Framework element	Definition/ operationalization
Material NCP	"substances, objects, or other material elements from nature that directly sustain people's physical existence and material assets" (Díaz et al. 2018:271) - Energy - Food and feed - Material, companionship and labor - Medicinal, biochemical and genetic resources - Maintenance of options
Regulating NCP	"functional and structural aspects of organisms and ecosystems that modify environmental conditions experienced by people and/or regulate the generation of material and nonmaterial contributions" (Díaz et al. 2018:271) - Habitat creation and maintenance - Pollination and dispersal of seeds and other propagules - Regulation of air quality - Regulation of climate - Regulation of ocean acidification - Regulation of freshwater quantity, location and timing - Regulation of freshwater and coastal water quality - Formation, protection and decontamination of soils and sediments - Regulation of hazards and extreme events - Regulation of detrimental organisms and biological processes - Maintenance of options
Nonmaterial NCP	"nature's effects on subjective and psychological aspects underpinning people's quality of life, both individually and collectively" (Díaz et al. 2018:271) - Learning and inspiration - Physical and psychological experiences - Supporting identities - Maintenance of options
Migration need	Resulting from a person's vulnerability (composed of risk exposure, sensitivity and adaptive capacity (Adger 2006))
Migration ability	A person's capacity to leave based on individual characteristics and resources
Migration aspirations	A person's motivation to leave based on risk perception, self-efficacy and place attachment
Indicators	Specific factors that allow conclusions on migration need, ability or aspiration and can be directly linked with NCP, e.g. health status, agricultural income, food and drinking water availability
Moderators	Specific factors that mediate the relationship between NCP and migration need, ability and aspiration but are not directly linked to NCP, e.g. gender roles, humanitarian aid, social networks