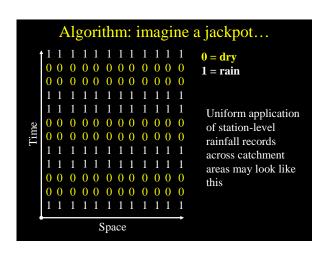
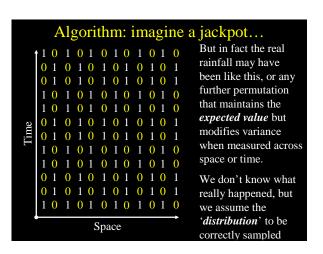
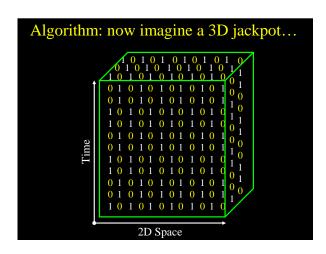
SpatRain A Space Time Rainfall Simulator E-will Ecological Modelling Unit World Agroforestry Centre BERNHOUMING LYPE AND LUNGSCATE World Agroforestry Center, Southeast Asia Regional Office, Bogor, Indonesia 2004

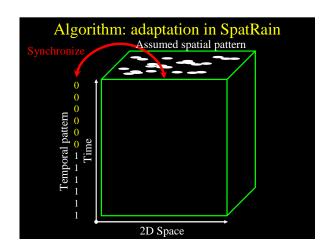
Introduction: why did we develop SpatRain?

- Representations of rainfall variability in space and time are needed for risk assessments (e.g. flood, crop growth); and
- Daily rainfall records from low-density networks of simple climate stations are often the only information available.









Step 1: assumed individual storm properties $I_d = I_0 * (1-exp-(f \rightarrow /d)^{f \leftarrow})$

Step 2: synchronizing dry cells to dry days (allowing multiple storm events)

P(dry days)=P(dry cells of single storm event)^N

