



























## Conclusions

- Aakash Project is working with large number of researchers in India and Japan on Kharif crop residue burning caused by intensive rice farming in the north-western states of India
- Our network of measurements are providing critical information on emissions of air pollution from the kharif crop residue burning, and their transport to the megacity Delhi
- Concentration of  $PM_{2.5}$  is found to be twice greater in the emission regions of Punjab (~400  $\mu g$  m^-3) compared to those over Delhi (~200  $\mu g$  m^-3) during Oct-Nov period
- The results of controlling crop residue burning is clear in the states of Punjab (and Haryana) reduction is fire counts, reduction in PUSA-44 variety but the history of CRB evolution is not fully explained
- Estimated mortality rate due to PM<sub>2.5</sub> air pollution reveals large increase in the rural districts of Punjab which were not evident earlier because of missing observations in the region