

NEW MATERIALS AND MISCELLANEOUS

The "materials" theme was selected as a prospective sector at the prior CMS.

To date, there have been few exchanges in this area. One proposal has now been presented by the French side and four by the Canadian side. These projects are briefly described below.

The Canadian side expressed a keen interest in increasing the level of co-operation in this area and the French side shared that view, since high-performance research teams exist in both countries that would mutually benefit from continued relations. In particular, a number of different efforts have been made in organizations which bring together universities and businesses (FIRTECH poles, on the one hand, and on the other, provincial research centres, such as the Ontario Research Foundation, or federal centres, such as the Industrial Materials Research Institute of the NRC in Boucherville). Well-managed joint ventures could result in substantial economic benefits.

In order to get bilateral co-operation off to a good start in this sector, both sides agreed to evaluate the possibility of organizing a special symposium on the subject and sending out exploratory missions with well-defined objectives.

Materials projects

1. New materials and arctic technologies

Prof. G. Béranger, Université de Technologie de Compiègne
Prof. P. Roberge, Royal Military College, Kingston.

This study primarily concerned the corrosion of metals in extreme environments.

The scientific opinions were quite positive. This is a subject of great strategic and economic importance, in which the problems of potential technological transfers should be properly mastered. Questions of intellectual property should be anticipated and eventual applications carefully defined before the work begins.