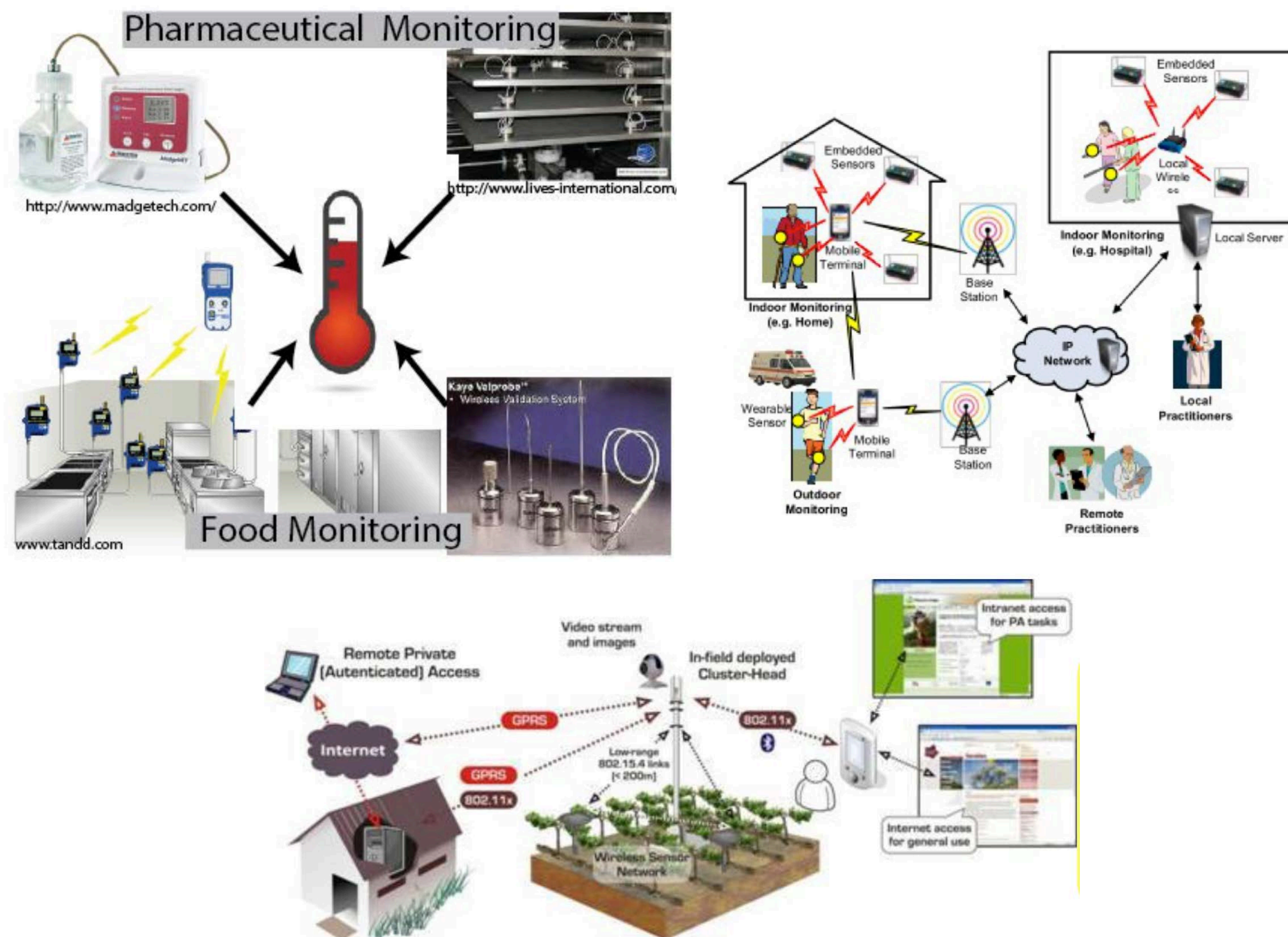
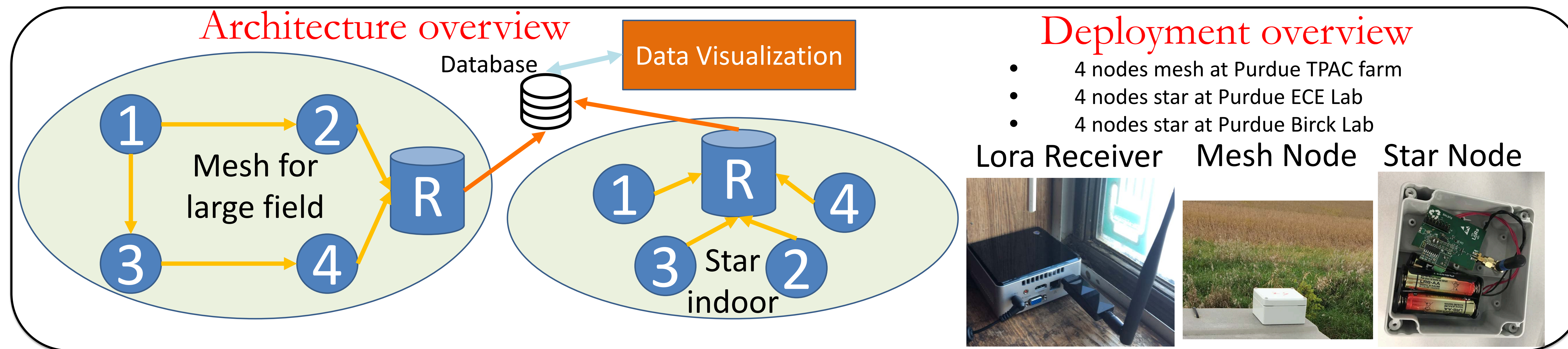


I. Motivation

- Low-power networked sensors for urban and industrial environment
- Low-cost implementation
- Numerous factors to monitor:
 - Temperature
 - Humidity
 - Nitrate level
 - etc.



IV. Solution - A mix of Mesh and Star Lora Network



V. Data Visualization

- For each deployed node
 - Data Measurements are shown
 - CSV file for data history
 - Meta Data and history of deployment
- Sensors measurements
 - Temperature
 - Humidity
 - Nitrate



II. Design Goal

- Reliable network of IoT sensors
 - Indoor environment and farm environment
 - Energy efficient data collection protocol
 - Reliability insurance at low communication overhead
- User-friendly data visualization system for easy training and education purpose
- Meaningful and referable data analytics results

