



a



b



c



d



e

Figure S1. Dynamics between antropic and natural areas with shrubby vegetation and grassland in the upper Bistrita basin (a,b,c,d,e).



Figure S2. Changes in the opposite direction of areas with shrub vegetation towards forest through natural or artificial regeneration in the upper Bistrita basin



Figure S3. Typical landscape for the mountain area of the upper Bistrita basin



Figure S4. Change in land cover from pasture/natural meadow to forest determined by the abandonment of agricultural activities in the mountain area



Figure S5. Dynamics between the coniferous forest and areas with shrubby vegetation following the action of climate risk factors in the upper Bistrița basin.