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## Psycho-social place appropriation scale. Mesuring an other dimension of a transdisciplinarity concept

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THEORETICAL FRAMEWORK - RESEARCH DESIGN - METHODOLOGY - RESULTS - CONCLUSIONS

## Social Psychology

Attitudinal & Conative PA

*No man's scientific land ...*



### PSPA scale

Lopez, Charles & Dias

Some examples of questions:  
(not valid translation from the french original version)

*"When you go to that place and see other people you feel safe"*

*"If you couldn't go to that place anymore, you would experience that as an unfairness"*

*"You think that decisions about this place is your business you and that it would be normal to ask your opinion"*

*"Other people's presence prevents you from doing what you want freely"*

## Ethology

Behavioral PA

Fisher's control, transformations, and self expression (1980) & Altman's definition of territoriality (1975)



Behavioral maps  
Proshansky, H.M. (1976)

Observation  
Fischer's criteria (1980)

## Population

Step A: 188 students  
Step B: 93 people living close to a transport infrastructure or about to

### Exploratory factorial analysis

- 3 FACTORS
- 1 - Others apprehension
  - 2 - Perceived rights
  - 3 - Striving for exclusivity

### Explained variance (%)

Step A 1 = 25,5 2 = 21,7 3 = 18,1  
Step B 1 = 23,6 2 = 18,6 3 = 15,5

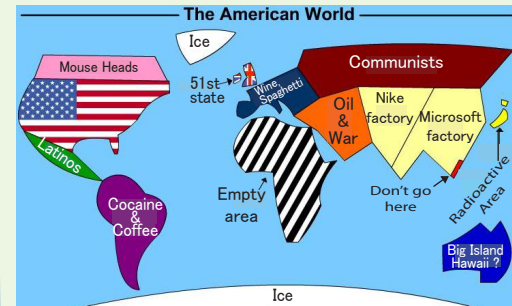
### Reliability (α Cronbach)

Step A 1 = .76 2 = .64 3 = .56  
Step B 1 = .69 2 = .46 3 = .30

## Environmental Psychology

Cognitive PA

De Waele, Morval & Sheitoyan (1992) and Morval & Corbière (2000): cognitive representations developed from exploratory



Spatial reconstruction game  
Ramadier, T. & Depeau, S. (2006)

Mental mapping  
Lynch, K. (1960)

Place appropriation scale  
Morval & Corbière (2000)

### Confirmatory factorial analysis

11, 9 and 8 item models were tested. Here, the results of the most parcimonial and satisfying model : 8 items over 3 orthogonal factors

	AIC	dI/X <sup>2</sup>	GFI	AGFI	RMSEA
Step A	0,426	3,07	0,932	0,883	0,9
Step B	0,518	0,81	0,954	0,921	0

### Convergence

τ de Kendall	Perceived rights	Others apprehension
Place attachment*	τ = 3,88**	τ = 7,79**
Place identity*	τ = 4,08**	

\*according to Jorgensen & Stedman (2001)  
\*\* significance for p < .001

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