The application of the holistic management (HM) method in Patagonia was highlighted in Teague’s rebuttal of the Briske et al. View Point recently published in Rangelands. Teague’s letter reinforced Allan Savory’s pictorial allusion to the Patagonia story in his now widely viewed TED talk. Since reference to the Patagonian cases in Teague was not supported by new or published evidence, and since we are familiar with many of these cases, we wish to provide a science-based perspective (complemented with firsthand knowledge) on Teague’s and Savory’s claims that HM grazing prescriptions are saving Patagonian rangelands from continued degradation.

Teague states that, range condition [was monitored] in detail for over 20 years on continuously grazed ranches in these dry rangelands. Every year the range condition was worse, so lowering the stocking rate even further [was advocated]. Deterioration did not stop, even in good years (p. 37). We found this statement particularly puzzling because it entirely ignores decades-worth of data from controlled grazing experiments conducted at two sites, each located a few miles away from ranches currently applying HM prescriptions. Both studies showed that range condition did not deteriorate under moderate continuous grazing. On the contrary, at one site, vegetation cover increased significantly (despite years of drought) and plant species diversity remained unchanged over the 10-year period of the study. At the second (drier) site, 5 years of detailed vegetation measurements showed that pastures that had been grazed moderately for over 20 years exhibited no change in cover of both total vegetation or forage species, and no increase in bare soil. Teague’s statement further contradicts a recently published long-term case study conducted on a continuously grazed ranch that adjusts stocking rates annually, tracking year-to-year fluctuations in forage availability. That study concluded that herbage production, stubble height of a key grass species, as well as sheep production indicators remained stable after 20 years of applying adaptive management based on moderate continuous grazing with flexible stocking rates.

Teague also states that, Five years ago they [an Argentine consulting firm that advocates HM] realized this [moderate continuous grazing?] was not succeeding, so using the example of successes in Argentina and other countries, they instituted Holistic Planned Grazing on scores of ranches in the region. After just three years, one of which was a drought year, [the] teams measured improvements in key ecosystem indicators and an improvement in animal performance, allowing for an increase in stock numbers [often five-fold] (p. 37). There is no mention here of which specific key indicators were measured and no details are provided about how these were determined. But more importantly, to offer 3 years of alleged data records (which often consist of decontextualized photographs) as proof that HM grazing prescriptions are reversing degradation of Patagonia’s rangelands is at best misleading. Restoration of degraded rangelands in southern Patagonia requires the establishment of a keystone tussock species, a demographic process that has been shown to be extremely slow. Tussock recolonization events via seed establishment are rare and management-induced local extinction of this species can take 37 to 84 years to fully unfold. Because of this, restoration is highly unlikely to occur in 3 years as claimed by Teague but more importantly, the legacies of ill-advised grazing strategies could influence this ecosystem’s dynamics for decades if not centuries to come.

Grazing regimes similar to those promoted by the HM system, which homogenize both the landscape and the vertical grass canopy structure, have been shown to lead to less stable ranching systems that become more vulnerable to cli-