## **Patterns of Diversity**

A comparison of each nation's total scientific output between 1981 and 1990 (gold bars) and quality, measured by mean citations per paper (blue bars) reveals some patterns in Europe's diversity. Four groupings stand out: the small-output, high-quality nations (the three Nordic nations, Finland, Holland, and Switzerland), the massive-output, goodquality, great scientific powers (France, Germany,

and Britain), the low-output, less-cited nations (Ireland, Spain, and the Central and southern European nations), and, in a class of its own, as always, Italy, hovering between the southern nations and its more productive neighbors to the north. 400000

Science's reporters went to a nation (or nations) from each of the groups to ask how they saw the future. Their reports follow.

