

## Latin America

### Issues:

- 1 Germplasm locally adapted rustic varieties with tolerance and resistance to diseases
- 2 Ecological production systems with lower environmental impact
- 3 Networking among people with common problems and sharing solutions
- 2 Water use and water conservation
- 2 Efficient production systems for new genotypes
- 1 Indigenous germplasm - fruits especially
- 3 Food transportation postharvest packaging and handling involvement of the private sector
- 2 Plasticulture to improve production, reduce stress, improve nutrient use efficiency
- 2 Postharvest losses
- 3 Communicating research-based solutions to the growers - mentor systems
- 3 Finding export markets for limited resource women farmers
- 1 Biotechnology for horticultural crops
- 3 Cooperative marketing for export
- 2 Sustainable production
- 2 Horticultural production as a holistic process, seed - export, eliminate bottlenecks
- 3 Food safety - human health and export access
- 2 Plant diseases, especially phytophthora, field diagnostics
- 1 Supply of good quality seed and sustainable seed production (women farmers especially)
- 3 Source tracking for transportation and public health
- 1 Indigenous crops
- 3 Cooperative marketing for export or local markets

Discussion: changes to new crops - farmers don't eat what they grow and no longer grow their staples - how can we help the growers to enrich their diets when they are growing specialty vegetables for high-value markets Perhaps not a permanent solution - temporary for five years or ten years with a new crop, then you are in the boom and bust cycle Complementary to staple crop production Controlling production acreage?

Traditional crops have been neglected - e.g. roots and tubers in Central America, races of Avocado adapted to high T high RH environments Loss Branding, standards, including chemical Promoting products/indigenous products e.g. Mexican Amaranthus - very nutritious, grown and consumed in some areas and not in others - need to develop markets

### Three issues:

Germplasm conservation, development and utilization  
Sustainable production and postharvest  
Marketing, cooperatives

### Issue 1

Germplasm conservation, development and utilization  
Challenges/opportunities  
Conservation strategies,  
Germplasm evaluation,  
Sustainable funding for germplasm conservation

### Strategies