|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Construct | Definition | Effect on Behavior\* | Supporting Literature\*\* |
| Individual | Risk perception | Subjective construct that reflects an individual’s perceived vulnerability and consequence of a hazard risk. | +/- | Bubeck et al. [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2011.01783.x); Kellens et al., [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2012.01844.x); Lo, [2013](https://www.sciencedirect.com/science/article/pii/S0959378013001258); Birkholz et al. [2014](https://www.sciencedirect.com/science/article/pii/S0048969714000709?via%3Dihub); Poussin et al., [2014](https://www.sciencedirect.com/science/article/pii/S1462901114000264); van Valkengoed & Steg, [2019](https://www.nature.com/articles/s41558-018-0371-y) |
| Experience (direct or indirect) | Direct experience is represented by an individual witnessing a hazard. Indirect experience is an individual who gathered information (e.g. social media, newspaper) from others who had direct experience. | + | Bubeck et al. [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2011.01783.x); Kellens et al., [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2012.01844.x); Poussin et al., [2014](https://www.sciencedirect.com/science/article/pii/S1462901114000264); Valkengoed & Steg, [2019](https://www.nature.com/articles/s41558-018-0371-y) |
| Knowledge | Knowledge is an individual’s awareness of climate change and climate-related hazards. | + | Bubeck et al. [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2011.01783.x); Kellens et al., [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2012.01844.x); Valkengoed & Steg, [2019](https://www.nature.com/articles/s41558-018-0371-y) |
| Coping Appraisal | The effectiveness of a risk mitigation behavior on managing a hazard. | +/N.S. | Bubeck et al. [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2011.01783.x); Poussin et al., [2014](https://www.sciencedirect.com/science/article/pii/S1462901114000264) |
| Trust | Trust represents an individual’s belief in others (e.g. science, government) to effectively help in risk mitigation of a hazard. | +/- | Kellens et al., [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2012.01844.x); Viglione et al. [2014](https://www.sciencedirect.com/science/article/pii/S0022169414000249); Roberts & Wernstedt, [2018](https://journals.sagepub.com/doi/pdf/10.1177/0275074018799490); Valkengoed & Steg, [2019](https://www.nature.com/articles/s41558-018-0371-y) |
| Risk-taking attitude | Risk-taking attitude represents an individual’s place on a spectrum of risk-loving to risk-averting. | +/- | Viglione et al. [2014](https://www.sciencedirect.com/science/article/pii/S0022169414000249); Roberts & Wernstedt, [2018](https://journals.sagepub.com/doi/pdf/10.1177/0275074018799490); Poussin et al., [2014](https://www.sciencedirect.com/science/article/pii/S1462901114000264) |
| Age | Age is an individual’s total years of life. | + | Bubeck et al. [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2011.01783.x); Poussin et al., [2014](https://www.sciencedirect.com/science/article/pii/S1462901114000264) |
| Gender | Gender is an individual’s self-described gender affiliation. | N.S. | Bubeck et al. [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2011.01783.x) |
| Education | Education represents the amount of formal education an individual experienced. | N.S. | Bubeck et al. [2012](https://onlinelibrary.wiley.com/doi/pdfdirect/10.1111/j.1539-6924.2011.01783.x); Poussin et al., [2014](https://www.sciencedirect.com/science/article/pii/S1462901114000264) |
| Collective | Peer influence | Peer influence reflects the impact of an individual’s social network on an individual’s ideas, beliefs, and practices. | + | Lo, [2013](https://www.sciencedirect.com/science/article/pii/S0959378013001258); Viglione et al. [2014](https://www.sciencedirect.com/science/article/pii/S0022169414000249); Poussin et al., [2014](https://www.sciencedirect.com/science/article/pii/S1462901114000264); Birkholz et al. [2014](https://www.sciencedirect.com/science/article/pii/S0048969714000709?via%3Dihub); Roberts & Wernstedt, [2018](https://journals.sagepub.com/doi/pdf/10.1177/0275074018799490); Bojovic & Giupponi, 2020 |
| Network Strength | Strength is represented by the amount of communication an individual has with their network ties. | + | Lo, [2013](https://www.sciencedirect.com/science/article/pii/S0959378013001258); Haer et al., [2016](https://www.sciencedirect.com/science/article/pii/S1462901116300570); Bojovic & Giupponi, 2020 |
| Network Expertise | Expertise is represented by how an individual perceives the expert skills or knowledge of their network ties in their particular field of work. | +/N.S. | Bracken et al., [2016](https://link.springer.com/article/10.1007/s11069-016-2284-2) |

\*The effect listed is informed by findings of previous research: + represents a significant positive predictor of risk mitigation behavior, - represents a significant negative predictor of risk mitigation behavior, and N.S. represents a nonsignificant predictor of risk mitigation behavior

\*\*This is a sample of supporting literature for each construct, however this is not an exhaustive list.