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Influencing pro-environmental behaviors through visual arts: a scoping review of research designs and state of knowledge. Supplément

Kelly Gbeve, Virginie Francoeur, Sophie Bernard, Louis Tanguay

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SUPLEMENTARY TABLE A

Main characteristics of the studies included in this review

Study Reference	Art form and artwork	Study objectives	Sample					Survey Delivery Method(s)	Study Design
			Population	Age	Sex	Education	N		
Baldwin & Chandler (2010)	Festival, *Photovoice*	To understand the impact of photovoice on participants' awareness, understanding of others and inclination to take action in relation to climate change	Australia Artists: 4 Residents: 8 Visitors: 4	Not specified			16	Post-workshop survey (onsite)	Mixed method (quantitative and qualitative)
Girard (2022)	Documentary film, *Cowspiracy, Demain, Découverte*	To understand the impact that climate change related documentaries can have on the adoption of pro-environmental behavior and verify the impact of different persuasion techniques used in those documentaries	Quebec, Canada Adults	Average age was in the forties, all age groups were represented	Mostly women	Diverse, most participants were educated to university level	22	Pre- and post-surveys (onsite) Follow-up 1 month after (online)	Mixed method (quantitative and qualitative)

Study Reference	Art form and artwork	Study objectives	Sample					Survey Delivery Method(s)	Study Design
			Population	Age	Sex	Education	N		
Hofman & Hughes (2018)	Documentary film, *The Sea & Me*	To explore whether the documentary, along with support materials provided post viewing, resulted in the adoption of conservation behaviors	Australia Students in tourism degrees at the University of Queensland	Under 20: 16% 20-29: 81% 30+: 3%	75% female	Undergraduate: 64 Postgraduate: 118	182	Pre- and post-surveys (onsite) Follow-up survey 70 days after viewing (online)	Quantitative
Howell (2011)	Movie, *The Age of Stupid*	To investigate the impact of the film on UK viewers' attitudes and behavior	United Kingdom Moviegoers in the UK	16-24: 13% 25-34: 24.7% 35-44: 19.1% 45-54: 13% 55-64: 16% 65+: 13% Not given: 1.2%	F: 56.2% M: 40.1% Not disclosed: 3.7%	First degree/masters: 68.5% PhD: 9.9% Lower qualifications: 14.8% Not given: 6.8%	162	Pre- and post-viewing survey (onsite) Follow up via online survey 10-14 weeks after viewing	Mixed method (quantitative and qualitative)
Klockner & Sommer (2021)	Exhibition, *ArtCOP21*	To research relations between psychological responses, artworks and the potential impact on	Paris, France Visitors of the ArtCOP21	Mean: 36.6 years (SD = 16.4)	F: 56.2% M: 43.6%	University: 71% College or technical: 9.2% High school: 15.9% Primary school: 3.9%	883	Post-event survey	Quantitative

Study Reference	Art form and artwork	Study objectives	Sample					Survey Delivery Method(s)	Study Design
			Population	Age	Sex	Education	N		
		visitors in the form of support for pro-environmental policies							
Marks et al. (2014)	Festival, *Floating Land (FL)*	To evaluate the impact of the festival on the audience's intention to adopt or reinforce pro-environmental behaviors and explore whether the event contributed to developing their sense of place	Australia (1) FL audience	16-25: 3 26-35: 9 36-45: 20 46-55: 28 56-65: 32 65+: 8	F: 60 M: 30	University: 58 Not university: 34 Other: 6	120	Post-event survey (onsite)	Mixed method (quantitative and qualitative)
			Australia (2) FL workshops	Not specified			30	Post-workshop survey (onsite)	
			Australia (3) Local residents	Not specified			36	Pre- and post-festival survey delivered in household letterboxes	
Schneller & Irizarry (2014)	Mural, *sea turtle murals*	To understand the impact of public art (sea turtle murals) on pro-environment behaviors related to protection of	Baja California Sur (B.C.S.), Mexico Students and adults from	Students: - min: 12 - max: 18 - mean: 14 Adults: - min: 18 - max: 72 - mean: 39	F: 147 M: 175 Not disclosed: 11	NS	Total 333 Students 172 Adults 161	Semi-structured interviews	Qualitative

Study Reference	Art form and artwork	Study objectives	Sample					Survey Delivery Method(s)	Study Design
			Population	Age	Sex	Education	N		
		the marine environment	nine B.C.S. communities						
Sommer et al. (2019)	Immersive installation, *Pollution Pods (PP)*	To evaluate the impact of the exhibition on participants' intention to adopt and adoption of PEB	Trondheim, Norway Visitors of Starmus Festival	Mean = 32.66	Average of 56% female with no significant difference among the 3 groups	University: 48% College: 18% High school: 25% Primary school: 11%	1,016	Pre- and post-exhibition surveys (onsite) Follow-up via a web platform to track carbon footprint (online)	Quantitative
			London, United Kingdom	Mean = 35.57		University: 79% College: 15% High school: 3% Primary school: 3%	851		
			Comparison Groups	Mean = 38.33		Not specified	795		