation website content](#) + TQA Training (Transport Quality Assurance) + Audits in swine transportation

### Various tools to meet the needs of the industry :

- On-farm biosecurity audits ([link](#))
- Transport biosecurity audits ([link](#))
- Video and factsheet on biosecurity at the slaughterhouse ([link](#))
- Video and factsheet on on-farm biosecurity ([link](#))
- Video and factsheet on biosecurity in transportation ([link](#))
- On-farm health risk management maps ([link](#))
- Health status maps ([link](#))

## Management and Economics

Projects and services in management and economics are under the supervision of:  
**Geneviève Berthiaume, B.Sc. A.** | [gberthiaume@cdpq.ca](mailto:gberthiaume@cdpq.ca) | 418 650-2440 (4351)

### Main services offered:

- Cost, benefit and impact analysis of a research and development project and its technological transfer
- Evaluation of production costs related to a research project
- Information on markets
- Training support for breeders and advisors

## Meat Quality and Technical Services

For the last 10 years, projects and services in meat quality and technical services have been under the supervision of: **Marie-Pierre Fortier, PhD. cand.** | [mpfortier@cdpq.ca](mailto:mpfortier@cdpq.ca) | **418 650-2440 (4337)**.

CDPQ has developed an extensive expertise in the field of meat and carcass quality measures. This expertise allows many stakeholders in the pork industry, among others, to adapt to changing markets and meet the various needs or new specifications for pork meat. Below are some regular measurements made on carcasses or particular pieces of meat:

- Assessment of meat water loss
- pH
- Firmness
- Color
- Percentage of intramuscular marbling
- Surface of the rib eye
- Performance measures (e.g. weight of primary cuts)



CDPQ can also assist you in drafting specifications to develop niche products or target a specific niche market. We also offer consulting services for the differentiation of the quality of meat.

In addition, through a structured approach for continuous improvement of the quality of meat, CDPQ supports the industry in its objectives of reducing the costs generated by a non-compliant level of quality, in particular through the establishment of quality management systems at the slaughterhouse. We are also involved in training and management associated to tattooing methods at the end of the finishing phase, fasting and prevention of defects on the rind.