





Eawag: Das Wasserforschungs-Institut des ETH-Bereichs



Lienert, Duygan, Zheng (2015) Preference stability sust. water infrastruct. (Eawag, Switzerland)



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Low costs

Low annual

costs

Low cost

increase





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Lienert et al. (2015) EURO J. Decis. Proc.)

Methods / Objectives hierarchy

ntergeneration

al equity

Low future

rehabilitation

burden until 2050

Flexible system

adaptation

Protect water

and other

resources

Good

chemical

water-

courses

Recovery of

phosphate

state of the

Good wastewater infrastructure

High social

acceptance

Low time

lemand for

end user

Low distur-

bance by

unnecessar

construction

and road

works

Safe

wastewater

disposal

No. of

gastro

intestinal

infections

through

direct

contact with WW

Sufficient

drainage

capacity of drainage

system

Note: This is a simplified objectives hierarchy. Full hierarchy see

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Public (N=249)

Eawag (N=65)







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sults / Prefer	ence sta	ability o	over time, H4	on analysis)	
Rank reversal of sub-objectives	β	Sig.	Rank reversal of main objectives	β	Sig.
Method	.144	.034	Method	.386	.000
Knowledge	269	.000	Knowledge	138	.038
Experience	024	ns	Experience	073	ns
Age	.069	ns	Age	.187	.005
Education	127	.071	Education	024	ns
New experience	.150	.052	New experience	.158	.032
SAD of weights of sub-objectives	β	Sig.	SAD of weights of main objectives	β	Sig.
Method	.482	.000	Method	.492	.000
Knowledge	132	.035	Knowledge	046	ns
Experience	.072	ns	Experience	.030	ns
Age	.132	.034	Age	.186	.003
Education	097	ns	Education	090	ns
New experience	.129	.062	New experience	.138	.046



o Individual weights: clear effect of method (N=200; t=4.3, p=.000) SWING: 52% same rank (K.Tau: 0.556) SMART/SWING-var.: 35% (K.Tau: 0.265)



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eawag Literature for this talk • Also see SWIP project homepage (incl. two videos): www.eawag.ch/swip ○ judit.lienert@eawag.ch Hoeffler, S., & Ariely, D. (1999) Constructing stable preferences: A look into dimensions of experience and their impact on preference stability. Journal of consumer Psychology 8:

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