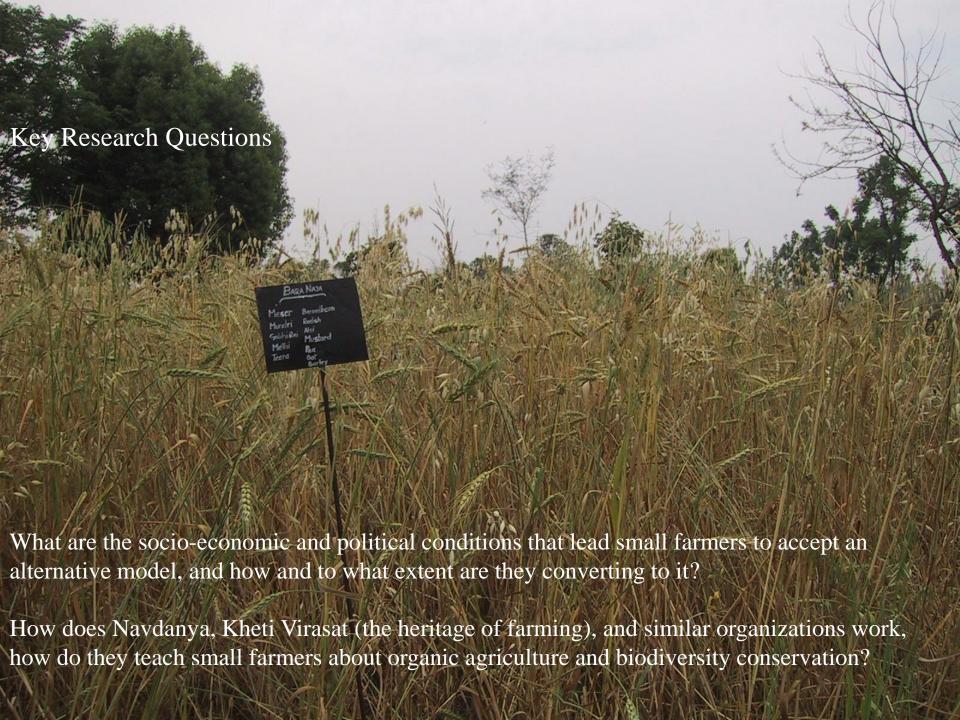
## Conversion to Organic Farming; Experiences from Punjab and Uttarakhand Anna Marie Nicolaysen Post-Doc, Agroecology, Dep. of Plant and Environmental Sciences, Norwegian University of Life Sciences Organic field in Dehradun, Uttarakhand







Methods

N = 250 (F 79, M 171)

89 in-depth interviews

16 Focus group interviews

Participant observation during 12 months fieldwork in 8 districts in 4 states:

Punjab: Bathinda and Patiala

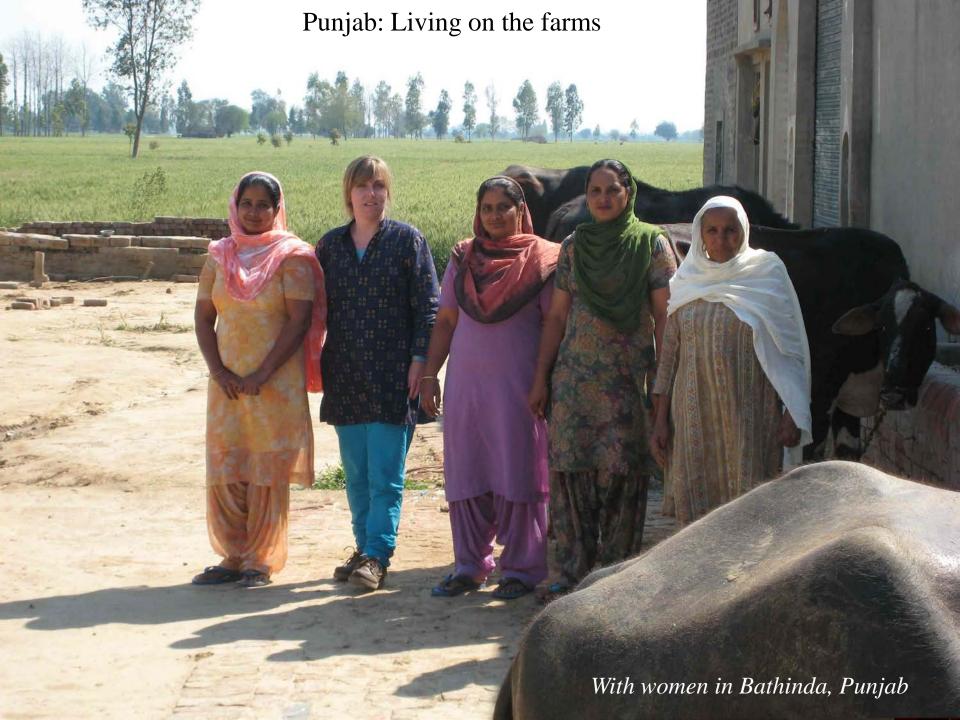
Uttarakhand: Dehradun and Uttarkashi

West Bengal: Medinipur and Darjeeling

Tamil Nadu: Nilgiris and

Nagapattinam











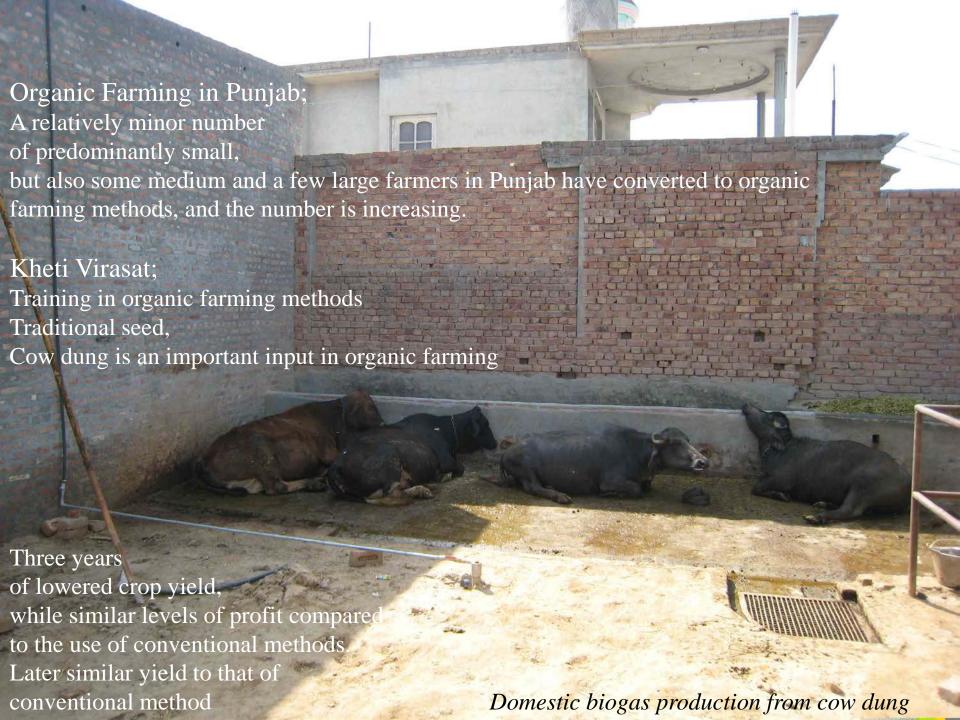


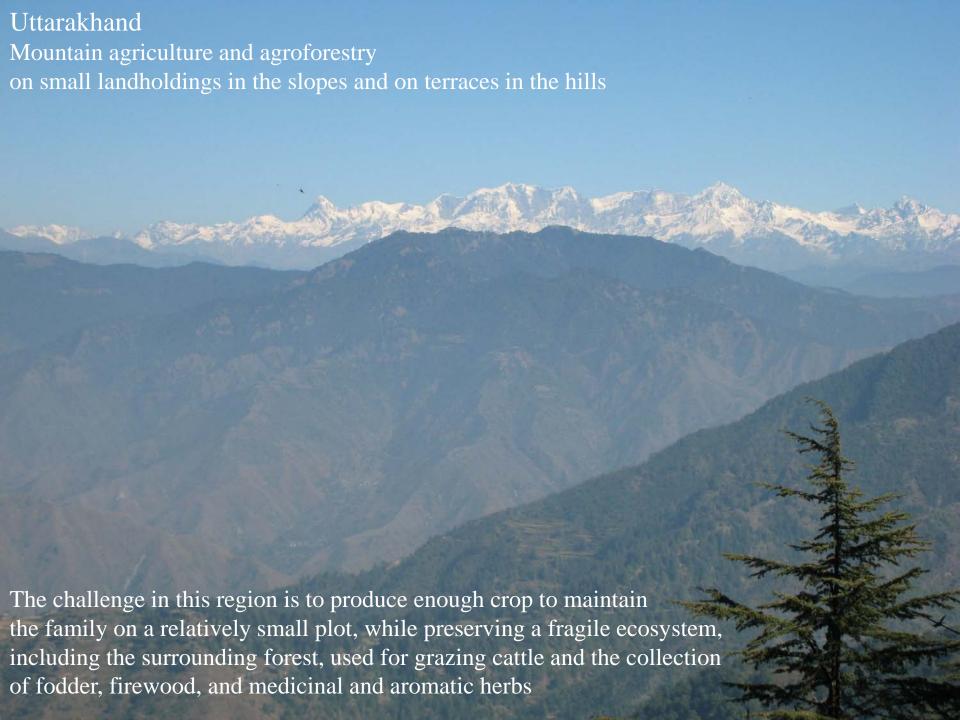
Producer's instructions for the use of pesticide at regular stages in the plant's life span

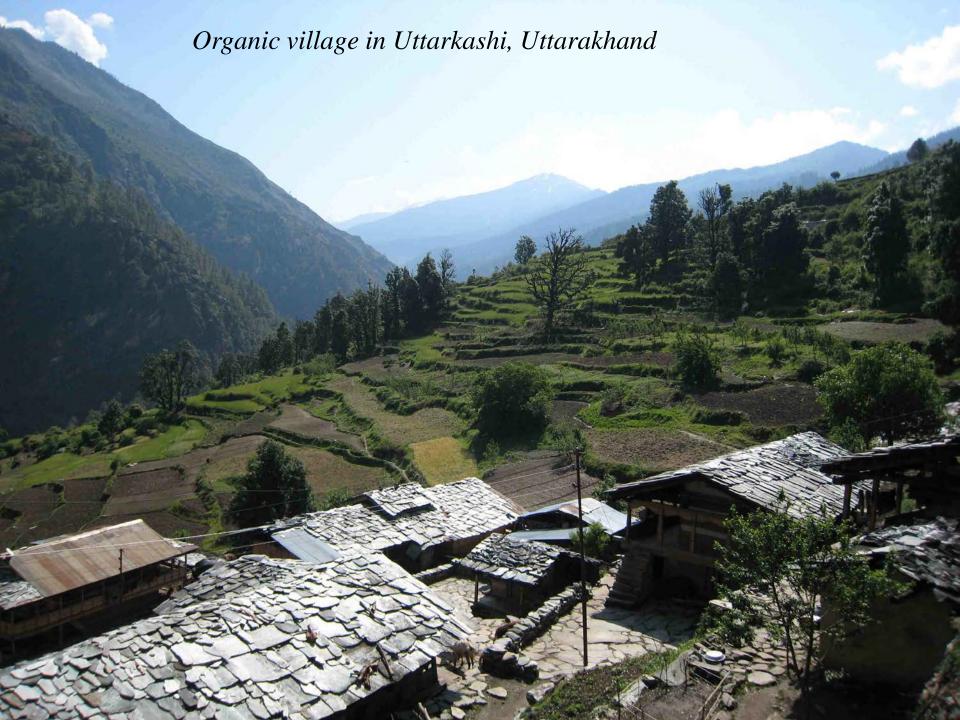


















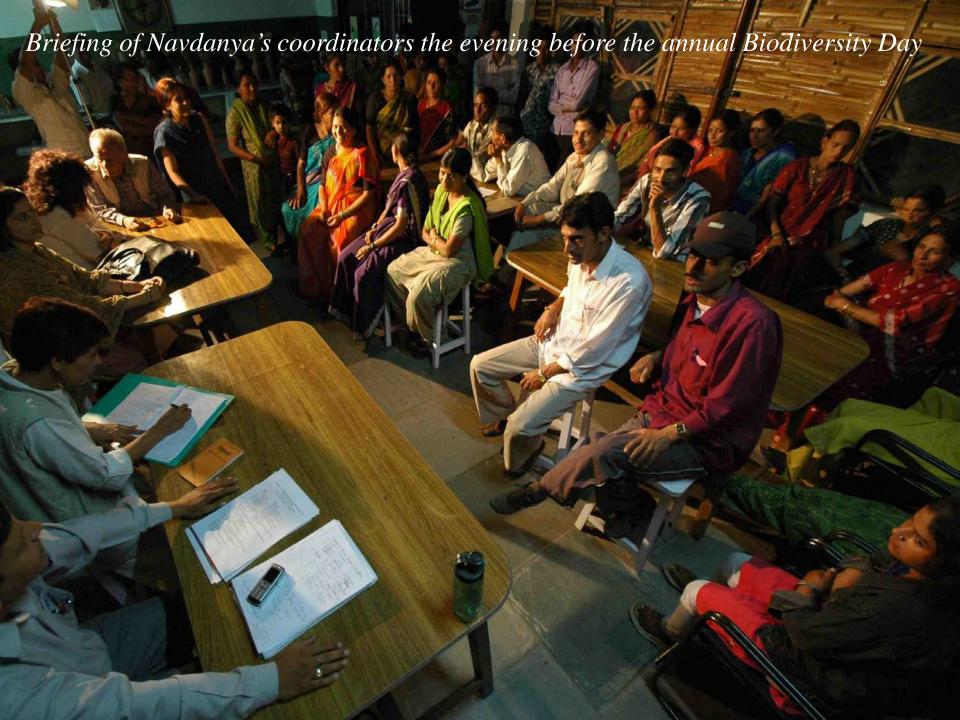


Hybrid seed, mineral fertilizers and chemical pesticides are sold and used in Uttarakhand.

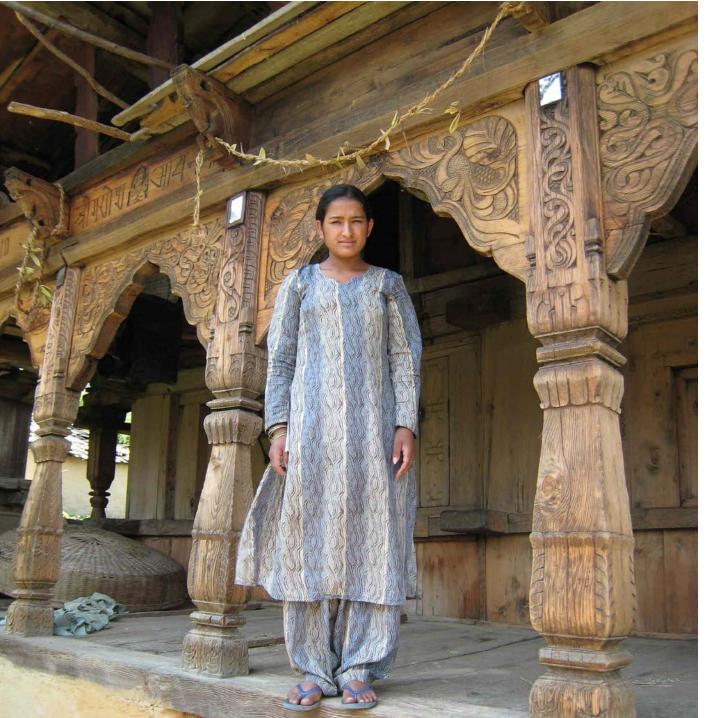
The government has taken steps to encourage and support the teaching of organic farming.

Uttarakhand has a rich biodiversity both in wild plants and agricultural crops and there are ancient as well as new seed banks in use around the state.

Local farmers cultivate a number of traditional crops that are famous for their taste and quality; these include for example, red rice, basmati rice and a variety of beans, which are sold as niche produce in Delhi and Mumbai.







Rekha, an 18-year old farmer, the youngest participant in my study.

She is standing in front of the family's seed bank.

These buildings are often heavily decorated and part of an ancient tradition.







My research indicates that if a farmer converts to organic farming from an intensive conventional system, or tries to make a living on a small holding in difficult terrain, she or he can attain a good livelihood using sustainable methods.

More importantly, the organizations that assist the farmers in this transition are crucial, because they teach the farmers new methods and give practical and moral support during a time when they feel uncertain making such a large change in how they make their living.

The combination of being economically independent, if still poor, and having control over the inputs and production methods on their farm, is really empowering.



In the political struggle for greater control over the traditional means of production, the farmers also fight a cultural struggle for traditional knowledge and indigenous beliefs.

Rejecting the notion that neoliberal globalization is the only possible framework for development,
Navdanya seeks to construct an alternative, sustainable path,
where the farmers convert to organic agriculture and maintain community seed banks to protect themselves from the regime of chemical, industrial agriculture and genetically modified seed.

Navdanya proclaims the farmers' right to biodiversity, and to not cooperate with imposed intellectual property rights (IPRs) systems that make seed saving and exchange a crime. My findings are consistent with much research on agricultural systems and sustainability in recent years throughout the world; for example the extensive scientific literature that is the basis for the International Assessment of Agricultural Knowledge, Science and Technology for Development (IAASTD 2009) reports and reports presented by the UN Human Rights Council (2010). In one sentence it could be phrased as:

