

**Current Practices and Challenges** 

With Focus on:

- 1) Agricultural
- 2) Municipal
- 3) Oil & Gas







### Objectives of the Study

- Learn about
  - Current practice
  - Technology use
  - Existing problems
  - Future challenges

Focusing on:



Water Resource Management

## Approach

- Identified three major consumers/stakeholders of water:
  - 1. Agricultural and farming
  - 2. Municipal and residential
  - 3. Oil & Gas industry







### Approach

- Organized, recruited, and conducted three focus groups:
  - 1. Agricultural and farming
  - 2. Municipal and residential
  - 3. Oil & Gas industry
- Each focus group included:
  - A set of survey questions
  - Discussions on selected problems
  - Recording and taking notes







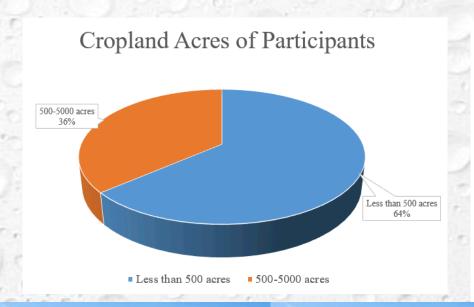
## 1) Agricultural and Farming

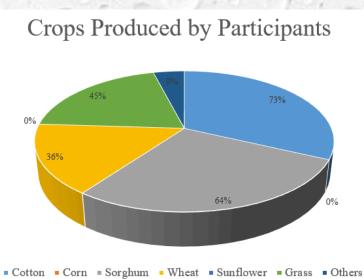


- Recruited 8 participants from Lubbock and surrounding counties
- The survey & discussion parts consisted of 15 questions

### Agricultural focus group discussion on water resource Manager

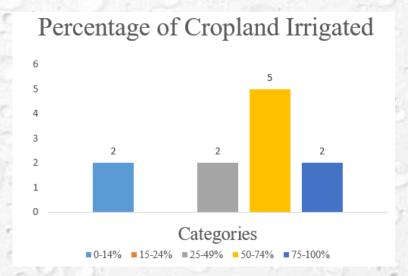


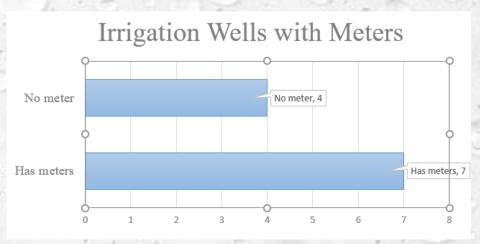




### Agricultural focus group discussion on water resource Manage



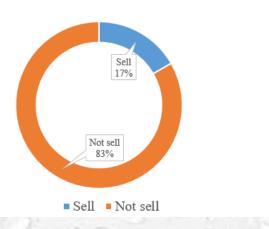




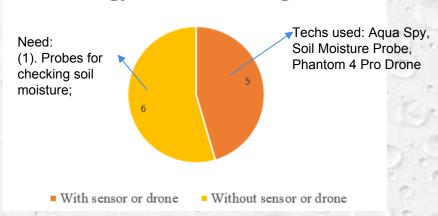
#### Agricultural focus group discussion on water resource Manage

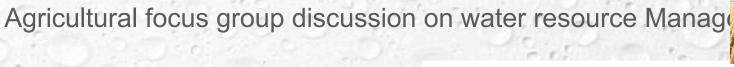


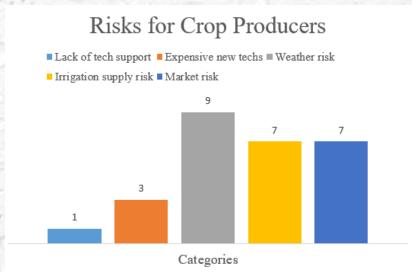
#### Sell Part of the Groundwater

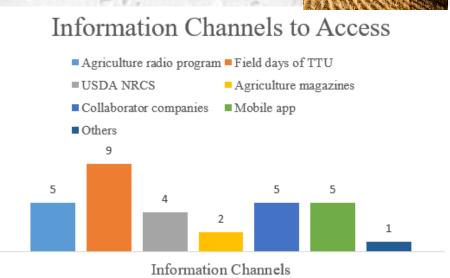


#### Technology for Precision Agriculture









## 2) Municipal & Residential



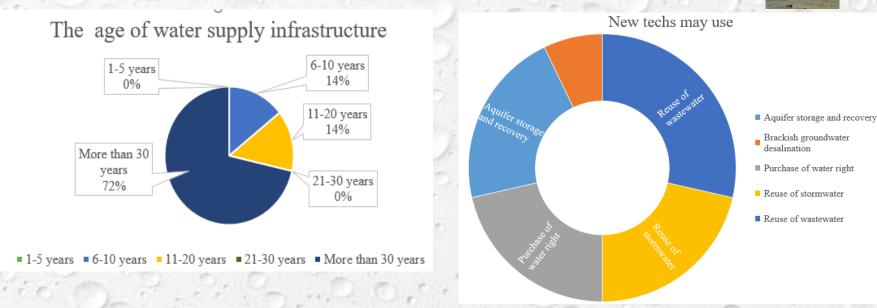
- Recruited 7 participants from Lubbock and surrounding counties
- The survey and discussion parts consisted of 28 questions:





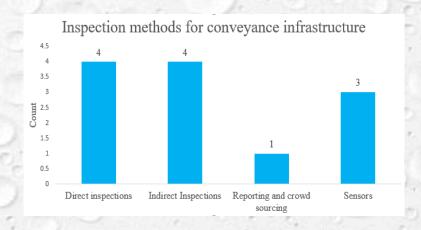
Municipal focus group discussion on water resource Management





Municipal focus group discussion on water resource Management

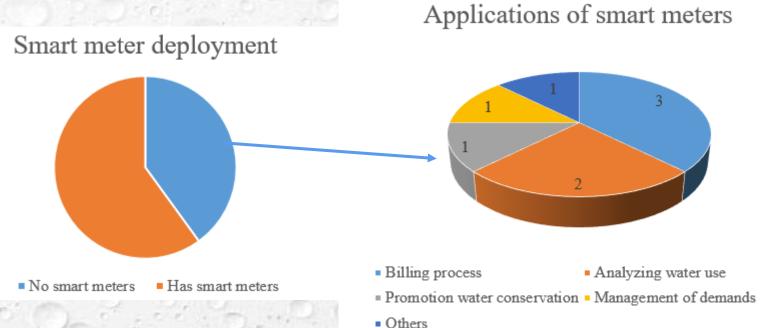






Municipal focus group discussion on water resource Management





# 3) Oil & Gas

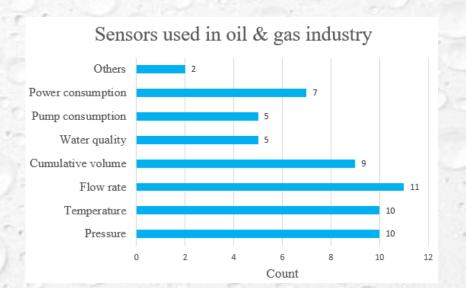


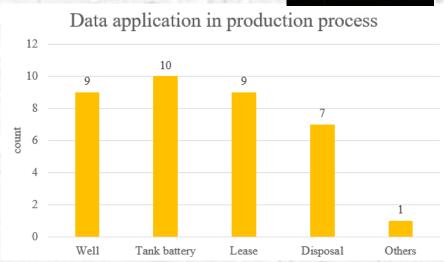
- Recruited 11 participants from Midland and surrounding counties
- The survey part included 24 questions:



• Oil & gas focus group discussion on water resource Management

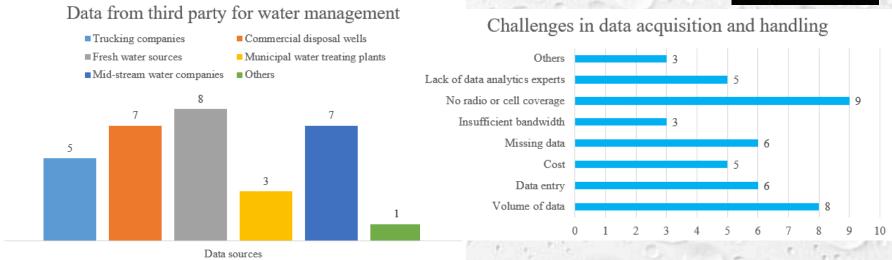






• Oil & gas focus group discussion on water resource Management







• Oil & gas focus group discussion on water resource Management



