

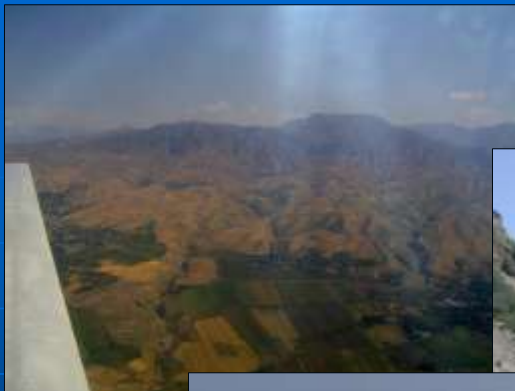
Food Preservation/ Food Safety in a Developing Country - Afghanistan

Julie A. Albrecht, Ph.D.
University of Nebraska-
Lincoln

OR

**What I have learned
from 10
assignments in
Tajikistan!**

Tajikistan



Issues Associated with Food Safety

- Regulatory Issues
- Politics
- Economic Pressures
- Educational Systems
- Cultural Issues
- Food Production and Technical Issues

Regulatory Issues

- What agency is responsible for food safety???
- Testing vs Process Control
- Lack of expertise
- Enforcement/comply
- Government-Industry relationships
- Regulatory personnel lack data
- Corruption

Politics

- Laws and regulations – passed on a “whim”
- Lack involvement of industry
- Lack mechanism for implementation



Economic Pressures

- Old system
- Control

■ POVERTY

Educational Systems

- Rote Memory (learn and regurgitate facts)
 - Lack critical thinking, problem solving skills, application of principles
- "Teacher is always right"
- Lack "Real World" experience



School Lunch Kitchen



Processing Plants in Armenia



Culture

- Who are you working with?
- What is their background?
- What is their traditional practices?





Meat Filled Products

- United States
 - Runza
 - Cornish Pasties
 - Pot Pies (Beef, Chicken)
- Ukraine/Russian-
 - Pilmeni,
 - Varenyky
- Armenia
 - Lavash
- Poland
 - Perogies
- Tajikistan
 - Sambusa



Cultural Issues

- Hygiene and Health
 - Basics
 - No idea - link between hygiene and health
- "Hot Food – Cold Food"
- Compartmentalization
- Trust

Hand Washing Stations



WATER



Cooling



Cooking









MARKET



MARKET





Bakery



Restaurant



**Indoor Market
in Kiev**



Food Production and Technical Issues

- **Management**
 - “boss” versus delegation
 - Working together – (associations)
 - Worker incapable of learning
 - Sensitivity

Food Production and Technical Issues

- Information
 - Obtaining and using information
 - No extension from University
 - Lack of trust

Food Production and Technical Issues

- Technical
 - Lack infrastructure
 - “Magic Bullet”
 - Certificate





Skills Needed

- Subject matter knowledge
- Acceptance
- Assess situation intuitively
- Flexibility
- Patience
- Philosophy of development

How It Affects Us

- Food Service Workers come from other countries
 - Training needs
- Foods are imported from other countries
- Exporting US foods to other countries

