Engaging in eco-friendly practices: a choice driven by environmental sensitivity or a marker of conformity to an ecological norm?

The case of trail-runners and cyclists



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16th ESA Conference - 27-30 Aug 2024



Introduction

- The department of Hautes-Alpes, a popular tourist destination with many outdoor activities
- "Greening" these activities

Research issues:

- How environmentally sensitive are the practitioners of these activities?
- How is it reflected in their environmental practices?
- Are they a consequence of this environmental sensitivity?

Hypothesis:

- Trail running and cycling practitioners have a marked environmental sensitivity that includes two
 dimensions. The environmental sensitivity at the political level is mainly linked to the social composition of
 practitioners.
- 2. The adoption of eco-friendly practices by these individuals is due to their social characteristics that make them more inclined to conform to the norm of dominant ecology



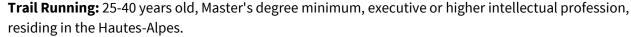
I. Theoretical framework

- Ecological (environmental) sensitivity: "a greater or lesser interest in nature and the environment" (Bozonnet, 2012).
- Mesuring and theorizing environmental sensitivity: NEP scale (Dunlap et al., 2000), Stern (2000)
- A correlation between pro-environmental attitudes and behaviors among outdoor activities practitioners (Kil et al., 2014)
- Difficulties to obtain a predictive link attitudes and behaviors, quoted by Gruas in 2021 (Heimlich and Ardoin, 2008; Hidalgo-Baz, Martos-Partal and González-Benito, 2017; Casalo and Escario, 2017; McDonald et al., 2015; Zsóka et al., 2013)
- Contributions of French literature:
 - Environmental sensitivity is not enough to change behaviors (Pautard, 2017)
 - High cultural capital and high adherence to an ecological norm (Grossetête, 2019, Cafargna et al., 2014; Bourdieu, 1979, Ginsburger, 2020)
 - Eco-friendly practices, power relations and definition of what is legitimate (Ginelli, 2015)
 - Unequal distribution of eco-friendly practices among people (Coulangeon et al., 2023)



II. Methods (1/2)

Activity	Reference Population	Sample	Sample Gender Distribution	Collection Method	
Trail Running	6,000 individuals	512 individuals (across 11 different competitions)	M:79% F:21%	Self-administered paper questionnaire on-site	
Cycling	1,784 individuals	345 individuals (over 15 different days)	M:71% F:29%	Self-administered tablet questionnaire on site	



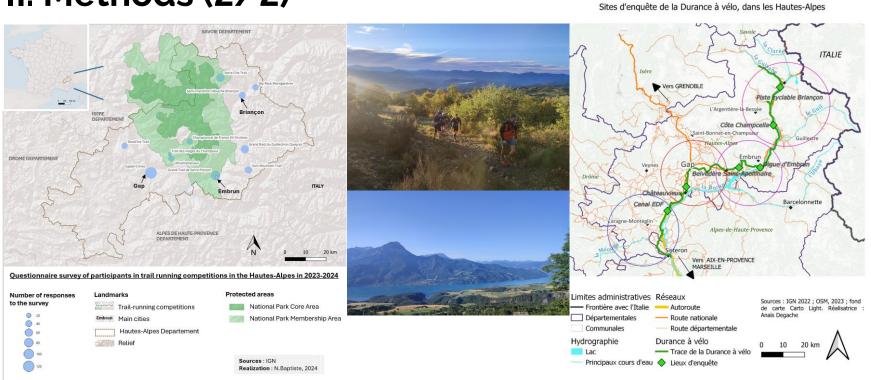
Cycling: On average 52 years old, Master's degree minimum, executive or higher intellectual profession, residing in the Hautes-Alpes or neighboring departments.

Some questions from our questionnaires were adapted from two national surveys:

ADEME, CREDOC (2023), Sensibilité à l'environnement, action publique et fiscalité environnementale. CGDD/MTES, IPSOS (2016). Enquête sur les pratiques environnementales des ménages.



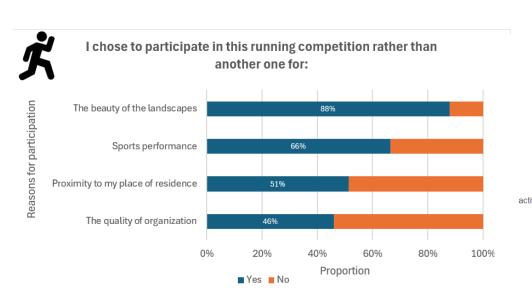
II. Methods (2/2)

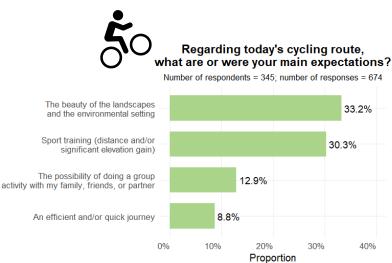




III. Environmental Sensitivity: A Consensus and/or a Political Issue?

III.1. Environmental Sensitivity as a Consensus





Number of respondents by item = 512 Methodological note: Respondents were asked to answer each of the questions either yes or no. Missing responses were counted as "no".

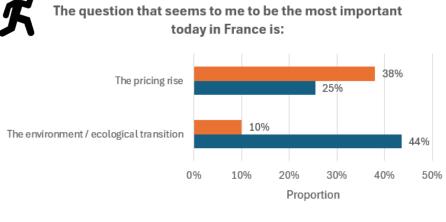


III.2. Environmental sensitivity: a political and normative

issue

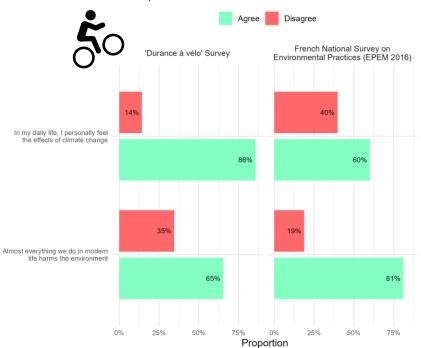
Comparison of Responses by Opinion Question and by Source

EPEM, 2016: n = 4250. Durance à velo, 2023: n = 344. Non-responses were excluded.





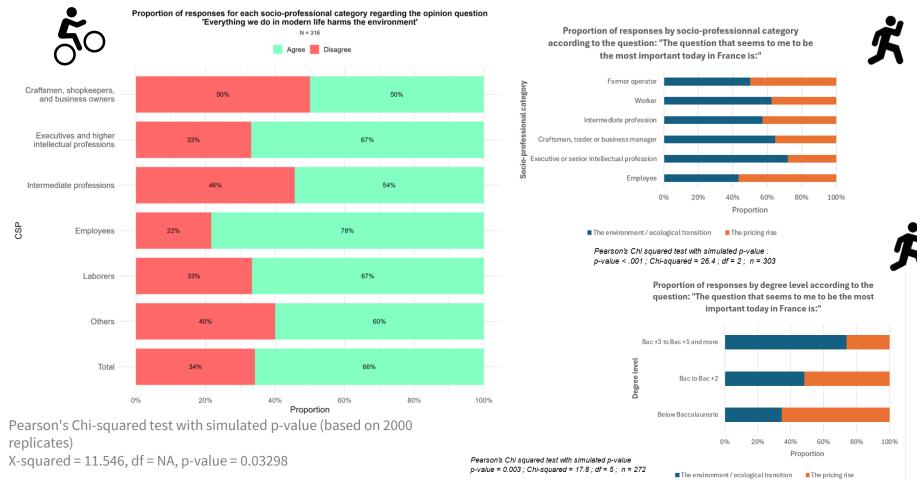
■ Trail-running' Survey



The responses from the EPEM survey were divided into 4 opinion categories and were grouped into 2 for the sake of comparability.

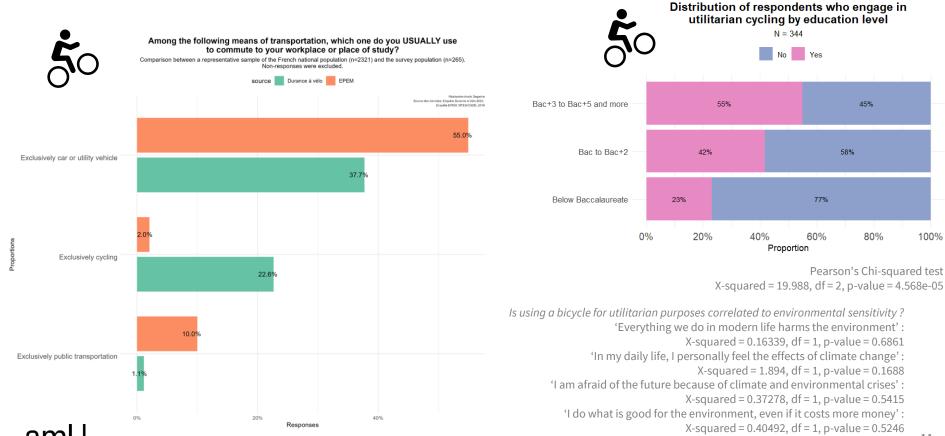


III.3. Environmental sensitivity primarily depends on socio-demographic variables



IV. Eco-friendly practices: A Nuanced Assessment

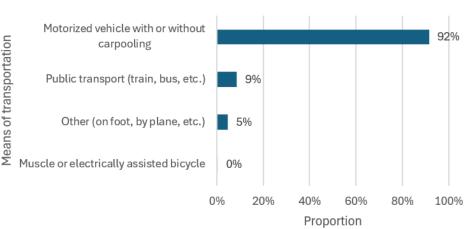
IV.1. Mobility practices: A pronounced use of bicycles in routine contexts



IV.2. Mobility practices: A dominance of motorized vehicle for coming to the competition







Results of independence tests between the use of a motorized vehicle with or without carpooling and socio-demographic variables and environmental sensitivity

Degree level (Pearson's Chi squared test with simulated p-value) p-value = 0.673; chi-squared = 0.793; df = 2; df = 494

Gender (Fisher's Exact test) p-value = 0.081; n = 508

Age (Pearson's Chi squared test with simulated p-value) p-value = 0.842; chi-squared = 1.41; df = 4; n = 507

Socio-professional category (Pearson's Chi squared test with simulated p-value) p-value = 0.757; chi-squared = 2.69; df = 5; n = 452

Environmental sensitivity

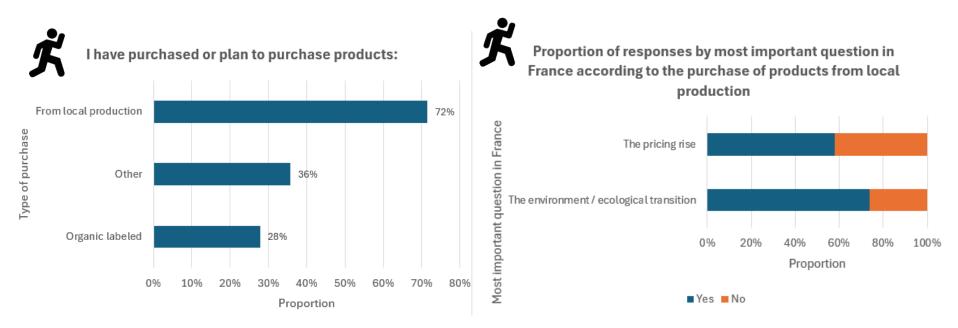
(Pearson's Chi squared test with simulated p-value) p-value = 0.180; chi-squared = 1.80; df = 1; n = 300

Number of responses = 542; number of respondents = 508

Methodological note: Respondents could tick several answers. The questionnaire included the response options "Individual motor vehicle without carpooling" and "Carpooling", which were here grouped under the option "Motor vehicle with or without carpooling".



IV.3. Consuming local products: An eco-friendly practice but also a tourist activity



Fisher's Exact test - p-value = 0.156; n = 92



Conclusion

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- A consensual relationship with the landscape as an environmental amenity
- Dissent when it becomes political: a marker of ecological norm and unequal distribution across social categories (degree level as dicriminating factor)
- No systematic link between environmental sensitivity and eco-friendly practices (the case of mobility)
- Eco-friendly practices in appearance and normative supports of tourist practices
- Qualitative data to better understand the reasons and processes of the conversion of practices

