

# SPATIAL PATTERN OF DROUGHT IN BUNDELKHAND

Spatial Vegetation drought index : combination of Vegetation condition index and rainfall anomaly index (CPC)

## Satellite Input

- Historical dekadal SPOT- NDVI (1998-2006)
- Historical dekadal CPC rainfall (1998-2006)

VCI and MRAI posses a strong coupling for monitoring drought. So the new index is formulated as:

$$SVDI = a*(100 - VCI) + b*MRAI$$

Correlation between food grain yield anomaly & drought indices

