



Identification and Traceability in the Food Chain

Michael Coe DVM, PhD

Global Animal Management, Inc.

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The logo for ID•INFO EXPO 2004 features the text "ID•INFO" in a bold, black, sans-serif font, with a purple dot between "ID" and "INFO". Below this, the text "EXPO 2004" is written in a white, sans-serif font inside a purple rounded rectangle.

Food Animal Logistics Chain

Gov't Audits (all species)

*Operating efficiencies
(Cattle)*

Consulting vets (all species)

Export (cattle, swine)



National ID (ALL Species)

Records of animal, premise, owner
to National Repository

Records of born, raised and harvested
on packaged meats & farm of origin

Technology Dimensions Components

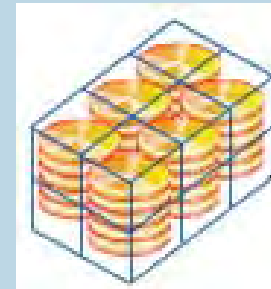
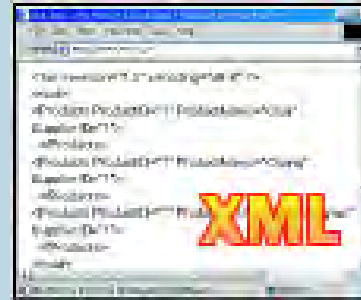
Data Collection and Transfer

Data Transformation Services

Data Storage

Data Access

Data Analysis



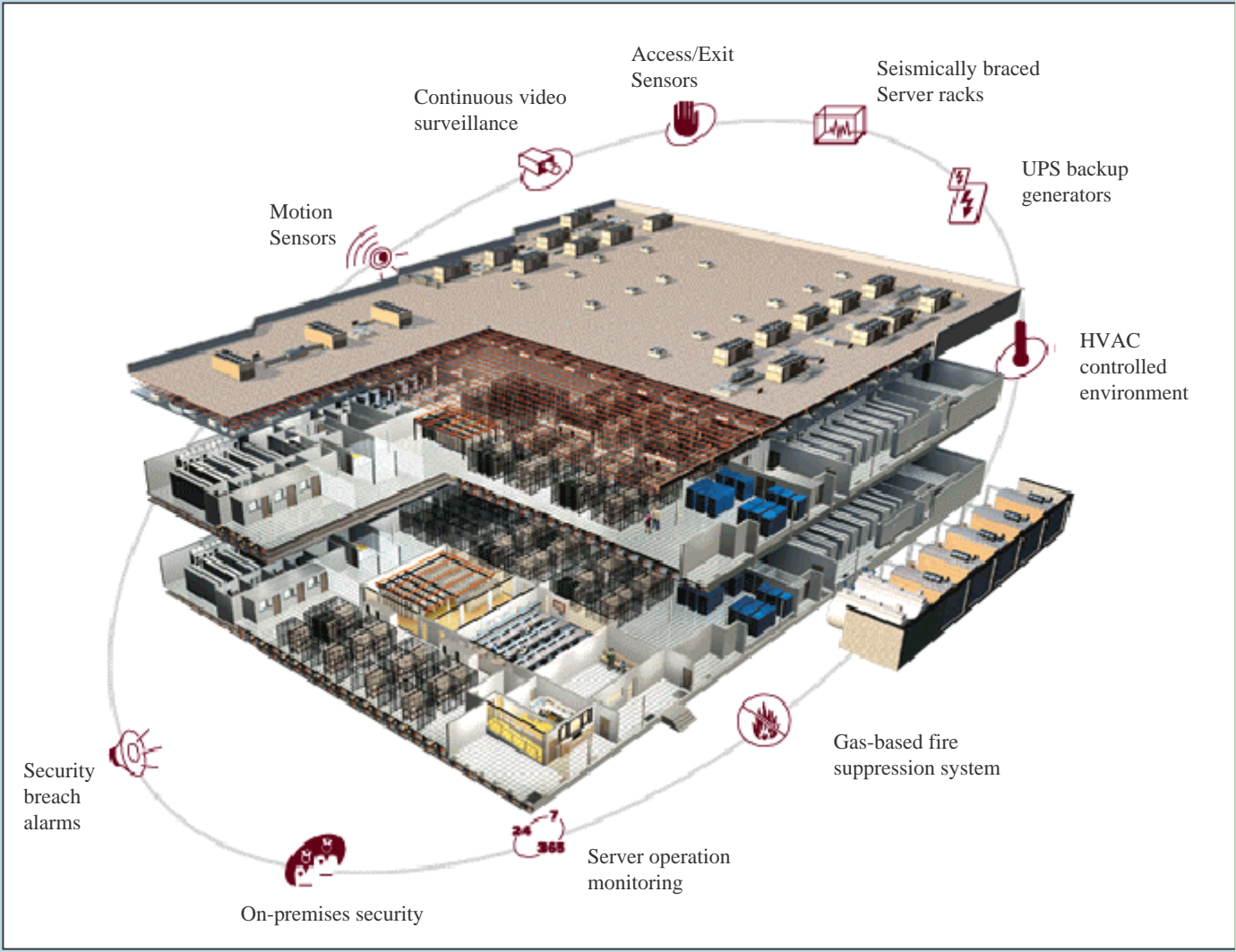
Technology Dimensions

System Highlights

- 3 tiered architecture (physically separated web, application, and data servers)
- Large scale platform: scalable (e.g. UNIX)
- Tier 1 host site (reliable environment for mission critical systems)

Technology Dimensions

Portal Infrastructure:
•Tier 1 host site



Identification Tools

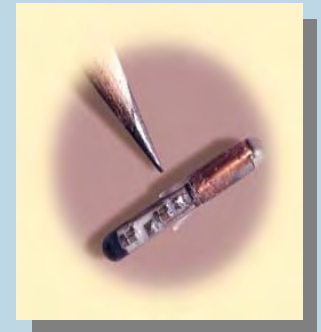
🐾 Brands, Ear notches

🐾 Tags

- Plastic
- Electronic

🐾 Microchips

🐾 Scanning Technology



Industries' Development

- ☛ Livestock Industry
- ☛ Growing Worldwide Adoption
- ☛ Country mandates
- ☛ Packing Plant Installations

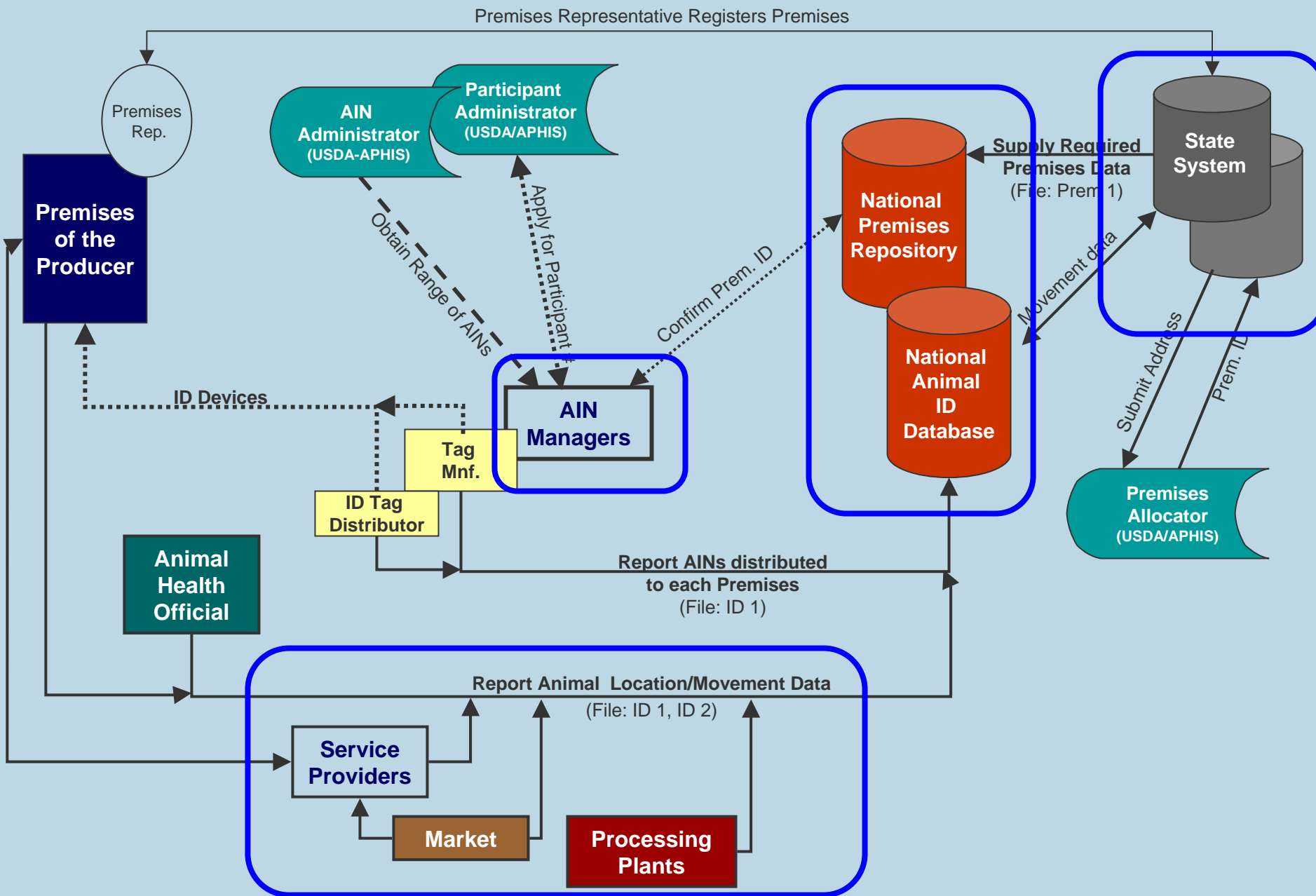


Identification Tools

🐾 Demands for Future

- Unique ID number
- Uniform technology in livestock
- Easily manage volumes of livestock
- Tamper evident
- Line speed utilization
- Visual coordination with RFID





Application

🐄 Identification at an early age (AID, Premise)

🐄 Data collection throughout lifecycle



The screenshot shows the 'GAM MetrixPro DE Main Menu' software interface. The main window is titled 'Viewing TEMPLATE' and displays a 'Running Template: USU Birth Registration Regimens: Birth'. The interface includes a menu bar with options like 'Regimens', 'Templates', 'Data Grid', 'Tools', and 'Exit Application'. Below the menu bar, there are several toolbars and a main data entry area. The data entry area is divided into 'Page 1' and 'Page 2'. The 'Data Entry Area' contains the following fields:

Visual ID	2468	✓
EID	840120087654321	✓
Birth Date	11/07/2003	☺
Sex	Heifer	✓
Breed	Angus	✓
Dam	3566W	✓
Location	USU South Farm	✓
Birth Weigh	89	✓

Additional information displayed on the right side of the form includes:

- Highlight Area: **RELEASE**
- Visual ID: **2468**
- Birth Weigh: **89**
- HD COUNT: **0**

A 'Calendar' window is open, showing the date 'November 2003' and highlighting the current date 'Today: 11/07/2003'. The status bar at the bottom of the window displays 'Viewing TEMPLATE (RUN MODE) information for USU Birth Registration', 'Administrator', '11/07/2003', and '11:56 AM'. The Windows taskbar at the bottom shows the Start button and several open applications, including 'GAM...' and 'Run...'.

Application

Processing barn installations with handheld, laptop, or touch screen



The screenshot displays the GAM MetrixPro DE Main Menu software interface. The window title is "GAM MetrixPro DE Main Menu". The interface includes a menu bar with options: Regimens, Templates, Data Grid, Tools, and Exit Application. Below the menu bar is a toolbar with icons for Edit Mode, Run Mode, Run, New, Edit, and Delete. The main window is titled "Viewing TEMPLATE" and contains a sub-window "Running Template: Process in Regimens: High Risk Steer Nuflor". The sub-window has a toolbar with icons for Data Grid, Keyboard, Clear Record, Add Record, Reset Weight, Edit Mode, and Finish. The sub-window is divided into two main sections: "Data Entry Area" and "Highlight Area".

Data Entry Area:

Field	Value	Status
EID	840120012345678	✓
Visual	7623	✓
Weight	593	✓
Lot #	401	✓
Sex	Steer	✓
Ranch	Ranch 2	✓
breed	Angus	✓
Color	Black	✓

Highlight Area:

RELEASE

Visual: 7623

Weight: 593

Color: Black

HD COUNT: 0

Weight reading stopped

The bottom status bar shows "Viewing TEMPLATE (RUN MODE) information for Process in", "Administrator", "11/06/2003", "02:52 PM", and a taskbar with icons for Start, Inboxes, Microsoft Word, Microsoft PowerPoint, GAM MetrixPro, and Running T...



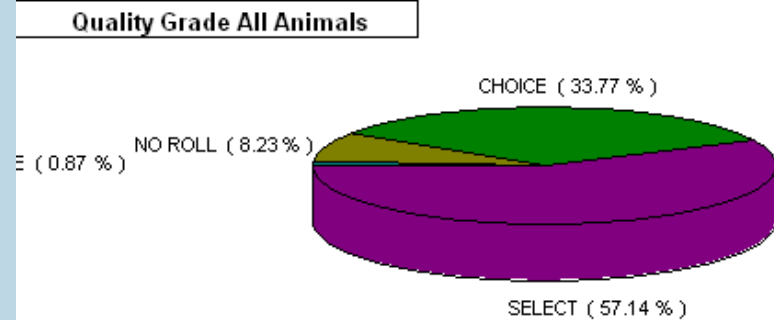
Solutions for Industry Initiatives

- ❧ EID technology replacing or supporting current visual ID
- ❧ Electronic Data Management completely replacing the paper generated systems
- ❧ Real-time Reports generated on the farm as often as mgt. demands (customized)
- ❧ Local data availability and/or uploads to off-site data storage
- ❧ Disaster data protection and consolidated data reports
- ❧ Online program support and updates
- ❧ Stratified firewall access

Final Quality

Number of Pulls by Date for Lot: 208

Percentage Based on Harvest Head Count



GAM System Integration Process

- ☞ Develop Requirements Document
 - Program Identification
 - Process and Work Flow (needs analysis)
 - Data Analysis
- ☞ Partner Identification
- ☞ Project Plan Development
- ☞ Staged Implementation
 - Training
 - Service and Support

Summary

- ☞ Technology Dimensions
- ☞ Industry standards set by collaboration of private industry and gov't
 - National ID
- ☞ Data coordination across all meat industry segments
 - Producer, Packer, Retailer
- ☞ Multiple Species Application
- ☞ Value Added Data Processing