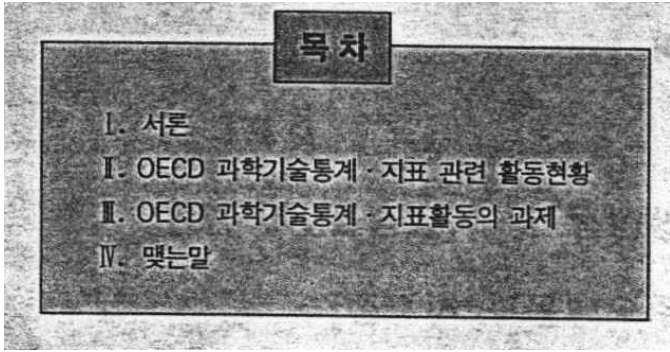


(1)



張眞走

(knowledge - based)

가

가

(R&D), (Innovation), (HRST:Human Resources for Science and Technology), bibliometrics, (TBP: Technology Balance of Payments),

가  
OECD

가 가 가

가

OECD

가

가

가

OECD 가

가

OECD

가

가

OECD

OECD (DSTI: Directorate for Science, Technology and Industry)  
 (EASD: Economic Analysis and Statistics Division) NESTI(National Experts on  
 Science and Technology Indicators)

NESTI 1962 2/3  
 OECD (CSTP: Committee for Science and Technological Policy) 1/3  
 NESTI OECD/CSTP 70 가 가 2/3

< 1> OECD/NESTI 가  
 (Frascati family)

1963 Frascati Manual 1993 5  
 TBP Manual, Oslo Manual.  
 Patent Manual

< 1> OECD

자료의 종류	지침서
연구개발(R&D)	연구개발조사에 관한 표준지침서(Frascati Manual, 1993)
기술무역(TBP)	기술무역자료의 수집과 해석에 관한 표준 지침서(TBP Manual, 1990)
혁신(Innovation)	기술혁신자료의 수집과 해석에 관한 OECD 지침서(Oslo Manual, 1992)
특허(Patents)	과학기술지표로서 특허자료 이용에 관한 지침서(Patent Manual, 1994)
인력(Human Resources)	과학기술인력 측정에 관한 지침서(Canberra Manual, 1995)

Canberra Manual

OECD 1 D.B. 2 D.B.  
 1 D.B.  
 2 D.B.  
 1 D.B. 가 D.B. OECD Annual 가  
 Review of Industry 가  
 1 D.B. 1 가  
 BSTS(Basic Science and Technology Statistics) BSTS 가  
 1990 ICC D.B. (Information, Computer and Communications D.B.) full - scale D.B.

D.B.

가

D.B.

D.B.

Eurostat Un - Economic Commission  
EC 가, EFTA 가 PECC

. OECD

EASD

가

OECD

가  
OECD

OECD가

가

OECD

가

EASD가

OECD

OECD 가  
OECD

가

가

가

2 D.B.  
가

. 2 D.B.

. 2 D.B. 1

1 D.B. BSTS

가

OECD가 1988 MSTI (Main Science and Technology Indicators)가  
STAN(Structural Analysys)

D.B. 25

. STAN 가 DB

STAN D.B. 가 1 DB  
1)

DB

Outlooks, Reviews

Structural Change and Industrial

Performance (OECD, 1992)가 가

OECD가 STAN DB Academic - STAN DB

1 D.B.

OECD Programme)

OECD

(OECD, 1992) . TEP

1988

3

TEP(Technology - Economy

OECD

. TEP

13

1 .

가,

가

WIPO EPO  
OECD

Patent Manual 가  
1994

가 . 2)

2.

가

. OECD(1990)

3.

(Bibliometrics)

가

가

Information)

SCI(Science Citation Index)

ISI(Institute for Scientific

NIH Medline.

Excerpta Medica

. OECD

EC

MONITOR - SPEAR

4.

가

가 가 OECD

가

OECD "Review of Industrial Policy in OECD Countries" MSTI high, medium, low R&D intensive industry 가 .

5.

가 . OECD Oslo Manual 1992 가 . OECD 가 가

OECD Nordic Fund Eurostat

6.

(Advanced Manufacturing Technology) (AMT) CAD, CAE, FMS CIM 가 AMT 가

7.

(Stocks) (Flows) 가 가 가 가, OECD 1995 Canberra Manual 가 가 가.

UNESCO

Academic STAN

OECD

8.

1967) Method and Statistical Needs for Educational Planning(OECD, 1967)

1976 UNESCO가 ISCED(International Standard Classification of Education)가 . OECD 1990 1992

9.

3)(Intangible Investment)

OECD

10.

OECD가 Industrial Structure; Statistics STAN D.B.

가 UN Eurostat

. OECD

11.

(financial instruments)

(fiscal aid)

가

8가

OECD

'86~'89

3

800

가

12.

(FDI)

가

. OECD가 1992

가

10%  
50%

10~50%

가

50%

15

가

. OECD

가

12

13.

B SIREN D.B  
Environment Indicators

Compendium of Environmental Data

OECD D.  
1992

. OECD

가

가

OECD

1.

가 (R& D) (patents, bibliometrics)  
가

가

1)

data - base

ANBERD data - base  
가 STAN data - base

. ANBERD

OECD

STAN

STIBERD

panel

2)

3)

OECD

(Community Innovation Survey)  
(SPRINT Program, European Innovation Monitoring System)

(innovation survey)  
CIS EC

. EC

Eurostat EC DG - - D  
. OECD Oslo Manual CIS

1996 6

2. 가

가

1) 가

가 ANBERD/STAN data - base OECD (knowledge system) PACE , YALE  
OECD 가

2)

(R&D survey)

Canberra Manual 1995 OECD/NESTI

3) (knowledge - based economy)

OECD 가  
1996 6

1994 CSTP/OECD 가 (STEPI)  
OECD  
OECD

가 OECD , OECD 가

- OECD

- OECD

-



- 1) Narin, F., M.B. and Smith, V.M.(1992), "Technology Indicators in Strategic Planning", Science and Public Policy, Vol.19, No.5.
- 2) OECD(1967), Methods and Statical Needs for Educational Planning, Paris.
- 3) OECD(1990), Proposed Standard Methods of Compiling and Interpreting Technology Balance of Payment Data: TBP Manual, Paris.
4. OECD(1990), Description of Innovation Surveys and Surveys of Technology Use Carried Out in OECD Member Countries, Paris.
5. OECD(1992), Technology and the Economy: the Key Relationship, Paris.
6. OECD(1992), Structural Change and Industrial Performance, Paris.
7. OECD(1992), OECD Proposed Guidelines for Collecting and Interpreting Technological Innovation Data: OSLO Manual, Paris.
8. OECD(1993), Proposed Standard Practice for Surveys of Research and Experimental Development: FRASCATI MANUAL, Paris.

FRASCATI MANUAL Paris

1) STAN DB ISIC 46 11  
, 가가 , , , , , 1967 1989 (OECD, 1992) .

2) Griliches(1990) F Narin, et al(1992)

3) OECD , ,  
, ,  
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