



Expanding the Concept of Self-Congruity: A Tourism Application

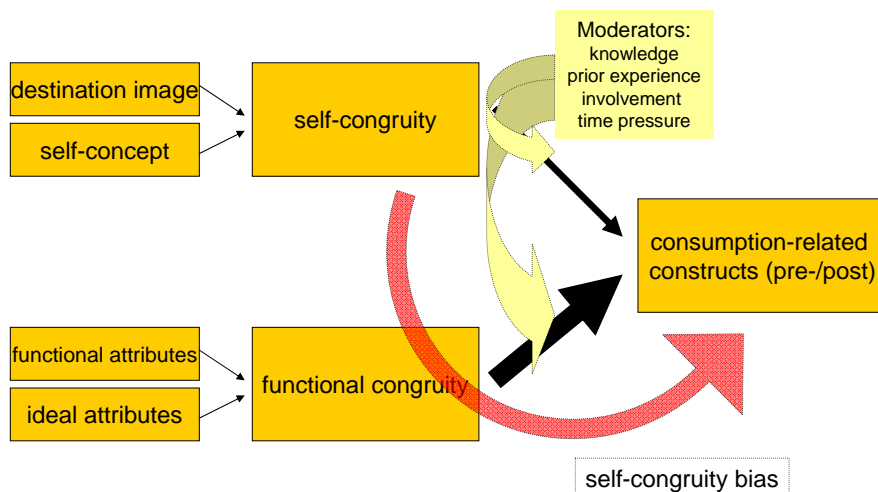
Michael Bosnjak*, Sarah Hellriegel**, M. Joseph Sirgy*** & Oswin Maurer*

*Free University of Bozen-Bolzano, Competence Centre in Tourism Management and Tourism Economics (TOMTE), Bruneck/Brunico, South Tyrol, Italy

**University of Mannheim, Department of Psychology II, Mannheim, Germany

***Virginia Tech, Department of Marketing, Blacksburg, VA, USA

Background : SICT





Background : SICT & Tourism

- In general, self-congruity is positively related to consumption related constructs (approx. $r = .40$; Bauer et al., 2006)
- **Pre-visit destination choice intentions**,
e.g. Beerli, Meneses, & Gil (2007): Small effects for real and ideal self-congruity on destination choice (log regression), 'statistical significant relations' for high-involvement tourists only
- **Post-visit constructs**,
e.g. Chon (1992): Post visit evaluation depends on self-image congruity type (largest for positive ideal and social congruity)
- Questionable issues in past research:
 - Artificial dichotomization of continuous variables (e.g., intention), attenuating statistical power > inferior statistical approaches (log regression instead of linear approaches, median split instead of moderator analysis) > questionable statistical conclusion validity
 - Conceptual flaws (self-congruity typology employed instead of multi-factorial view of determinants)
 - Questionable attribute sets to measure destination-tourist images



Problem Statement

Overall: Sufficiency of functional/self-congruity in understanding post-visit evaluations (satisfaction, word-of-mouth, revisiting intentions)?

Specific objectives:

- Increasing predictive validity.
- Capturing the full set of criteria tourists use to evaluate destinations (here: post-visit perspective).
- More fine-grained understanding of post-visit-related determinants.
- Deriving actionable recommendations by focusing on those factors most influential in explaining post-visit constructs.

Proposed SICT Extensions

Additional evaluative criteria tourists are presumed to use:

- **Hedonic criteria:** Visual/auditory/olfactory/taste/kinetic aesthetics
> *hedonic congruity*
- **Leisure criteria:** freedom from external control, freedom from work, involvement, arousal, mastery, spontaneity
> *leisure congruity*
- **Moral criteria:** contribution to local community, fair and well treatment of employees, environmental friendliness
> *moral congruity*
- **Safety/health criteria:** promotion of health, longevity, safety
> *safety congruity*
- **Economic criteria:** Affordability, price-level
> *economic congruity*

Theoretical Roots (Selection)

- **Maslow's hierarchy of needs:** Low order needs (> safety congruity), high-order needs (> moral congruity)
- **Rokeach:** Instrumental versus terminal values: New congruity facets primarily capture terminal values
- **Inglehart values:** Materialistic (material and physical security) versus post-materialistic values (affiliation, self-presentation, aesthetic and intellectual needs, tolerance, trust, success, preservation of environment)
- **Schwartz values:** Circular value structure along the two axes (1) self-enhancement/self-transcendence and (2) openness to change/conservation
- **Five factor model of human personality:** openness, conscientiousness, extraversion, agreeableness, emotional stability

Research question(s): An Overall Congruity Model



Incremental predictive validity (i.e., over and above functional/symbolic congruity) of the following five additional congruity facets:

1. hedonic congruity
2. leisure congruity
3. moral congruity
4. safety congruity
5. economic congruity

... on:

1. overall satisfaction with stay
2. intention to revisit
3. positive word-of-mouth: willingness to recommend

Method



- Subjects
 - $N=$ 1124 German Web-based consumer panel members
 - 48% female
 - Mean age= 38.8 ($SD=$ 14.7)
 - Top 5 destinations among respondents: Germany (26.9%), Spain (16.6%), Italy (10.5%), Turkey (5.5%), Austria (4.5%)
- Procedure and Materials
 - Field period: November 3-10, 2008
 - Web-based survey on evaluating the most recent vacation in 2008
 - Pre-tested, multi-item questionnaire assessing the exogenous (seven congruity facets) and the endogenous variables (overall satisfaction with stay, intention to revisit, positive word-of-mouth: willingness to recommend)
<http://www.unipark.de/uc/urlaub/r/>
- Analysis strategy (first analysis phase)
 - Quantifying the incremental contribution: Hierarchical regression analyses (step 1: function/symbolic congruity; step 2: hedonic/leisure/moral/safety/economic congruity)
 - Big picture: Path model

Results : Satisfaction with Stay

Step	Predictor Variable(s)	<i>r</i>	<i>beta</i>	<i>R</i> ²
1	Functional congruity	.49**	.33**	.34
	Self congruity	.50**	.34**	
2	Functional congruity	.49**	.18**	.41
	Self congruity	.50**	.23**	
	Hedonic congruity	.48**	.18**	
	Leisure congruity	.31**	.19**	
	Moral congruity	.28**	-.05	
	Safety congruity	.44**	.09**	
	Economic congruity	.47**	.03	

Hierarchical multiple regression analysis relating function/self-congruity (step 1) and hedonic/leisure/moral/safety/economic congruity (step 2) to overall satisfaction with stay. (*N* = 1124; ***p* < .01, **p* < .05)

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Results : Intention to Revisit

Step	Predictor Variable(s)	<i>r</i>	<i>beta</i>	<i>R</i> ²
1	Functional congruity	.49**	.33**	.33
	Self congruity	.50**	.33**	
2	Functional congruity	.49**	.22**	.37
	Self congruity	.50**	.25**	
	Hedonic congruity	.46**	.19**	
	Leisure congruity	.32**	.07*	
	Moral congruity	.29**	-.06	
	Safety congruity	.40**	.05	
	Economic congruity	.37**	.05	

Hierarchical multiple regression analysis relating function/self-congruity (step 1) and hedonic/leisure/moral/safety/economic congruity (step 2) to the intention to revisit the destination. (*N* = 1124; ***p* < .01, **p* < .05)

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Results : Word-of-Mouth

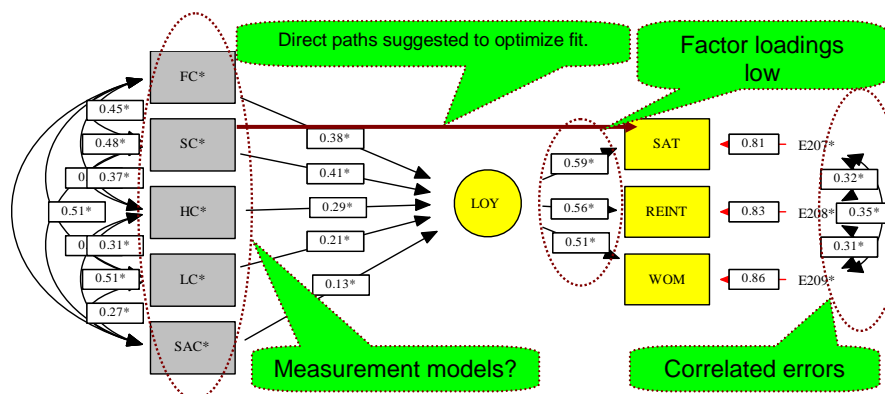
Step	Predictor Variable(s)	<i>r</i>	<i>beta</i>	<i>R</i> ²
1	Functional congruity	.49**	.38**	.29
	Self congruity	.43**	.24**	
2	Functional congruity	.49**	.27**	.32
	Self congruity	.43**	.18**	
	Hedonic congruity	.43**	.14**	
	Leisure congruity	.30**	.03	
	Moral congruity	.30**	.00	
	Safety congruity	.40**	.10**	
	Economic congruity	.31**	-.01	

Hierarchical multiple regression analysis relating function/self-congruity (step 1) and hedonic/leisure/moral/safety/economic congruity (step 2) to positive word-of-mouth: willingness to recommend (*N*= 1124; ***p*< .01, **p*< .05)

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Results : Big Picture (Work in Progress)



Work in progress: Preliminary SEM/path-model relating SICT predictors to loyalty in tourism constructs (CFI= .93; RMSA= .17 [90%CI: .15, .19])

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Summary of Results

- Incremental predictive power by the five new congruity facets: 3%-7% of explained variance (base level: 29%-34%)
- Influential new congruity facets explaining ...
 - ... *overall satisfaction*: hedonic, leisure, safety
 - ... *revisiting intentions*: hedonic, leisure
 - ... *positive word-of-mouth*: hedonic, safety
- Differences in (estimated) influence of predictors!



Implications

- Universal importance of symbolic/functional/hedonic congruity
 - Angle for strategic optimization
 - Systematic pre-visit assessment of functional, symbolic and hedonic needs will most likely help to design tourists' overall experience aimed at optimizing a broad set of post-visit evaluative criteria.
- Differential importance of predictors:
 - Safety congruity as an additional aspect to manage word-of-mouth effects.
- Consequences of non-relevant aspects:
 - Economic and moral aspects do not play a significant role in post-visit evaluations!
 - Underweight in designating products/services consumed during tourists' stay.

Next Steps



- Overall mechanism or segment-specific sub-models? Identifying tourist segments within the data set.
- Self-reported versus estimated importance of congruity facets? Comparing subjective predictor weights with estimated predictor weights (e.g., subjective versus estimated role of moral congruity).
- Modeling non-compensatory decision rules by including interaction effects.

Thank you for your attention!



Slides:

<http://conference-contributions.bosnjak.eu/>

Contact:

michael.bosnjak@unibz.it

Descriptives, Correlations, Reliabilities

Scale		M	SD	1	2	3	4	5	6	7	8	9	10
1	Sat	4.8	0.8	.80									
2	ReInt	4.5	1.1	.57**	.87								
3	WoM	5.0	1.1	.59**	.54**	.63							
4	FC	4.6	0.8	.49**	.49**	.49**	.84						
5	SC	4.4	0.7	.50**	.50**	.43**	.54**	.66					
6	HC	4.4	0.7	.48**	.46**	.43**	.53**	.47**	.79				
7	LC	4.3	0.8	.47**	.37**	.31**	.41**	.43**	.45**	.88			
8	MC	4.3	1.0	.28**	.29**	.30**	.42**	.33**	.53**	.24**	.60		
9	SaC	5.1	0.8	.44**	.40**	.40**	.55**	.41**	.55**	.39**	.47**	.83	
10	EC	4.5	0.8	.31**	.32**	.26**	.37**	.29**	.43**	.35**	.33**	.34**	.83

Note. Sat = Satisfaction, ReInt = Revisiting Intentions, WoM = Word of Mouth, SC = Self-Congruity, FC = Functional Congruity, HC = Hedonic Congruity, LC = Leisure Congruity, SaC = Safety Congruity, MC = Moral Congruity, EC = Economic Congruity; Coefficient alphas are presented in boldface along the diagonal; ** $p < .01$.

Related Literature

- Bauer, H. H., Mäder, R. & Wagner, S.-N. (2006). Übereinstimmung von Marken- und Konsumentenpersönlichkeit als Determinante des Kaufverhaltens – Eine Metaanalyse der Selbstkongruenzforschung. *Zeitschrift für Betriebswirtschaftliche Forschung*, 58, 838-863.
- Beerli, A., Díaz Meneses, G., & Moreno Gila, S. (2007). Self-congruity and destination choice. *Annals of Tourism Research*, 34(3), 571-587.
- Chon, K.S. (1992). Self-image/destination-image congruity. *Annals of Tourism Research*, 19(2), 360-363.
- Chon, K.S., & Olsen, M.D. (1991). Functional congruity and self congruity approaches to consumer satisfaction/dissatisfaction in tourism. *Journal of the International Academy of Hospitality Research*, 3, 2-18.
- Kastenholz, E. (2004). Assessment and role of destination-self-congruity. *Annals of Tourism Research*, 31(3), 719-723.
- Sirgy, M. J., Grewal, D., Mangleburg, T. F., Park, J., Chon, K. S., Claiborne, C. B., Johar, J. S. & Berkman, H. (1997). Assessing the predictive validity of two methods of measuring self-image congruence. *Journal of the Academy of Marketing Science*, 25, 229-241.
- Sirgy, M. J., Johar, J. S., Samli, A. C. & Claiborne C. B. (1991). Self-congruity versus functional congruity: Predictors of consumer behavior. *Journal of the Academy of Marketing Sciences*, 19, 363-375.
- Sirgy, M. J. & Su, C. (2000). Destination image, self-congruity, and travel behavior: Toward and integrative model. *Journal of Travel Research*, 38, 340-352.