

1)

2)

가. 가 ,

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, (the House Science Committee)
1 1997 10 23

, (the National Academy of Sciences) , (the National
Academy of Engineering) , 가 (the Council on Competitiveness)
(Sandia) (Lawrence Berkeley) , MIT ,

가 , ()
, 가 .

가
1992 1993 가 (the National
Competitiveness Act) 30 . 120 가 , , ,
(the Committee of Advisors on Science and Technology), 가 (the national Science Board)
가

approaches) , (exclusively elite, insider

1) , .

2) , .

3) , 가

4) 가 , (gender biases) .

5) , , 가 가 (public debate) .

6) .

7) , 21

Coordination of Research) (interdisciplinary) 가 (FRN, Forskningsrådsnämnden: Council for Planning and (nonscientists) 가 (end - users) "(science shops)³⁾ 가 (social responsiveness) 가 10 가 . 1989 가 (the Human Genome Project) (genetic inheritance) 가 (genetic screening) 가 (實演: demonstration) 가 (openness) 가

【 】

1) Science, 1998 2 27 (Vol. 279, p.1283) (Richard E. Sclove) , "Better Approaches to Science Policy" 1987 (the Loka Institute) , Democracy and Technology (New York: The Guilford Press, 1995) (, 1997 12 10 , " 가 : ").E - mail: Loka@amherst.edu Web: www.amherst.edu/loka

2) , 「 」 (Tel: 02 - 2250 - 3279)/e - mail: ybchang@stepimail.stepi.re.kr)

3) () "science shop" , Alan Irwin, Susse Georg and Philip Vergragt (1994), "The Social Management of Environmental Change", Futures, Vol. 26, No. 3, pp. 323 - 334

