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Tutkijan motivoinnista avoimen tieteen käytäntöihin altmetriikan avulla

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CB & C. A= D08 CBDDCC34= D087B>47
B>8B= 0=0;GG8< 4=4B;< 81= : 4788J
9B= < C. 00= EB1B4= ?4@-B184B
0@B>8-B< 4=4B;< JBHD4@8A0@B>8-
EB ?44@4D84E D888CA0=0;GG8 288EB= 0=0
;G8A 9D;4734= D08 CBDDCCA 4@8= >C@0;
< ?02B 02B>@H>D0B?C0B4;;8A0 08 0=A0 4;J
=48J B8?4@B4?J>==8A8=488 \$C0B488 B1G
34=B1< JJ= 9D ?4@-B184B= D888CA0=0;GG81=
< C>3>A8< 00: CD00 B0B & C. A1= D08 CBDDCC
34A8 @ 0A8< 00= >= @7388G: 4788J< JJ= < 4
=4B;< 8J 9D B3K 0;C9D 9>B 0 B<==8A8D0B
9C;: 08A91= D08 CB8A8 DJ;88K< JAB9C;: 08A< 8
< 4A888GJ) J;88K< J;;J D08 CB8: A1;;0 G< < J@
@BJJ= ;J78=J CC34= B0B & C8B43>= 9D 308D=
;4D8J< 8A8 4@88A4A8A>A80;8A1= < 438D= 0;CA
B>8;0 ' JB1< 8880< 00= : 4788J88J < 4=4B;< 8J
: CB8C80= D087B>47B>8A1: A8< 4B88 0: A8 0;B1@
=08D4< 4B82A 0;B< 4B82A 9DB>A0 0;B< 4B88
: 0 \$@< 4B0; ;B< 4B88 0A0 B@0A
B1C=: >734>= A88G-C88134G7B18K= A8A8A4A8J
D08 CBDDCC34A8 B0B & C. A1= G7B18A C==0;;8
A14= D08 CBDDCCB4= C< 088D00: C81= 8-
>= : C81= 4A8< 4@8 A8\$ @< ?08=>880
48J 0;B< 4B82A < 4=4B;< 8J 488C;4 09B1;0 ?4
@-B184B=: >@008=0 D00= 88J B1G4=B1D8-J 9D

48J 4@< 4=4B;< 81= G7B18A D08 CB8A8 48D>80@
D8>80 B8: J88J D0@08A= D08 CBDDCC34= B<
D08 CBDDCC88 : A < GKA >;< 14@4B0;
;B< 4B881= B3K 0;C91= ?4@A8C4A0 D4@: >
=J: G8G34= 0@B>8-BB= B<44 B0B 8D= 70;;88=G
< G8 08A1B A>A80;8A1= < 438D= B3K 0;CB 9D
< >B8>880=8834= : J88J9J=J A00D0880: A14= B<
34= >A0;B B0B 8D8-J88J/DJB: C81= 8- >;4D0=
4?JB8A 0@-8A4A0 0A1< 0A0 ' J7J= D08 CBDDDB
< CC= < C0A0 B0B 8>834= << 0 0: 888A8CA 9D
>A0< 8A8A>=G G8 08A1= D4@: >0;C8B>91= 70;
&8=0A0 A1: J G8?8A8>91= B@<0< 81= B3K 0;C
91= ;008C ;C>==4 9D=8834= : J88K >C;CB8: A1=
A8A;B< 9D B0D>888DCCA) 4@: >=J: G8G34= < 8
B0< 8A4A0 8A4A8J= >= < GKA>=64;< 8D 9>B 0
9>7BDD888K 0;C91= 9D 308D= 4?J;C>B88DCC34A
B 9D < 0=8C;>8-B74@: G34A8J ' 74;E0;;
>;< 14@ CB< 008B>= ?4@A8D8A0
B3K 0;C9A0 < 4B8308D= ;008C 0D>8 CCA9D;8= 88
B8DGA 70: 00;6>@8< 81= B>8< 8-BDD@ CCA9D B4
B: 0=B>91= DJ;8=4= B13>=A88> >D0B< 4@88J
DJAJ @>;8A0) 08 : 0 0;B< 4B88 0;4>= ?4@A8;B<
9D A1: 4J B@D4 >D0B0;B< 4B82A B3K 0;CB434;
>44= ?@B>88G?8 9D ?8>B>8-BD08744A0 B3K 0

;C9I= A>D4;;C. A1B4?JDD@ >9D 9 < 4=4B1;< J= B-8
< 8DCC34= =J: K; C;< 0A8D 4@8G4= B1@4J OCB
< 0EBB : 0 4?J;C>B1EBDD00 # = 0@8>8C 4EBJ
?4@-B18A1= < 4=4B1;< 8I= D0: 8B-8C 8A4= : C;C8
=>8= DC>EBD 9D 4EBJ 08=0: 00= ;G7G1< ?JJ D0
: 8B-8C 8A08 00 48>;4 AGCEJ CCA8B0 < 4=4B1;< 8
B1 >3>EBD0 : A 4A8< \$ @<

A800;8A1= < 4380= B3K; 0;CB 800AB=
B0B 80B3K?09-9I= : 4A CAB1;C8A0 B;44 CA18= 8
< 8 : C8= 0 BCB 80B48DJB>;4: 8B==8B1=44B7C>
< 8B0 A874= 4EBJ A>A800;8A1= < 4380= B0@-0< 0B
0;CAB8B>D0BDD8= =J4==J8A4AB0D>8< 8D 9D B-8< 8<
B0;>68B : 0=A0 9D 47B=A0 48DJB>;4: G;8= ;J?8-J
: CEBJ < 0;CAB-9I= 4@8A8D : A >@-4G
>=34@

) C>==0 4;A8-68= G8?8A8= : 800AB>A0
>B1EBB= :>4: JGBNK= & # = \$;C< + ! 4E@A
0;B< 4EB8 : 0>79I;< 8A8 ' CB 8>8;4 ACC==0EB
0;B< 4EB8 : 0?0;D4;C>= D8I;J B1AJ D08744A0 : >
: 484D00 4A 48-4= 4=A8 J34= 7C>< 8>= 4EBJ
0;B< 4E@8A1 < EB0@8A0 B1B14=0;>9I= DJ;8;J>=
ACC@ =J: GGG4@9D @8G4/AB7C< 0=8A8A G7
B18A C=EB1B14;8A1= BCB 8>84= 9C; 08AC?@5EB
;8EB>EBDD0B7C< 0EBDD/AB4?JBJG4;8A1< < J=
: 0D0= BCB & C. A1= D08 EBDDCC34A8D : C8- 4A8
< 4@8 A8;JJ: 4 9D;C>==>=B1B14;;8A1= BCB 8>8
34= ?@5EB8 =6;C=3 4B0; " G G@

' CB & CA70;8==>= 9D @7>EBD8A1= =J: K; C;
< 0A8D < EB0@8 9-B 0 B>EBDD0B=J4==J8A4= AC>
<D8D08A4AB8C;: EBDD00=C< 44@8D 30EB0 >DOB
?C>;4A80= 7>C. CEB1;4D8D @70=9D>= 9D @: @
B-8=8=8 DJ;8-4EBJ # = : C8A1= 8= AGCEJ >EBD0
7C>< 8>= 4EBJ =8= 0;B< 4E@8A1 : C8= ?4@-
B18A1= 181;8< 4E@8A1= 0=0;GG8I= : JGBKJ B1A
AJ B0@>8C. A4A0 >= ?08>: : 00AB: @8A>8C 9D
B-34EB8 4EBJ G AEBJ8A1= BCB 80= 0< < 0EB8D8
3>= 0@8-8=8= B;44 08=0 ?>79DCE00 ;003C;8
A44= 9D A8A1;;K;8A44= B0@0A8I;CC= H 484@
< 4EB8 >84= B>EB< 00= =C< 44@8A1= 9D@1A
EB A44= : A 4A8< >@< 0= " 8= 8 JJ=
4@8B1B14=0;>9I= : 4A 8-J8-4= D4@88C=C< 44
@8A1= 30EB= ?4@8A14;0>= 70@00=9>7EBDD00
: >A 0 B1B14=0;>9I= 9C; 08A1< 8A1= >< 8=08A
?8B14B9D 0@8>878= : JGB1EBJ D8A1 >;4D0= 30
B0= : 0EBDDCCA9D ;00EB 48DJB>;4 G7B18< 8B;;8A8
A 4A8< ! C7>=4= \$!K;K=4=

) 08-8 : 0 078 08-4= >8A08= B0
?0C. A8A0 748 : >=J: GGG49D A8B1 : 0EBD 0;B< 4B
@8A1= < EB0@834= @?>@< 8< 0 D00EB< 0EB< 0;B0
=JGB1DJ D08 C8CA00EBD0: 8= B-8< 8D BCB 80;>4 9>
?0 0=EB< 08>: A1=0 < 8 J D08 EBDD 4@8G4/AB
B0B 80: C=0= < > ED>8=8A8
;B< 4E@8A1= B3K; 0;C9I= : JGBNK=>B= 70
;C : CCB14= 9D < > ED>8=8=8= 700A8DCCB14= ;8B
B3G< GKA8CB 8>84= 4?JEB1B-8CCA/ABEJ : 4=4;4
B0B & C. A1= D08 EBDDCC34= 0@8-8=EBD B17
3JJ= ! 878= B0@>8C. A44= 4A8< 4@8 A8EBB 8D
8A1 B0@8A4 0;B< 4E@8A1 ;C. C9D B8< EBJ ;CDC8A
B0 D>8EB; EB ' CB 80;>4 0;B< 4E@8A1= < EB0@8
34= B>EB< 0B ;CDB 9JJDJB 8= CA18=
: C@-A814EB A89D 0EB : 4;8= ;8EB8DJ B-34;8-4=
38D;>68>= D00@A0 ?4: 8A8GJ =C< 44@8A1= 4A8
EB A1= B0@0A8I;C. A8 \$4@-B18A1= 181;8< 4EB
A1= D888CA0=0;GG8= B0?00= =C< 44@-4= ;C. C
48: 4@ 7C>< 8= A8A1;;KABJ 48 J ;003CAB0 < GKA
: JJ= 0;B< 4EB8 0A0 @8-8=8= >79DCA08 C
B0A8CB & C. A1= ;C>=B14A4= 9D 9?0 ;00EB<=
=JGB1GBG=J8A1 B0?0C. A8A0 A4;DJAB >@40
: >C;C9I= G;J?8B1< 8I= 0D>8=EB B134EBJ B; 4
D8I= BCB & CAB1B: 0=B-9I= >=64;< 0>= A8B-J
4EB18DJB=4 ?GAB< >EBD>8< 00= BCB 8>8D A0< 0;
;0 8=BI=AB14EB;J: C8= : 0C?0;;8A1B9D AC;9A8BA>

' CB 80B>D0BB-8D=44EB8C; 08AC9I= B0@0A8I
;CC= CCA8D =J: K; C;< 8D A8< 4@8 A8EBB & C.
A1= D08 EBDDCC34= : JAB8A1= ;009I=EB< 8-4=
0D>8< 4= B1B14= 438A1< 8-4= 9D < GKA?4@-B18
A44= 181;8< 4EB8 : 00= : CC;C< 0EB< 8I= 4@808A
B1= 9C; 08ACB8?8I= A8A1;;EBJ< 8-4= ?>A8I@B
D4@: >: 8@-8C. A1B9-4 9C; 08ACB1B: 0=B-878=
9D 0=0;GG41878= >D0EBJ;;08A0 < 073>;;8ACC. A8D
%8A 8-J : C= >= 4EBJ 0;B< 4EB8 : 0=J73JJ= ?8
: 0@B 08AC=0 8< 8K;4 9>: 0 D00EBB?0;9= < >=8
< C>B-8A1< ?8D=J: K; C;< 8D 9D : >=: @8BA-8=EBD
\$>7EB1A00= D08 EBDDCC8D 9D DC>@D08 C8CA8D
) J;8D4@=4= B-B100: 8= 4EBJ < EBDD0< 8A
B0 B17>: : 00< ?8EB?0 438A1J B134D81A8B-B1J 9D
DC>@D08 C8CA8D>;8A8;C>30 CCA8D 5>>@< 4EB
B0B 8>84= 9D 4@80A1= G7B18A19I= : >7B0< 8
A44= 9D : 0==CAB0 BCB 8>8D CCA8B= 0DDC. A8B=
8A1: A8EB;8A8438A1J B13>= D0?00EB A00EBDDCB
B0 9D B1B14= 43CAB08A1= B0D>81EBDDCC8D < B

%&(\$ * &+*! \$ +)

9=4= " G G@ ' CB 80= < > ED>8=8FD

) 08 CEBDCCA: EBD@B4= >79CADD8 CEB: A4=0 B-8
D>BO=>;4DD= OD>8 4= EB4B4= : JGBJ=BN9= D07
D8AC < 8-4= ' J;;J 74B 4;;J : JGBKAAJ >;4DDB
0;B 4E@4BEBK 0;CB4DJB: CBI=: 00= 4@E@4AAB>B
: 0=BO 9C: 08AC94= 9 D888CAB= OD>8 CCB4= H
< 4@EBJDB ?8-J EB43>=: 4@C: @B4@G-J >D8BC;
: 08C= ?GAGJBC==8B4B 4A8 3>8 ! >=830B
;J734>=: CBI=: 8 AC;9EBC 4A8 ! 4=34;4GA4: J
: 0C?0;8B4=: CAB=BN84= < 0: AC;84BEB4B: 0==OB
;B 4E@B 0= EC;4DD8ACC34A8 @B?C< 0BDD OD>8
< 4=: 8: EBDJ= < 4B30B= 9) ?GAGB4= EC=8B4B
34= < 4@E@A>D8EBB & CAD4AB=JAAJ >;44;;8B
8@4B>B>8D80;B 4E@B 0= G7B4G4AAJ >A;BO=
>;0438B4J JAAJ < GABEB 8D= JJ=4=: CC< 8B
G7BJ;B4 434A0CB< 0;;0?4@B4A= 181;8< 4E@B
: 0= C: >?C>;4;0>;4D4= 9C: 08ACB3?84= A00B
D00B) 9;K34B4DGG4B A4: J B-8A0;B: 47EBJ< J;;J
0;B 4E@B : 030B= 9 < 4=4B;< 84= OD>8 C0B) 9
B-& 8D00B)

=6;C=3 08>=4\$ 4EBC=4' C=BC 078
: 08=4 " G G@&) 08-8: 0) \$;C+ 0;B
< 4E@B : 0?8>B 4;A8-68- G8>8B=: 8@4B>A0 H
: >: 4< C: A8 4@B4B4=0;8B-1\$;C+ 0;B 4E@A?8
>;B8- 4;A8: 8 (=84@E8 81@CH4F?4@4=24A5@<
3854@-B@A0@7 54;3A.) 4@: 0@ 4;A8-68- G8>8A
B=: 8@4B= D4@: >;47B 7B 1;>6A74;A8-
: 8B4@: 0@;47B?;C< F 0;B 4E@B : 0?8>B74;A8-68-
G8>8B=: 8@4B>A0 :>: 4< C: A8 4@B4B4=0;8B)

>@< 0= ! C: 08ACB9 EB4B4= < EBD< 8-4=
81;8< 4E@B 0=: JJ==4: >7B) ' 0< ?4@ =>AB=4

>@<4G >=34@ A>28) =4E>@8-6A8
B48=>B0=>?4= 0224AA@?>AB @# 5524>5827>;0@
>;G >>< C=820B= (=84@E8 >5 0;5=@8
7B >A2C=84@E8>52;5=@8 43C 0 A>28);
=4E>@8-6 A84 8A=>B0=>?4= 0224AA @?>AB@<

>;< 14@ 84607 >E<0= & >E<0= '
>@<08=4= ' ! 40AC@-6 B74A>281B) &
?02B>5>?4= A284=24H \$ @4=BB= >50 @A0@? ?@
942B =5@ 00B=BB & CA
7B >9ABDB8-34F?? 8-50@24 D8E

>;< 14@ ;B 4E@A5@<5@ 0B= ?@
54A8=0;A ?0AB?@A4=BO=3 50E@ * 0;B0< !
70=3>A\$C1;878=6 0= & ?@5 ;A4D84@

078 08=4 ;B 4E@A8= &>28); 8284=24A
0=3 C< 0=8B4A \$>A8188B4A 70;;4=64A 0=3 F
?4@4=24A \$0?4@ @A4=BB3 0B * H
>;C< 1CA# H >=42B=A >;01>@B= <
< C=8E8= 84A8= &>28); 8284=24 81 @@4A
E87 A8 0=3 # 240=8 7B7 ;81 @
@50>@ ;078 08=4 4= ?35

! C7>=4= % \$K;K=4= \$0;9=: >>=?;
9= 81;8< 4E@4= EB & C: A4= =J: K C< 8) G
B4A C=8) 9 7C< 0=8B4B= EB4B84=
9C: 08C: JGBJ=BB878= ' 84B4AAJ B?07BCC
7B7 >9ABDB8-34F?? BBO@
B2;4 D8E

" G G@ &) 08-8: 0) C838=60;B 4E@
A4@824A0B (81 270;;4=64A0=3 >?>@<=8B4A H
\$@4=BB= 0BB74 % >=54@=24 4;A8: 8
8;0=3 7B7 ;814@ >@ E? 2=>
B4=BC?;>03A /" G G@) 08-8: 0/ ;B
< 4E@A?35

\$@< ' 0@1>@;8 @B7 \$ " 4G>=
;B 4E@A < 0=84A # 2B-14@
7B7 0;B 4E@A>@ < 0=84A

\$@< ;B 4E@A 4G=3 81;8< 4E@A
0@4A8-6! C;B8< 4-A8=0; =3820B@>5827>
>;0@G< ?02B 3813 1G ;084 @=8= 0A8B%
&C68< >B 0< 1@864! ! ' \$@AA

' 74;E0;; ! 1@4578B@>50;B 4E@A %
A40@? ' @=3A AAC4 H C=4 7B7 EEE @
A40@7B@=3A2< 8AC4 9C=4 0 1@4578B@<
>50;B 4E@A

) J;84@=4 C: 8-4= BB434 ' 0< ?4@) 0A
B?08=>