

**Summer Field School [Online] on
MOUNTAIN ECOSYSTEMS AND RESOURCE MANAGEMENT
19-28 September, 2021**

Name of Faculty Member (Facilitator)	Dr. Marius Warg Næss
Technical Session Group No.	5.2
Technical Session Group Name	Transhumance; Pastoralism; Rangeland Governance
Topic	Rangelands Fragmentation, Enclosure and Impacts
Sub-Topics	<ul style="list-style-type: none"> • Rangeland Fragmentation: Definition, Underlying Causes • Enclosure Movement and Rangelands Fragmentation • Biographic, Habitat and Ecosystem Implications of Fragmentation • Livelihood and Social Impacts of Fragmentation • What can be done?
Synopsis (if any) (max. 100 words)	<p>Globally, pastoral adaptations to climate change are challenged by privatization programs changing land tenure systems from commons to smaller, private grazing areas. Privatization has been advocated to counter herder-induced environmental degradation, i.e., overgrazing. More recently, developmental aspects have been highlighted: one of the main assumptions is that social services are best provided in settled, urban environments. Notwithstanding the noble aim of developing pastoral societies, comparative evidence suggests that social and ecological consequences can be detrimental. Rangeland fragmentation and reduced mobility have increased the concentration of people and livestock in small areas, thereby exacerbating rangeland degradation. Moreover, fragmentation disrupts traditional social networks and consequently limits the sharing of labour, food and pasture.</p>
List of Learning Material (Files to be availed to us before 31 August 2021)	<ul style="list-style-type: none"> ▪ Næss, M. W. (2017). Reindeer herding in a changing world – a comparative analysis. In I. Kelman (eds.), <i>Arcticness and change: Power and voice from the north</i>, UCL Press, London, pp. 59-75. OA book chapter: https://www.jstor.org/stable/j.ctt1tm7jp1. ▪ Næss, M. W. (2021). Collaborative foundations of herding: The formation of cooperative groups among

	<p>Tibetan pastoralists. Journal of Arid Environments 186:104407. https://doi.org/10.1016/j.jaridenv.2020.104407.</p> <ul style="list-style-type: none">▪ Bibliography (further reading).
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*Please read the Guidelines for Lecture Preparation before filling in this chart.