



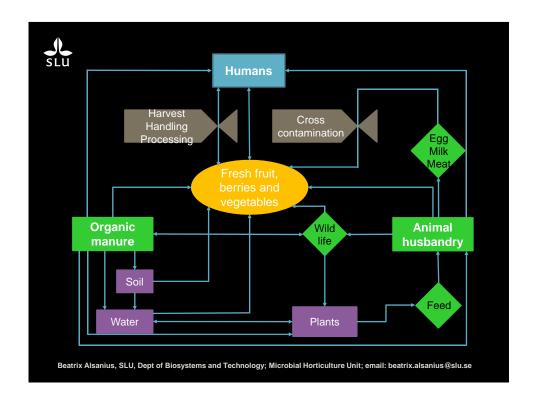
Biological hazards

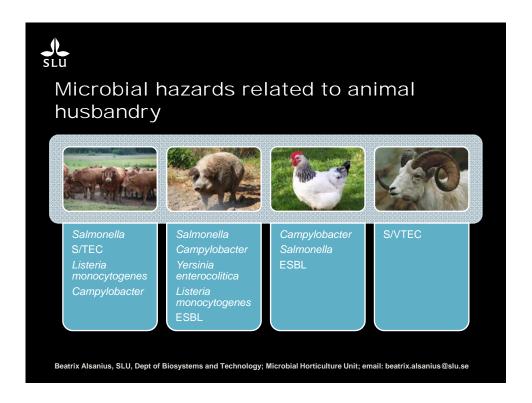
- 1995: verocytotoxigenic Citrobacter freundii associated with organically grown parsley
- 2011: Escherichia coli O104:H4 associated to fenugreek, Germany/France, number of registered cases: 3842, of these 855 with HUS, 53 deaths
- 2012: E. coli O157:H7 associated with spinach and spring seeds, USA, number of registered cases: 33







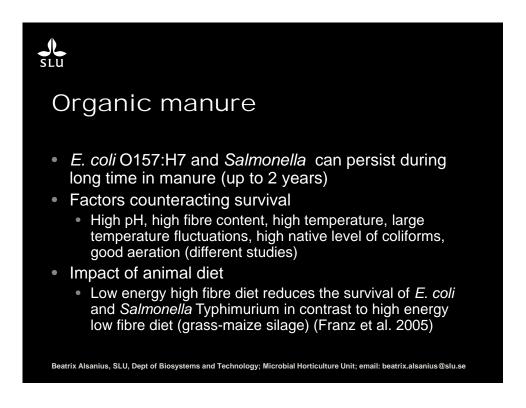


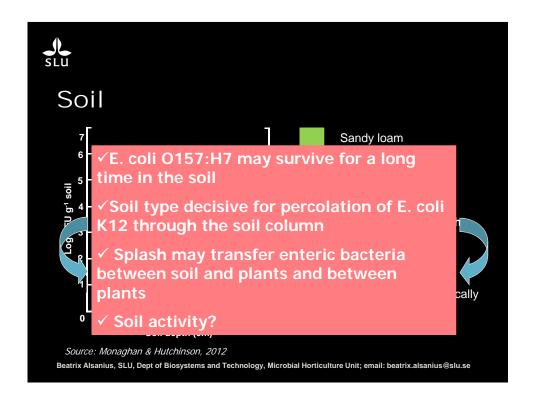






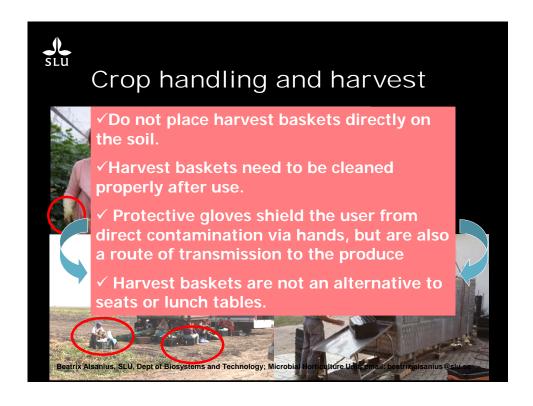


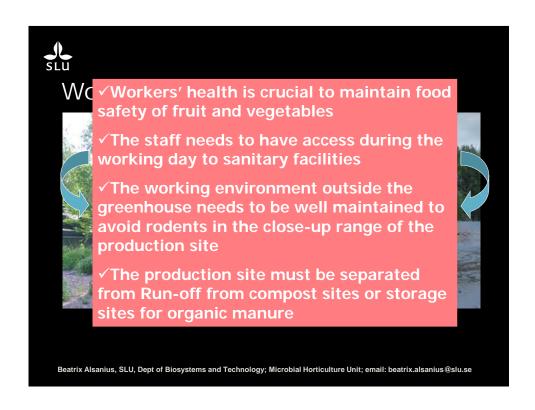














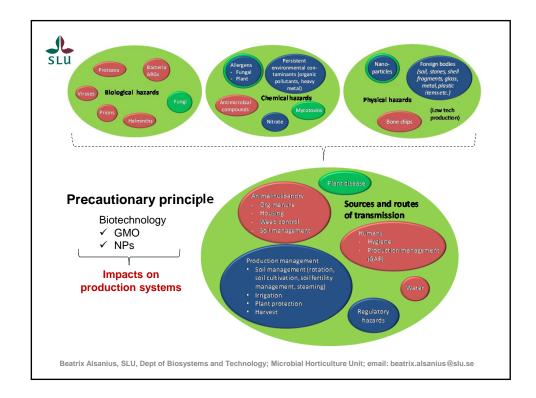
Chemical hazards

- Nitrate
- Synthetic chemical compounds from waste material
- Heavy metals
- Mycotoxins











Strategic research lines

- Hygiene awareness and strategies in primary organic greenhouse production
- Interactions between crop physiological properties and food safety in OGH, esp. survival of human pathogens
- Impact of biological activity on prevalence, survival and proliferation of human pathogens in OHG
- Risk assessment for human pathogens under diverse scenarios in OGH
- · Hazard analysis critical control points in OHG
- Reduced use of copper to control foliar diseases through climate control measures
- Occurrence of mycotoxins in organically grown greenhouse commodities





