QUÉBEC CEGEP'S LEADERS IN REGIONAL DEVELOPMENT

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CEGEPS IN THE EDUCATIONAL SYSTEM IN QUÉBEC

TOOLS FOR REGIONAL DEVELOPMENT

THE CEGEP OF JONQUIERE AN EXAMPLE
CEGEPS IN THE EDUCATIONAL SYSTEM IN QUÉBEC

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THE CEGEP OF JONQUIERE AN EXAMPLE
CEGEP

AN ACCESSIBLE NETWORK

QUÉBEC’S COLLEGE MODEL, AN ORIGINAL IDEA

EDUCATION IN QUÉBEC

CEGEP INTERNATIONAL

CEGEPS IN THE EDUCATIONAL SYSTEM IN QUÉBEC
C.E.G.E.P.

Collège d’Enseignement Général et Professionnel

First level of higher education
AN ACCESSIBLE NETWORK

CEGEPS IN THE EDUCATIONAL SYSTEM IN QUÉBEC
1. Accessibility and quality
   - First stage of higher learning (pre-university training)
   - Gateway to the job market (technical training)

2. Consolidation of career choices

3. Support for regional development

QUÉBEC’S COLLEGE MODEL, AN ORIGINAL IDEA
EDUCATION IN QUÉBEC

JOB MARKET

Trades | Technical | Professional

Vocational training

Technical (3 years)

Pre-university (2 years)

Elementary (6 years)

Secondary (5 years)

Doctorate (2-4 years)

Master’s (2 years)

Bachelor’s (3-4 years)

UNIVERSITY

CEGEPS IN THE EDUCATIONAL SYSTEM IN QUÉBEC
CEGEP INTERNATIONAL

Promotes college expertise on the world scene

- Represents its college members internationally
- Fosters partnerships between its members and foreign institutions
- Makes its member’s expertise available to international partners
CEGEPs in the Educational System in Québec

Tools for Regional Development

The CEGEP of Jonquière: An Example
PROGRAMS

- Variety of programs
- Characteristics of the Québec model
- Horizontal and upward mobility recognition within programs and know-how

STRUCTURES

- Regional Board of Education Institutions
- Continuing Education
- College Centres for Transfer of Technologies (CCTT)
- Sources of Financing

TOOLS FOR REGIONAL DEVELOPMENT
8 PRE-UNIVERSITY PROGRAMS

In all major branches of science, social studies, arts and literature

129 HIGHER TECHNICAL PROGRAMS

In all principal sectors of the job market
CHARACTERISTICS OF THE QUÉBEC MODEL

INTEGRAL PART OF HIGHER EDUCATION

- Linkage between college and university programs
- Programs written with an advisory committee

PROGRAM-BASED APPROACH

- Each course contributes to the program goals
- Cohesiveness and integration

COMPETENCY-BASED APPROACH

- Knowledge, skills and aptitudes are taught in a concrete manner

TOOLS FOR REGIONAL DEVELOPMENT
HORIZONTAL AND UPWARD MOBILITY RECOGNITION WITHIN PROGRAMS AND KNOW-HOW

Possibility to change program

Possibility to pursue at a higher level

Possibility to pursue at a higher level

Assessment of competencies and integration into a program

TOOLS FOR REGIONAL DEVELOPMENT
REGIONAL BOARD OF EDUCATIONAL INSTITUTIONS

AN OFFICIAL BOARD IN EACH REGION

- Composed of the CEO’S of school districts, cegeps and universities

OBJECTIVES

- Regional planning for program mapping linking area development
- Consensus in continuing education
- Establish targets of development

TOOLS FOR REGIONAL DEVELOPMENT
CONTINUING EDUCATION

MISSION

SPECIFIC TRAINING FOR THE REGIONAL JOB MARKET

TWO WAYS

AEC = ATTESTIONS OF COLLEGE STUDIES
Training between 400 and 2000 hours linked to a technical program

NON CREDITED PROGRAMS
Specific programs linked to the needs of the market

TOOLS FOR REGIONAL DEVELOPMENT
MISSION

SUPPORT COMPANIES IN THE INNOVATION PROCESS THROUGH

- Technical Support
- Technological Development
- Information and Training

COLLEGE CENTRES FOR TRANSFER TECHNOLOGIES (CCTT)

42 CENTRES

TOOLS FOR REGIONAL DEVELOPMENT
SOURCES OF FINANCING

PROVINCIAL MINISTER
OF EDUCATION
(Guaranteed funding)

- Programs
- Continuing Education (in part)
- College Centres (in part)
SOURCES OF FINANCING

- Provincial sources
  - Employment
  - Economic Development

- Federal sources
  - Research Funds
  - Specific Programs

- Private sources
  - Companies
  - Foundations

OTHERS POSSIBLE AVENUES OF FUNDING
Sources of Financing

Self-financing Departments within the College

Examples:
- Continuing Education
- Research Centres
- Linguistic Schools

Tools for Regional Development
CEGEPS IN THE EDUCATIONAL SYSTEM IN QUÉBEC

TOOLS FOR REGIONAL DEVELOPMENT

THE CEGEP OF JONQUIERE AN EXAMPLE
FAMILY OF PROGRAMS AND SELF-FINANCING DEPARTMENTS

THE CENTRE DE PRODUCTION AUTOMATISÉE

RESEARCH FOR SCHOOLING, SOCIAL SCIENCES AND HEALTH

CRDIC

NAD CENTRE

LINGUISTIC CENTRE
FAMILY OF PROGRAMS AND SELF-FINANCING DEPARTMENTS

PRE-UNIVERSITARY

SCIENTIFIC PROGRAMS

ADMINISTRATION

SOCIAL SCIENCES AND HEALTH

COMMUNICATION

DIGITAL ANIMATION DESIGN

CPA (CCTT)

IDÉA

ÉCOBES

RESEARCH CHAIR

CRDIC

LINGUISTIC CENTRE

CREPAS

THE CEGEP OF JONQUIERE AN EXAMPLE
The Centre de production automatisée

Is a team of 30 specialists working in areas related to the automated process production;

It has operated for 25 years as a technology transfer centre for the industry. It is involved in technical assistance, research development and training;

Wherever the production can be improved by the addition of new technologies, they can provide recognized expertise and competencies.

Here are some examples of projects carried out by the CPA:

- Automation of an ink filler
- Automated manufacturing of egg rolls prototype
- Blueberry harvesting system
- Automated cheese cutter
- Robotic sample manipulator connected to a spectrometer
- Multifunctional training device for injury rehabilitation
New ideas for new markets

- New product development
- Industrial design
- Advanced engineering simulation
- Rapid prototyping
- Intellectual property support
- Creativity sessions
- Regional Innovation Strategy

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RESEARCH FOR SCHOOLING, SOCIAL SCIENCES AND HEALTH

RESEARCH CHAIR

ÉCOBES

CREPAS

REGIONAL PARTNERSHIP
- Research Groups
- Public Health
- Regional Government
- School Districts
- University
- Etc.

PROVINCIAL PARTNERSHIP

INTERNATIONAL PARTNERSHIP

THE CEGEP OF JONQUIERE AN EXAMPLE
1. Transfer – Training
2. Applied research

1. Regional coordination and mobilisation about academic abandoning
2. Promotion, schooling
3. Research

1. Fundamental research
2. Masters and Doctoral students
3. Data interpretation
DEVELOP A PARTNERSHIP WITH INDUSTRY LEADERS

- Possible partnership, multinational corporations or small companies
  - i.e: Post-production Facilities, Broadcasters, Media Corporation, Equipment Manufacturer

APPLIED RESEARCH DOMAINS

- Workflows and products interoperability in post-production
- New web streaming concepts for broadcasters
- Develop custom tools for current partners
- Consulting, innovation, conception

A CURRENT ACTIVITY OF DEVELOPMENT EXAMPLE

- Autodesk, Media and Entertainment Division
  - Participate in the software development process
  - Application testing for a wide range of their products
  - Licensed Authorized Training Centre
  - Project funded entirely through private capital
RESEARCH

- 3D Animation visual effects for film and television
- Design and digital art for video games

DIGITAL COMPOSITING
SERVICES OFFERED IN ENGLISH, FRENCH AND SPANISH

• Second language training
• Translation
• Revision of written texts
• Interpretation services