1. System: Climate model with radiation, greenhouse gasses and global average temperature https://doi.org/10.3390/cli6040093
2. Make multiple climate models by step-by-step buildup from a simple model, to models with increasing amount of interactions. Do hindcasts and forecasts on these models
3. Complexity phenomenon: emergent scale invariance
4. System: Snow avalanches https://www.researchgate.net/publication/251435221\_Power-laws\_and\_snow\_avalanches
5. Make a square grid model of an area with different heights of unmovable rock/soil underground, creating different slopes, potentially recreating an existing real valley in a further stage. Try to recreate the behavior of real snow avalanches.
6. Complexity phenomenon: self-organized criticality and power-laws