AIR PROGRAM INFORMATION MANAGEMENT SYSTEM

Presented by

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Mission Systems

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•Air Force Vision for APIMS/CCS

- Create a World-Class Integrated Environmental, Safety, and Occupational Health "System of Systems"

  - Develop federal, state, and local regulatory reports
  - Identify health trends
  - Provide environmental management tools
  - Provide pollution prevention management tools
  - Facilitate operational risk management

- Reduce operational costs by making *better decisions*

- # The What of Command Core

  - ## What is Command Core (CCS)?

    - An integrated relational database designed to manage environmenta
      safety, and occupational health datasets

    - Rapid and versatile access to data
    - Reports required by regulatory agencies are easily generated
    - Allows Air Force to monitor and control hazardous material/conditio
      and monitor their effects on military and civilian personnel

  - ## What is the history of CCS?

    - CCS was originally developed for Hill AFB and then matured
    - Use within AFMC
    - AFMC deployment began in August of 1996
    - CCS is now completely deployed throughout the Air Force

- # The What of APIMS

  - ## APIMS is an air quality management tool that was designed to be flexible for use at any installation

    - Track and prepare Air Emission Inventory
    - Regulatory Compliance
    - Permit, Title V, NESHAP
    - Automated Logs
    - Checklists

  - ## Sharing the Data among Different Functional Areas

    - More Efficient
    - Reduces Costs

Overview of CCS

- CCS Modules

    - Air Program Information Management System (APIMS)
    - Employee (Demographics and Organizations)
    - Material Management (TRI and TIER)
    - Shared Functions
    - Industrial Hygiene
    - Occupational Medicine/Public Health
    - Safety
    - Waste Management
    - Pollution Prevention
    - Environmental Sampling

- Structured Reports have been created for most Modules

- # Environmental

  - ## Air Quality Management

    - Source Categorization
    - Emission Calculations
    - Permit Management
    - Air Source Tracking
    - Process Definition

  - ## Waste Management

    - Waste Streams
    - Container Tracking
    - IAP Management
    - Sampling
    - Disposal

  - ## Waste Water
  - ## Pollution Prevention

- # Industrial Hygiene

  - ## Exposure Risk Management

    - Avoidance
    - Controls
    - Special Surveillance

- # Occupational Medicine/Public Health

  - Health Risk Management
  - Moving Toward Prevention vs. Prescription
  - Identify Trends when Prevention Fails
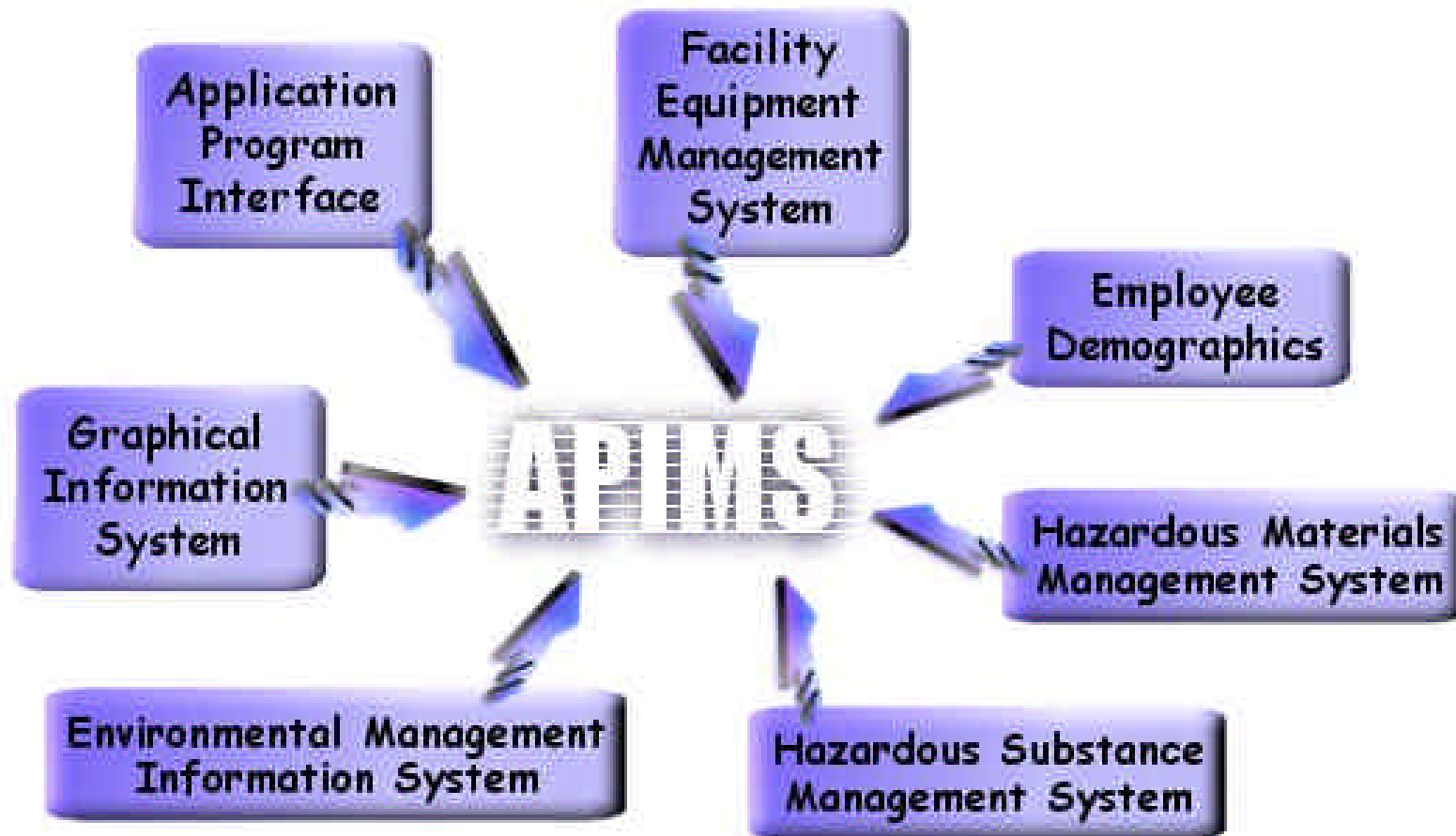
- # Safety

  - ## Physical Hazard Risk Management

    - Injury
    - Illness
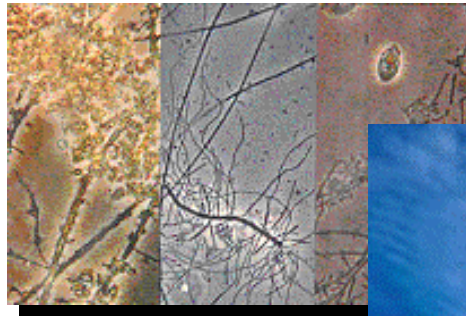
• CCS External Information Sources

- APIMS External Information Sources
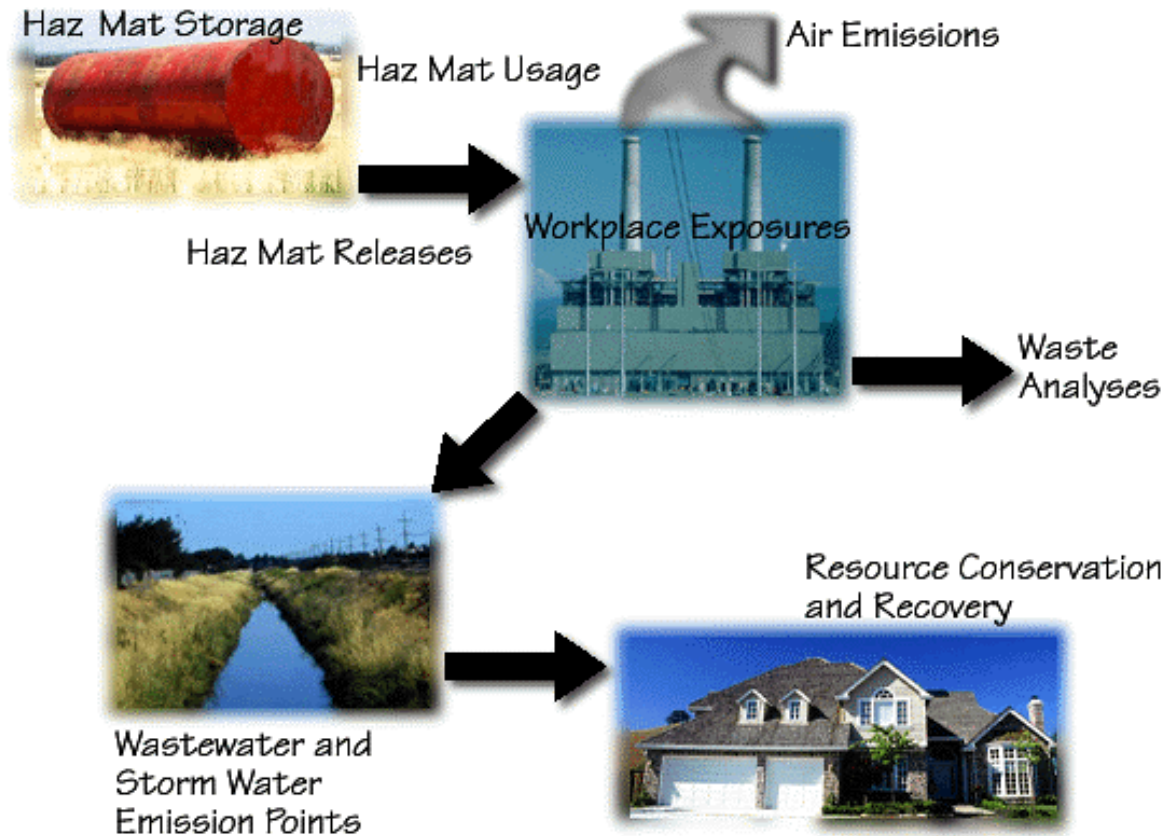
- Command Core System Functionality

- ESOH Community

    - Base Business Practices

        - Establish a Data Administration Working Group (DAWG) amongst the Functional Areas at each given location.

            - Identify and Agree on Unique Activities/Processes
            - Identify and Agree on Equipment
            - Identify Locations
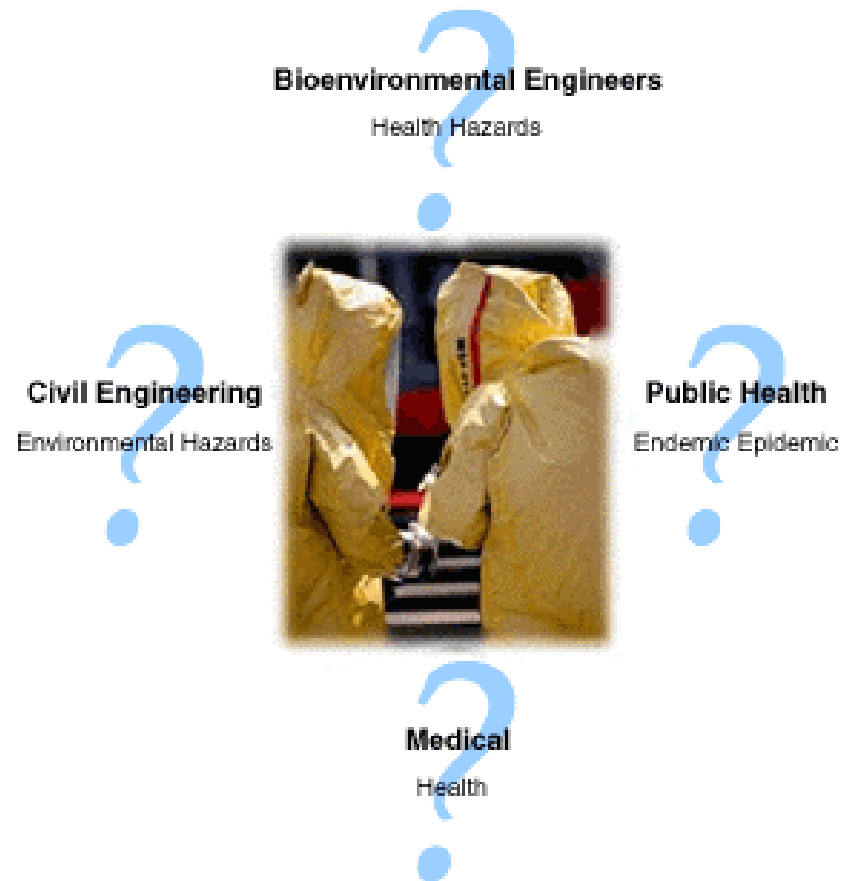   - Identify Chemical and Material Product Information
            - Share Information in CCS
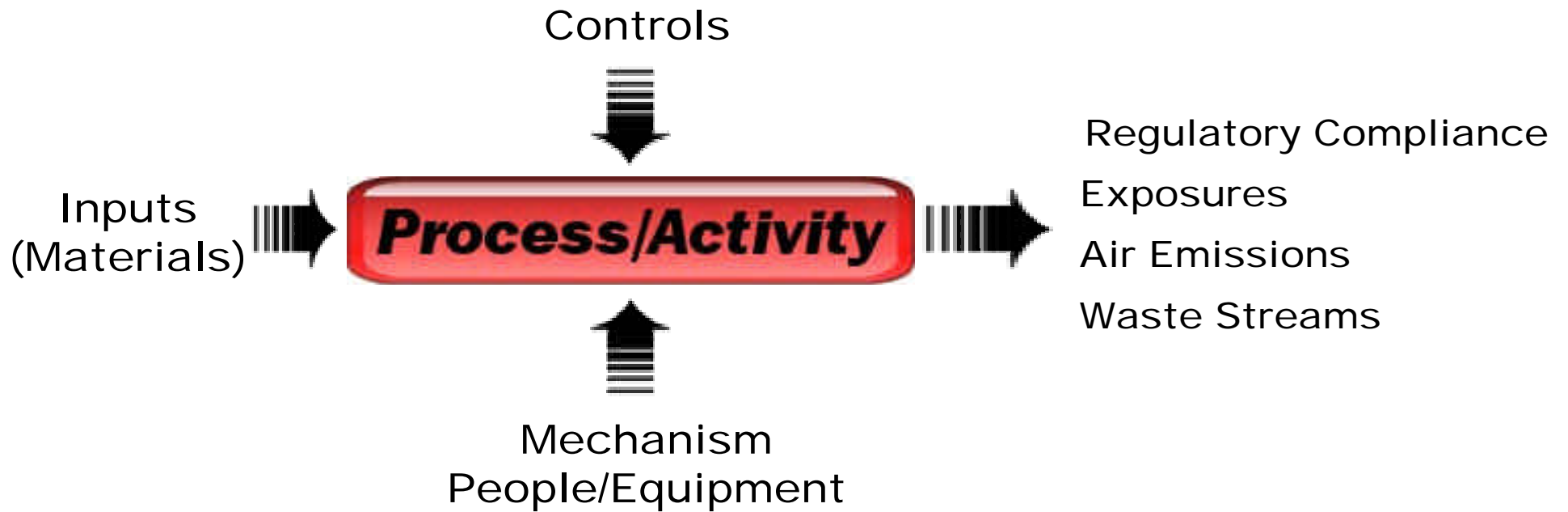
- # Process Evaluation Perspective
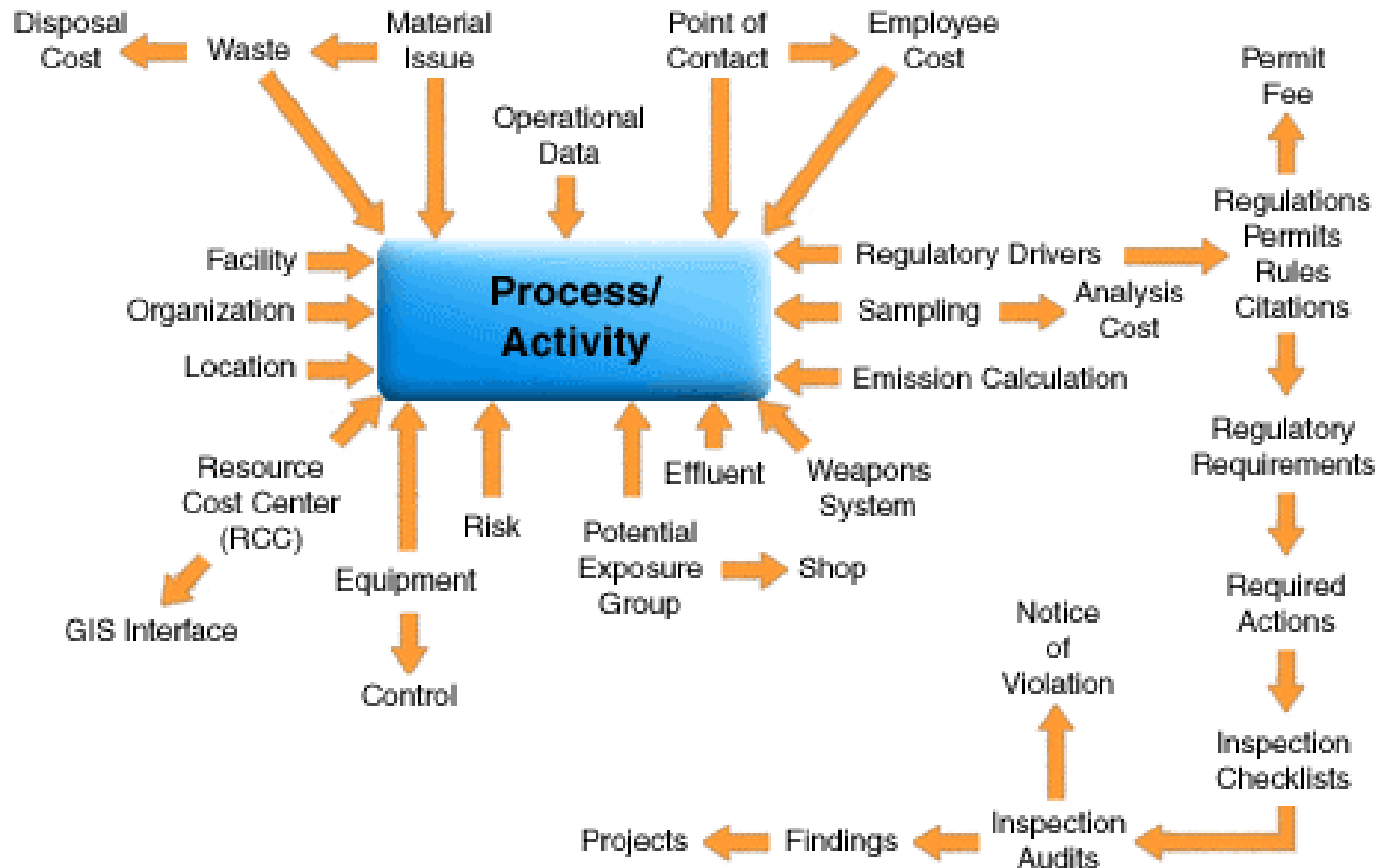
  - ## Cradle to Grave Tracking

- Same Process – Different Perspective

- ## Process Definition

Controls

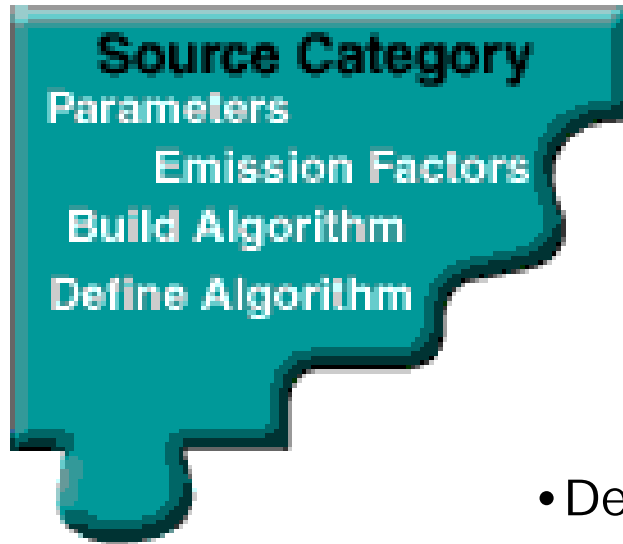Inputs
(Materials)

Process/Activity

Regulatory Compliance

Exposures

Air Emissions

Waste Streams

Mechanism
People/Equipment

• Unique Process/Activity

- Building Blocks of APIMS Data

• Source Category

Source Category
Parameters
    Emission Factors
Build Algorithm
Define Algorithm

- Define Parameter to the Source Category
- Define Emission Factors to the Parameter
- Define Algorithms
- Build Algorithms

- Air Emission Sources

Emission Units

Equipment

Stacks

Tanks

Controls

- Define Equipment
- Define Controls
- Define Control Efficiencies
- Define Stacks
- Define Tanks
- Define Generators/Boilers

- Regulatory Compliance

- Define Regulatory Data
- Define Applicable Requirements
- Define Required Actions
- Define Checklist Questions
- Inspections
- Compliance Evaluations
- Notice of Violations

- Unique Process/Activity

Unique Process

- Determine Process Code
- Assign Process Name

- Chemicals & Material Data

Chemical Data
Material Product
Material Issues

- Update Chemical Data as required
- Update Material Product Data as required
- HMMS Problems

- Linking it all Together

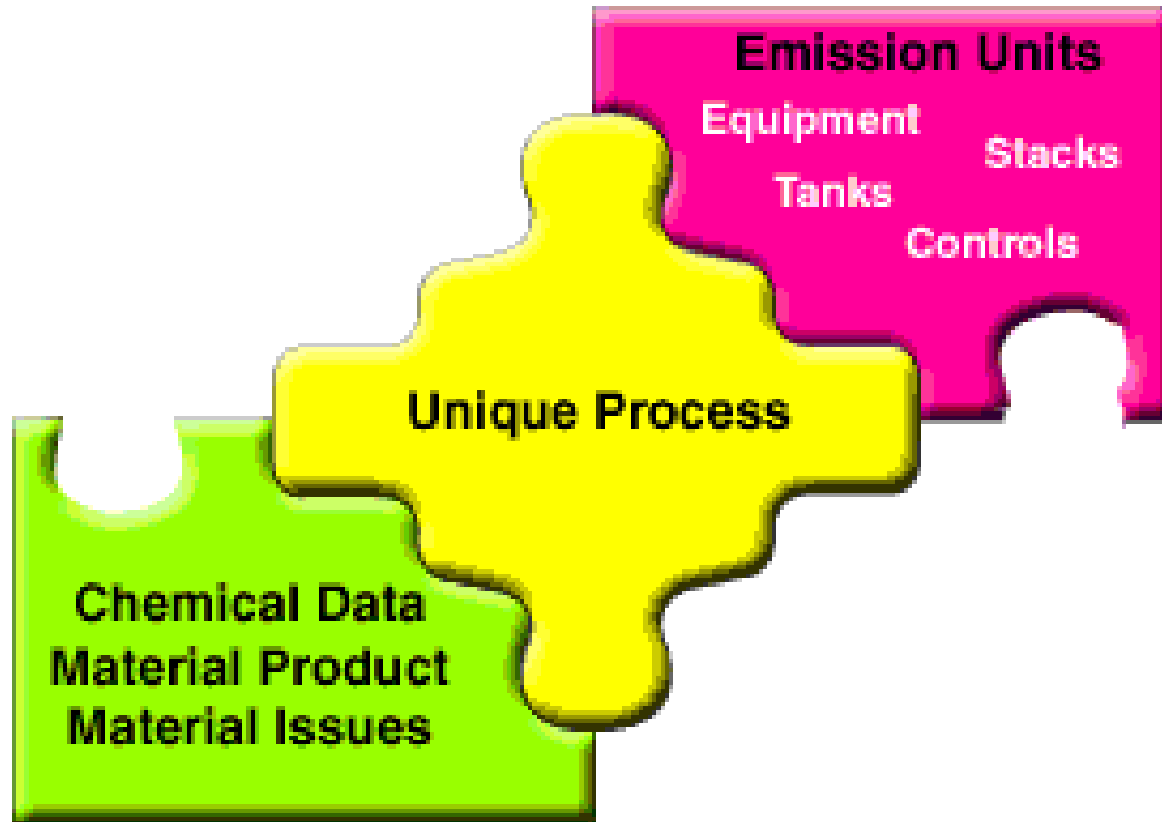- Remember the process owns everything

- Linking it all Together
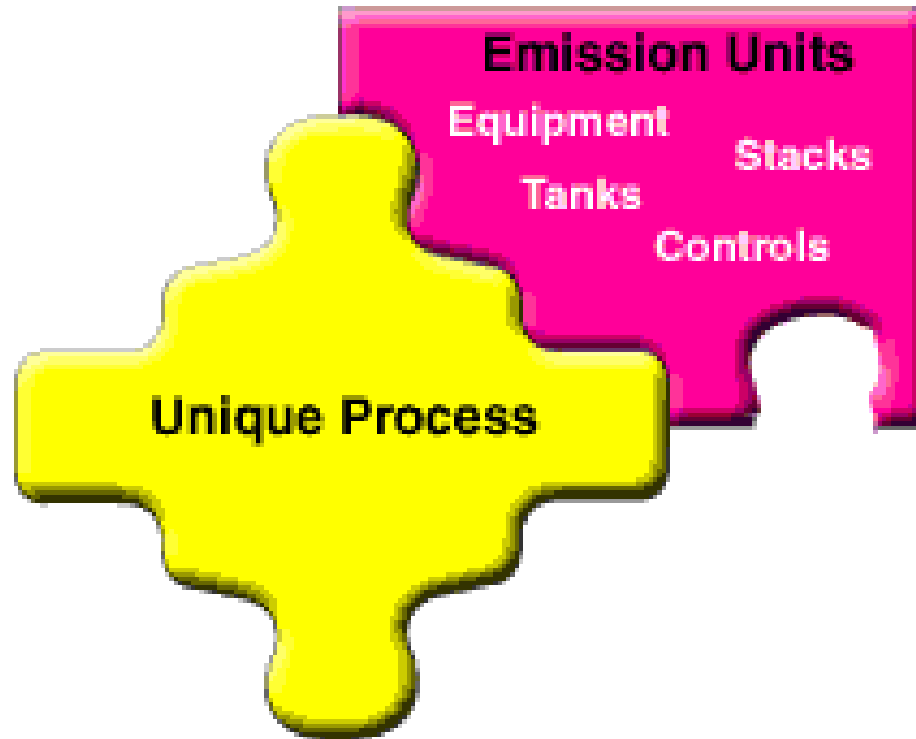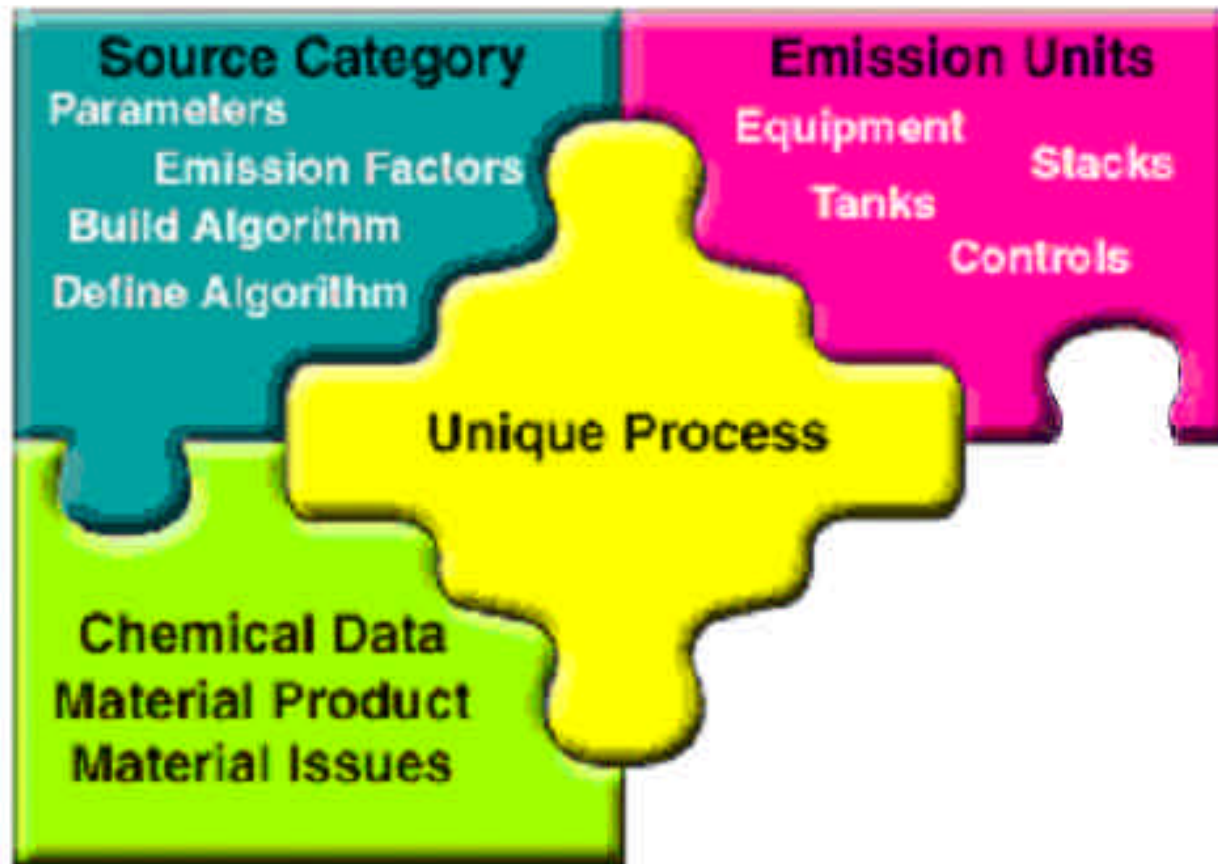

- The equipment is linked to the process

- Linking it all Together

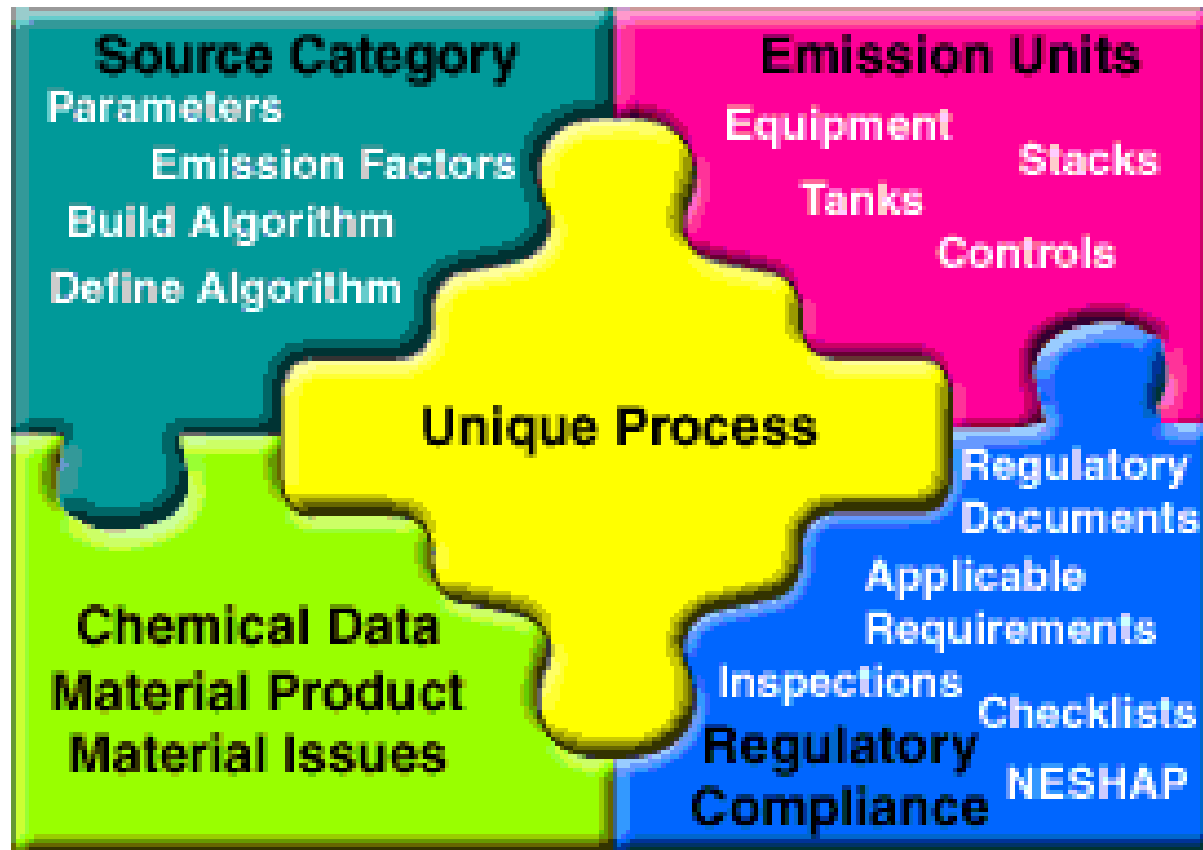- Issue materials to the process

- Linking it all Together

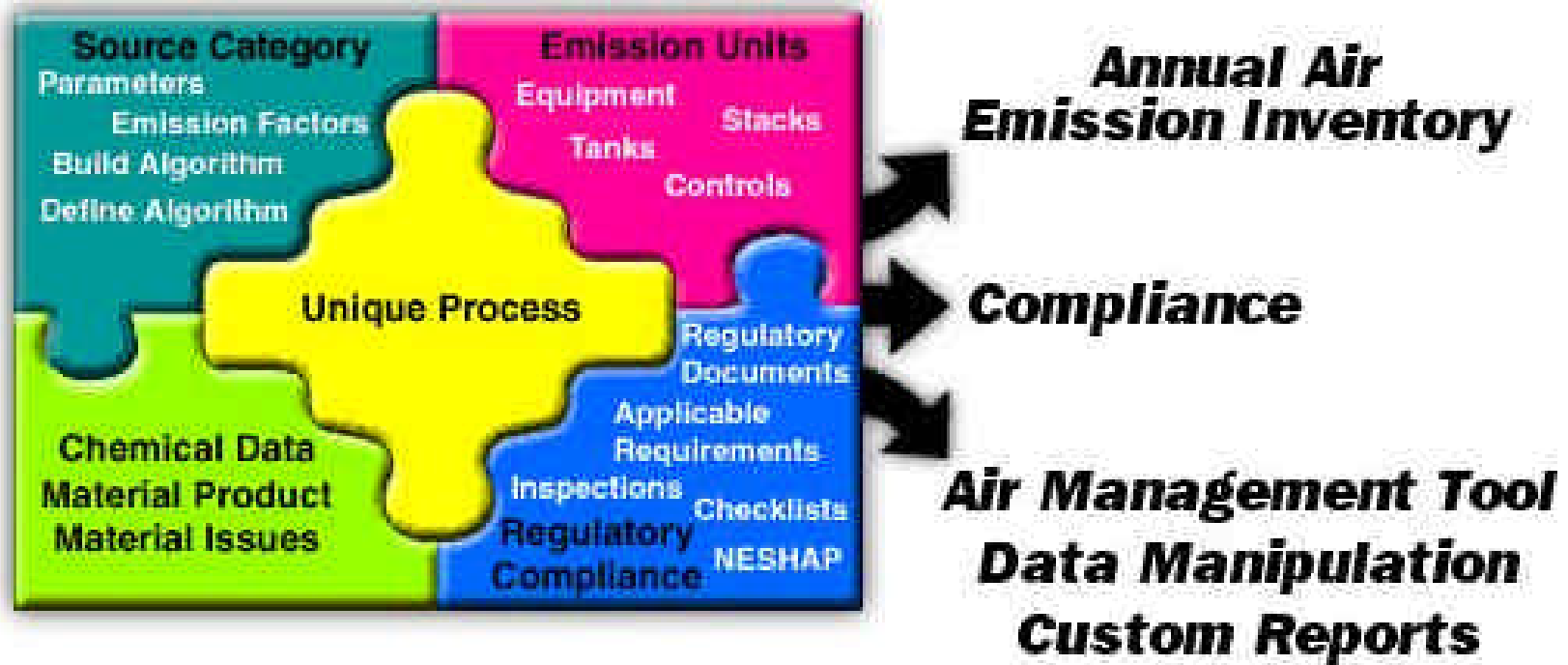- Link source category, emission factors, and algorithm to the pro[c]
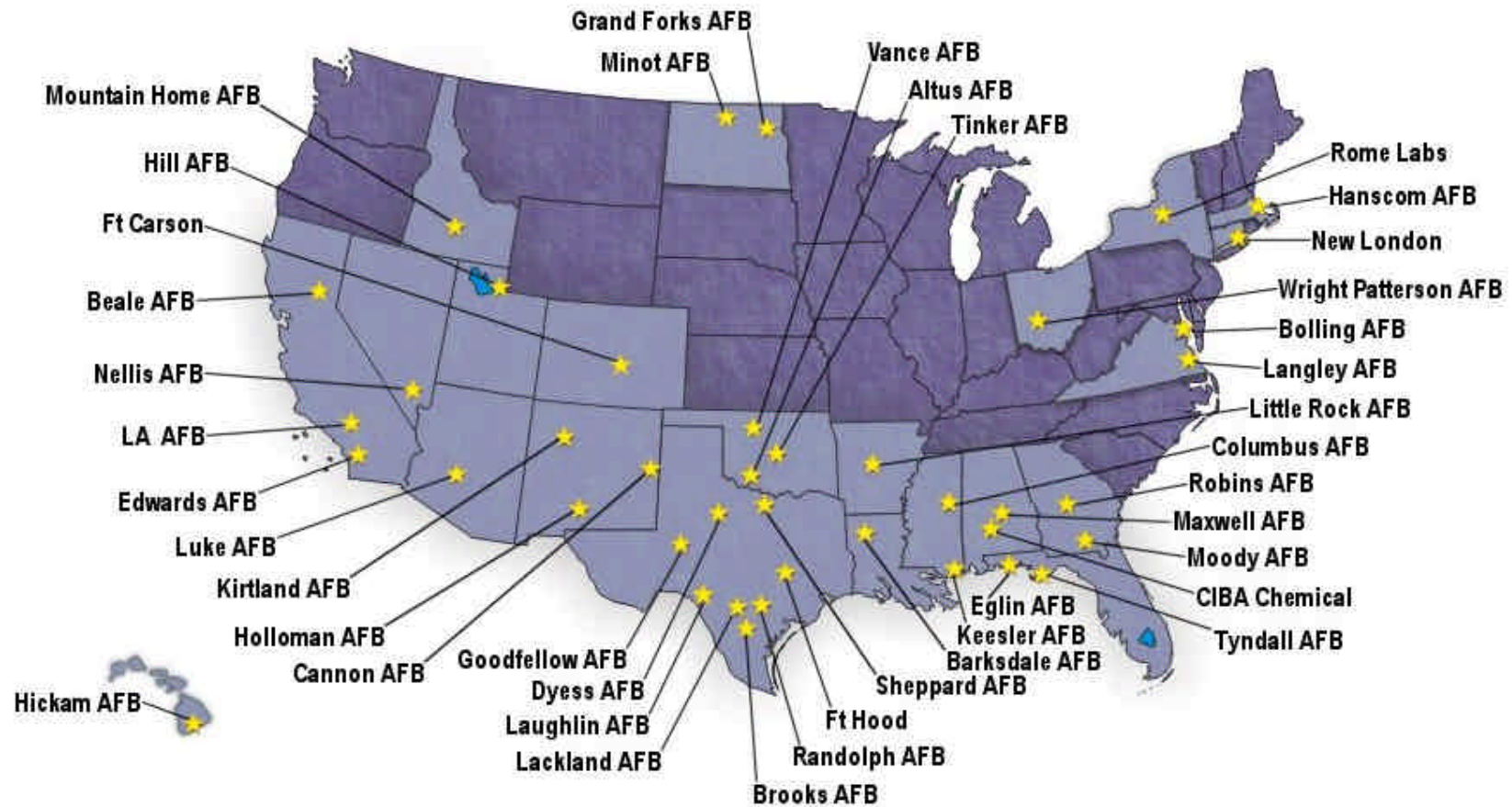
- Linking it all Together

- Regulatory Compliance is linked to the process or equipment

- Building Blocks of Data

- APIMS Locations

• Getting Help

•APIMS has a help desk available Monday through Friday, 7:00am–5:00pm MST, to assist you with any APIMS questions or problems. The APIMS help desk can be contacted by phone at 1-800-274-4406 or by e-mail at apims@trw.com

•Command Core provides a help desk to assist with any system-related problems such as connectivity. The CCS help desk can be reached by phone at 1-210-536-9662, (DSN) 240-9661/9662, or by e-mail at ccs-help@tmssc.brooks.af.mil.

•The Command Core System also has a web site at www.eesoh.com. This site offers version release information, functional user group information, deployment information, and a message center from the program office.