



# EID MANAGEMENT SYSTEM AND TOOLS

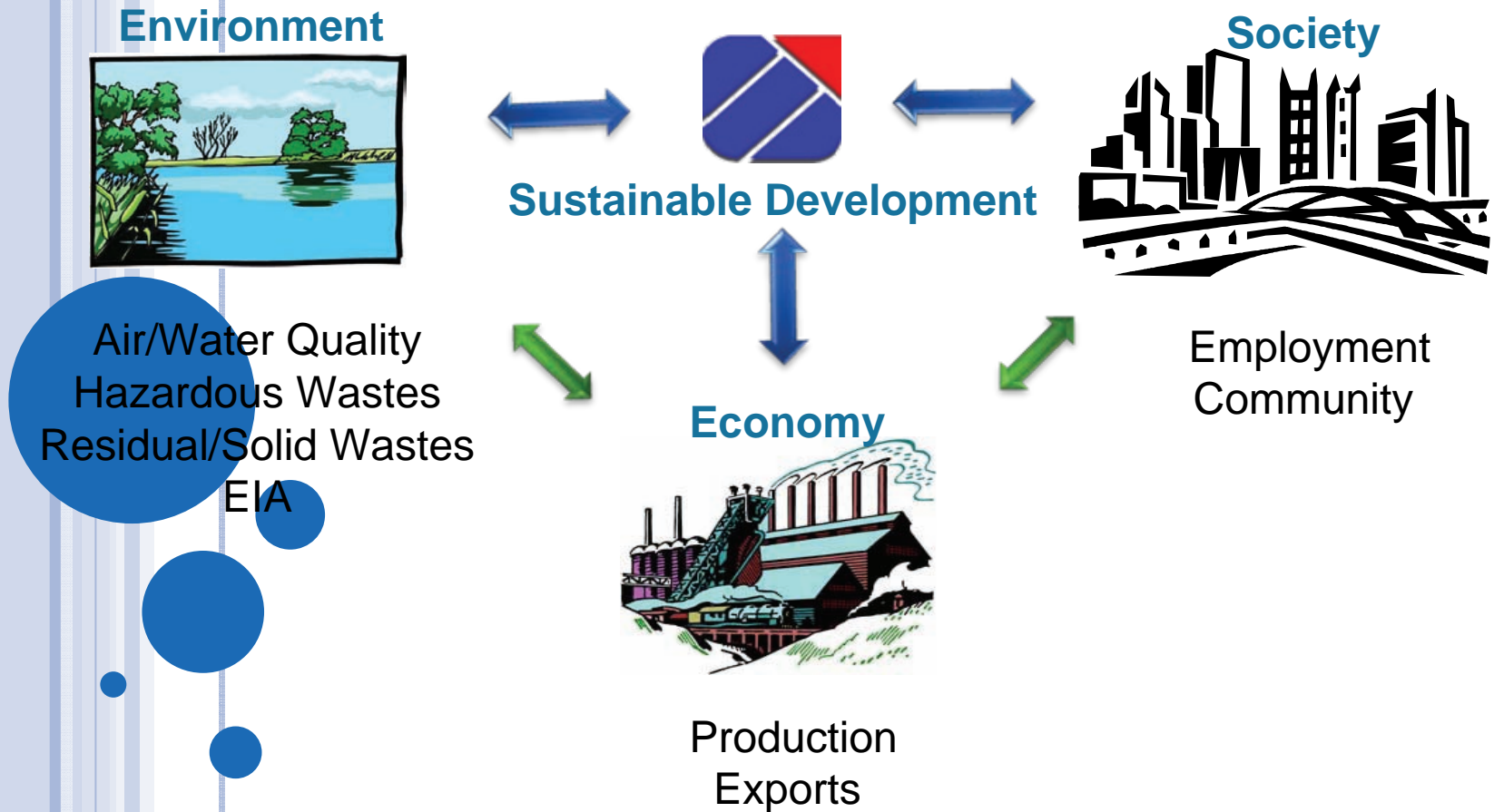


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# Eco-Industrial Development

- Management approach to enhance environmental management
- Encourages sustainable production practices resulting to resource savings and higher efficiency
- Minimizes conflicts between ecozones/locators and local communities over environmental issues
- Awareness and compliance to environmental regulations to avoid high environment-related costs specifically on fines and penalties

# EID Approach



# Role of PEZA

Given this vision on the emerging role of PEZA on the environment, society and economy, PEZA is then asked to respond and join the ranks of other progressive global organizations as an agent for sustainable development and value creation.

Thus, the demand has to be addressed with better tools and methodologies.

# OUTLINE

- Baseline Analysis Toolkit (BAT)
- Information Management System (IMS)





# WHAT ARE THE **OBJECTIVES** OF BAT?



# OBJECTIVES:



- Obtain basic information on the Eco-Zone, identify hot-spots and core sectors.
- Provide a guideline and useful tools
- Address issues on core area



# WHAT IS THE SCOPE?



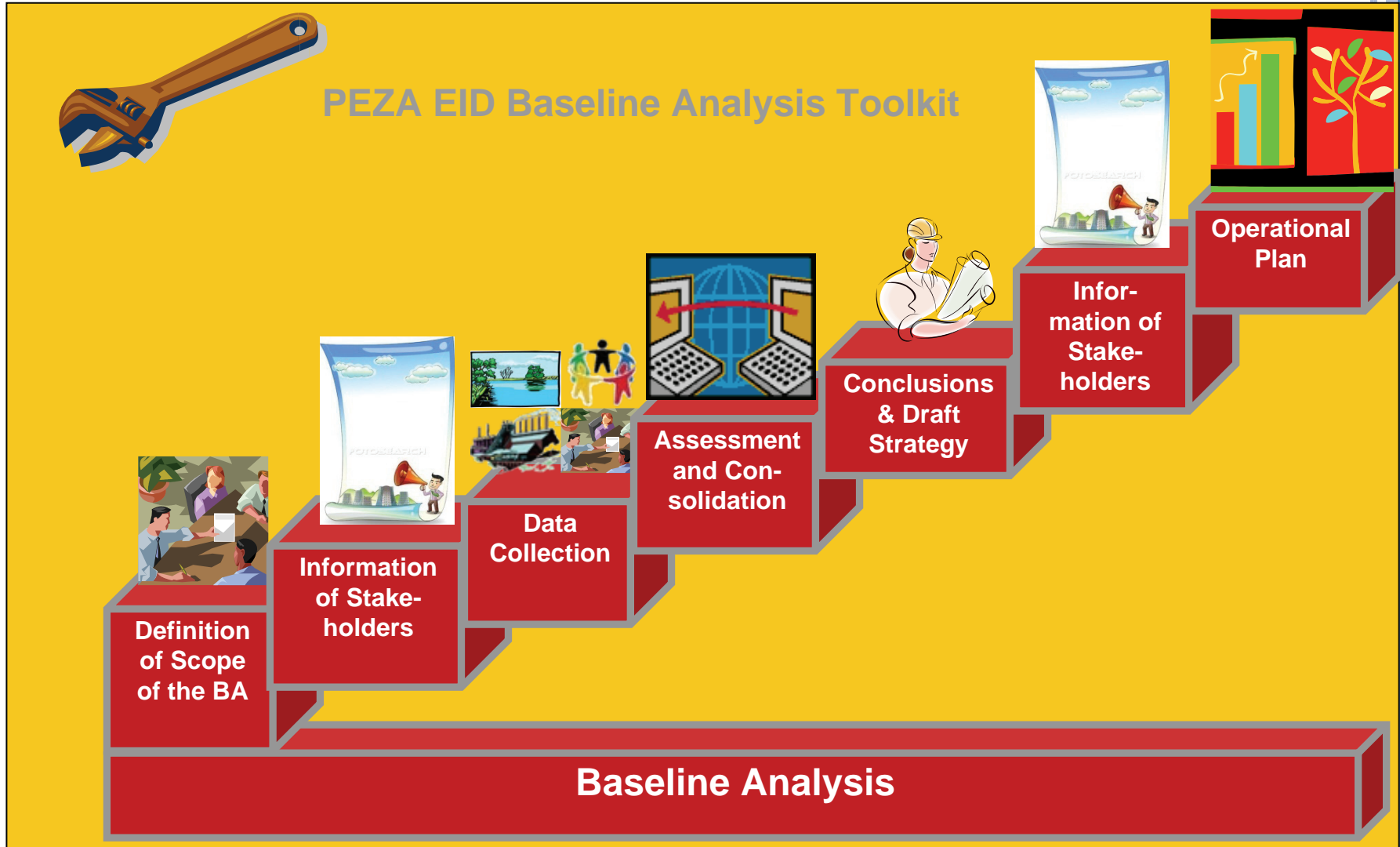


# SCOPE:

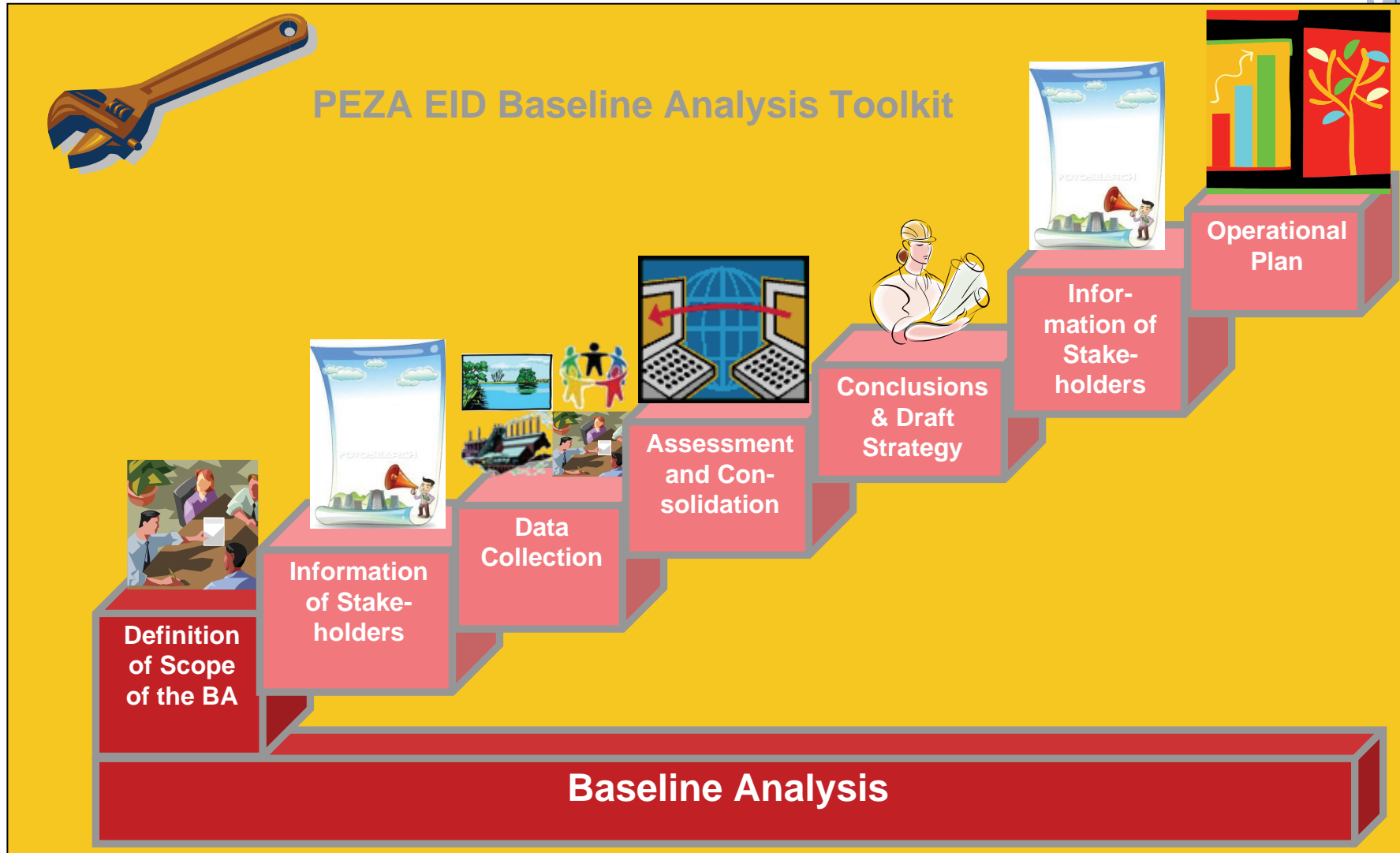
- Rely on existing / available data
- Limit work and duration
- Establish a standard approach and provide comparable baseline data for later benchmarking

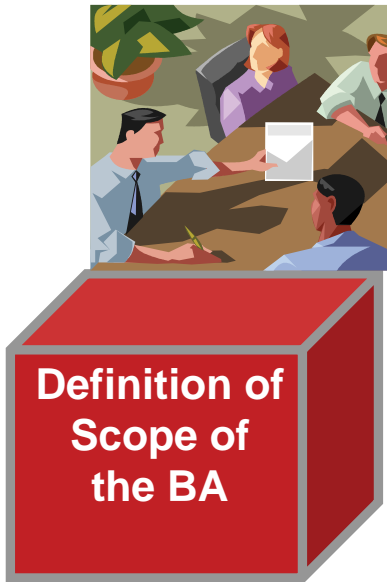


# WORKING STEPS OF AN EID-BASELINE ANALYSIS



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## OBJECTIVE:

- Create adequate working and communication structures for the execution of the BA.

## REQUIREMENTS:

- Clear responsibilities for the sub-steps
- Reliable communication





# SUB-STEPS & OUTPUTS:

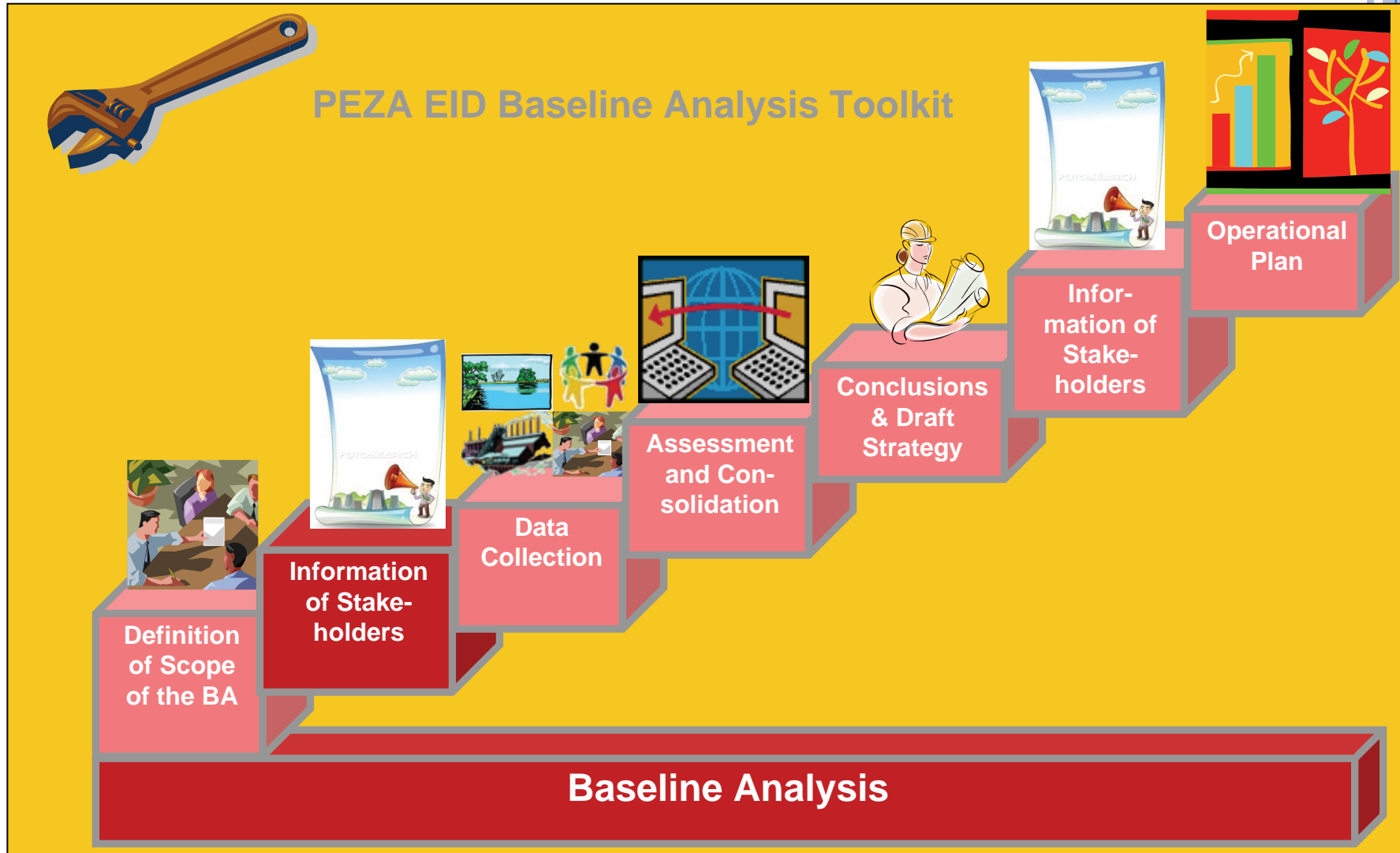
- Establish a team for implementation

→ Team Matrix, Responsibilities, Communication Structure

- Provide a tentative schedule for the BA

→ Tentative Work Plan

# WORKING STEPS OF AN EID-BASELINE ANALYSIS



# OBJECTIVES:



- Get the stakeholders on board
- Provide basic information
- Find out their attitude towards the project



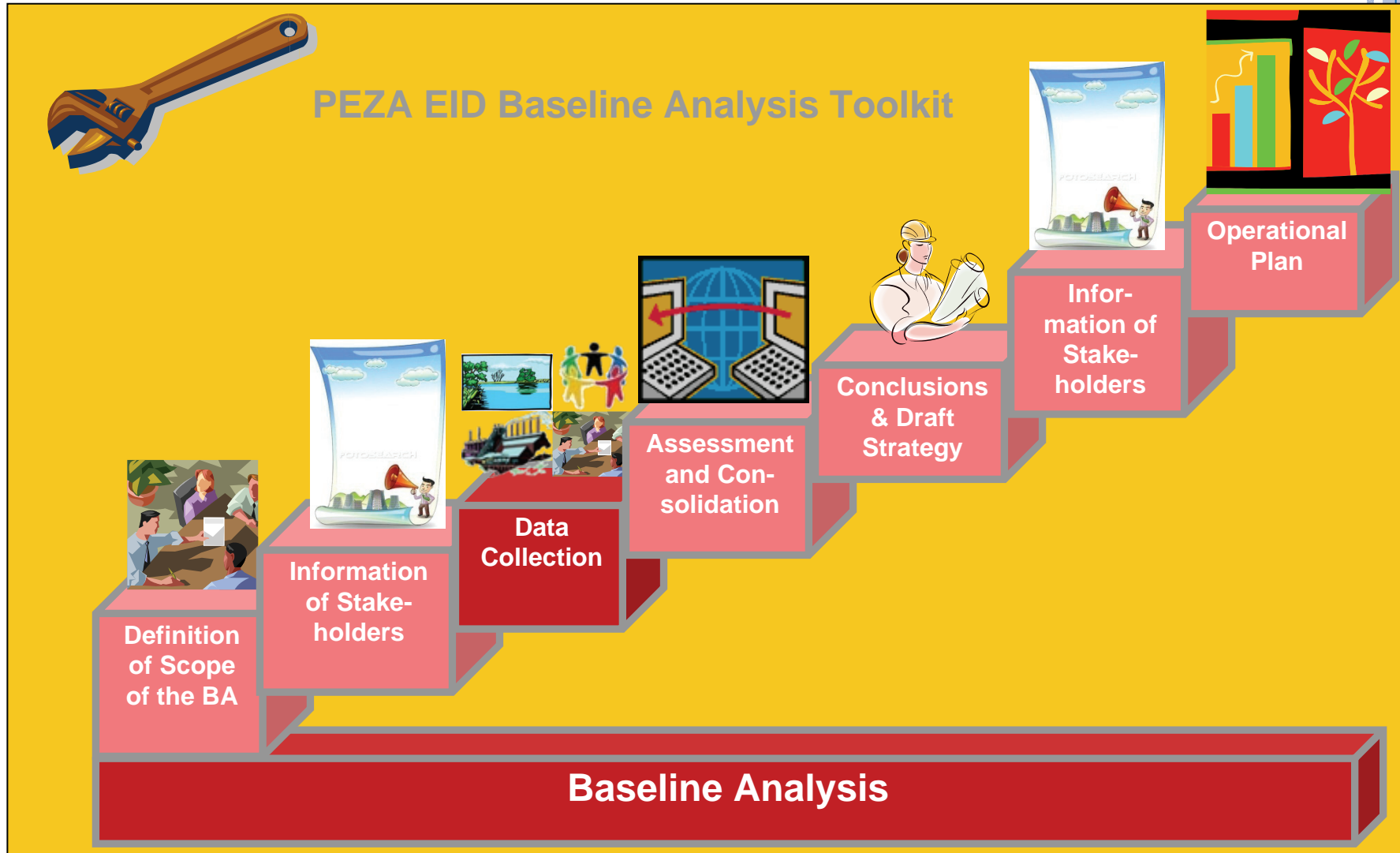
# SUB-STEPS:



1. Planning and preparation of the event
2. Execution of the event
3. Documentation of the outcomes of the event



# WORKING STEPS OF AN EID-BASELINE ANALYSIS



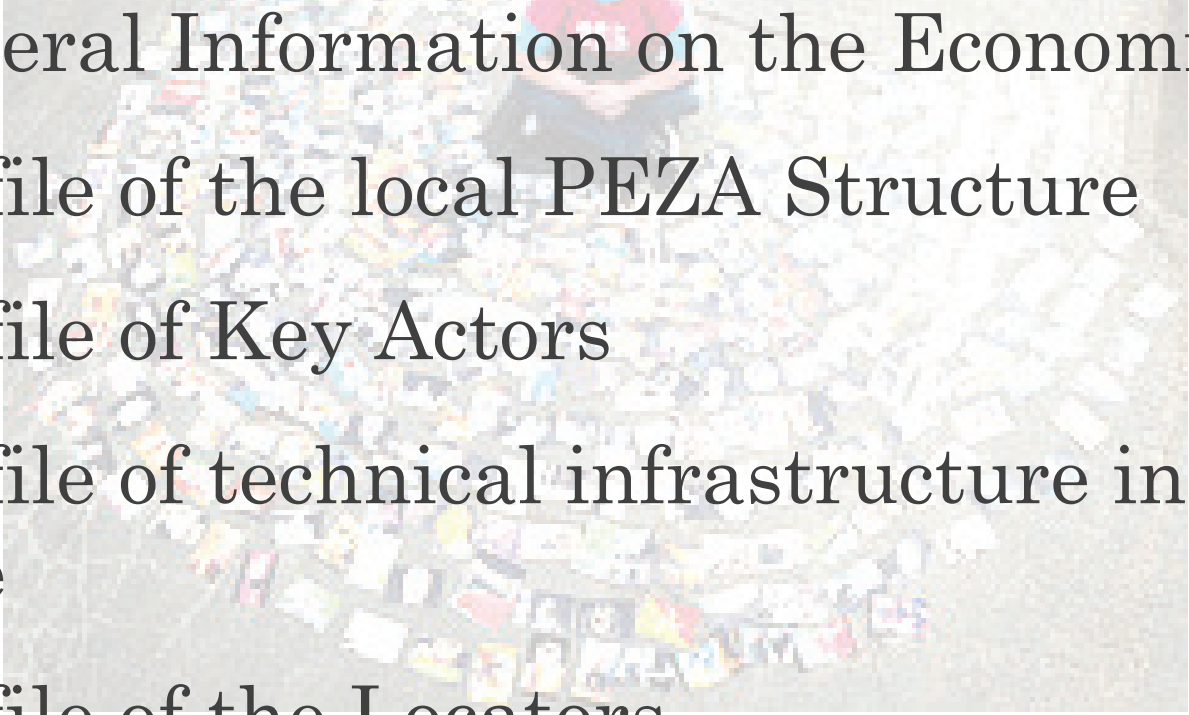
# OBJECTIVES:



- Data acquisition and collection
- Identification of data / information gaps



# ELEMENTS:

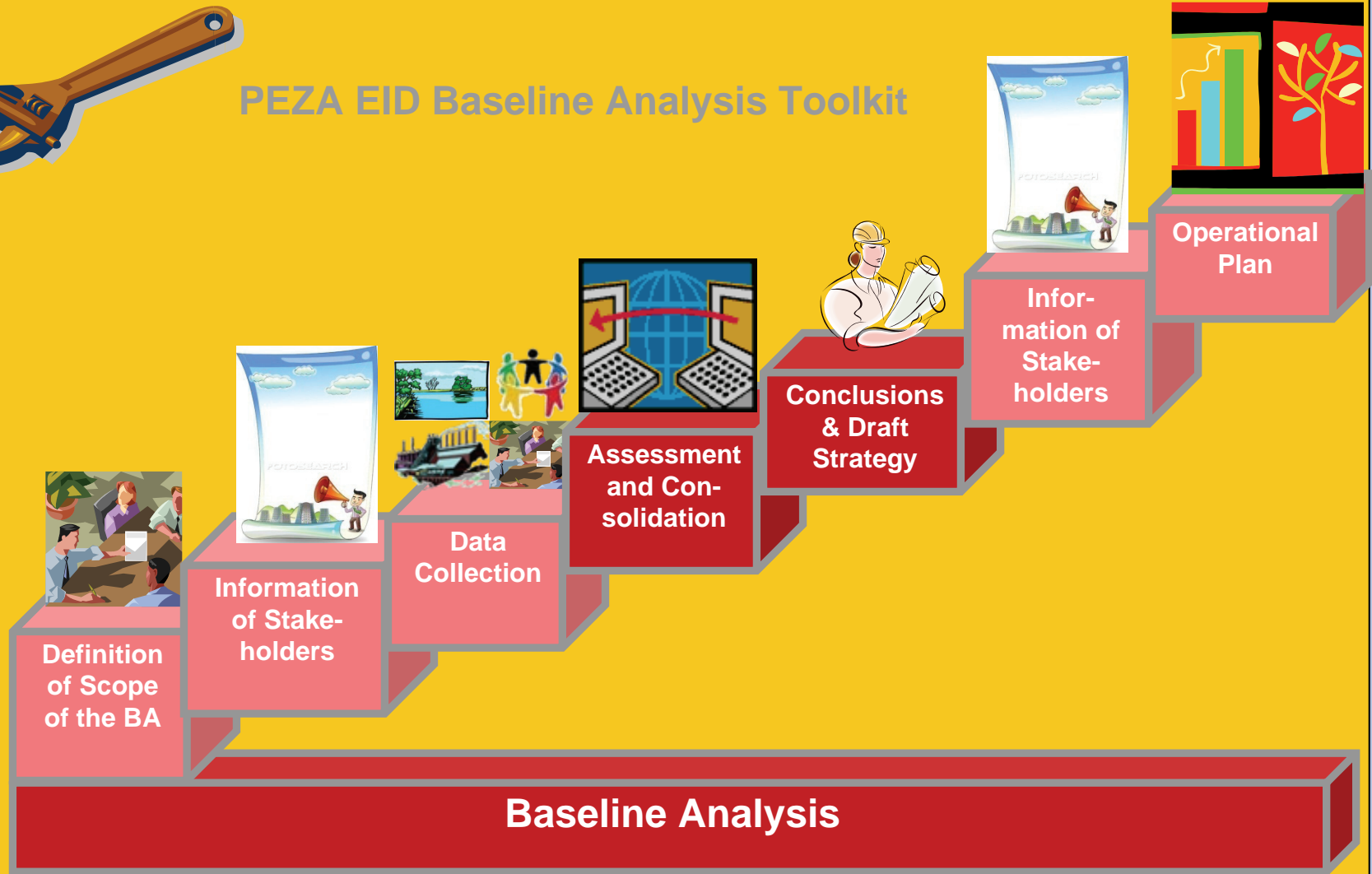
- 
- A woman with blonde hair, wearing a red shirt and dark pants, is sitting on a large, circular pile of colorful papers or documents. The papers are scattered around her, creating a textured, multi-colored base. The background is a plain, light-colored wall.
1. General Information on the Economic Zone
  2. Profile of the local PEZA Structure
  3. Profile of Key Actors
  4. Profile of technical infrastructure in the zone
  5. Profile of the Locators



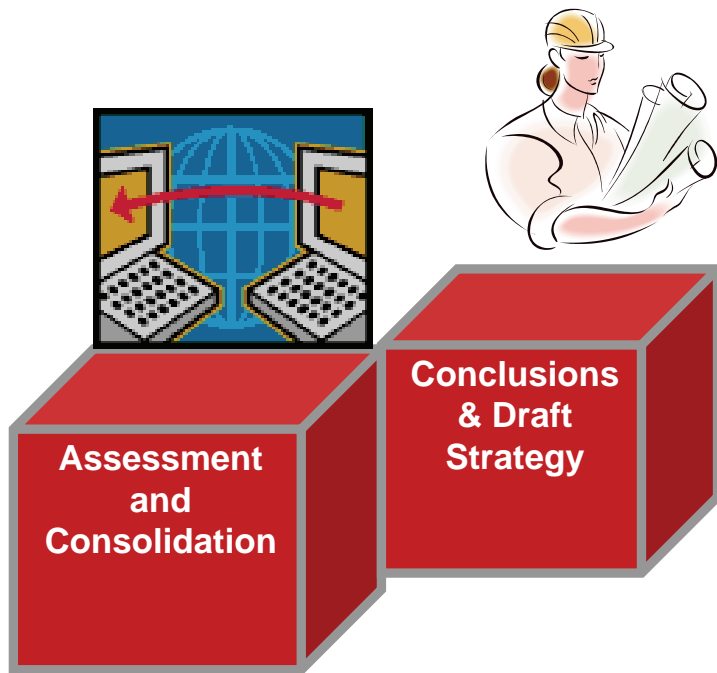
# WORKING STEPS OF AN EID-BASELINE ANALYSIS



PEZA EID Baseline Analysis Toolkit



# OBJECTIVES:



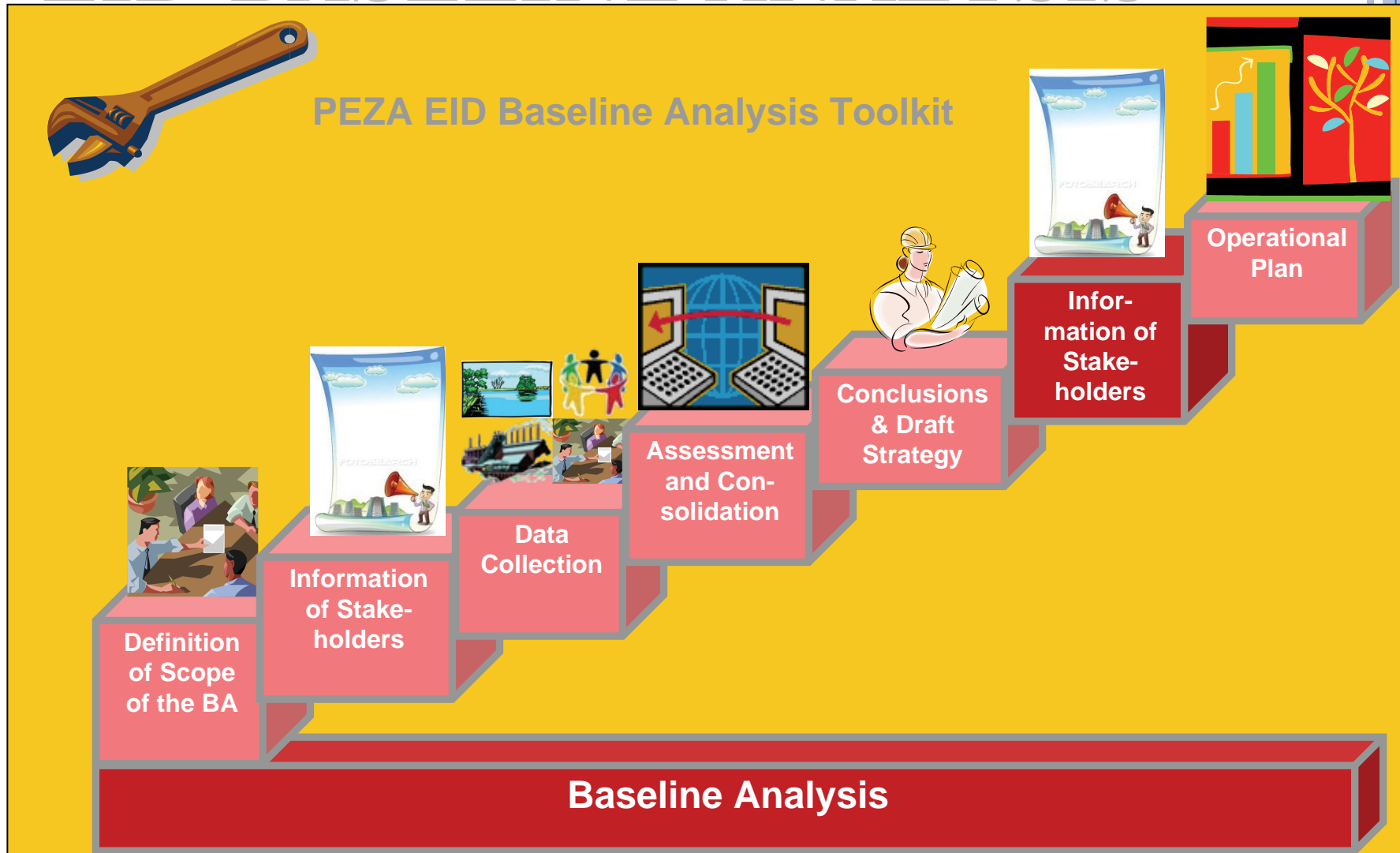
- Interpretation of data
- Additional activities to fill the gaps
- Draft a EID strategy for the EcoZone



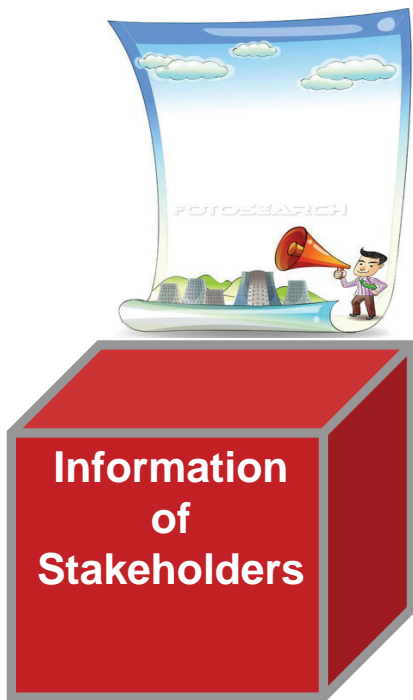
# SUB-STEPS:

1. Elaborate the 5 Profiles
2. Draw conclusions for each profile
3. Draft the EID strategy

# WORKING STEPS OF AN EID-BASELINE ANALYSIS



# OBJECTIVES:



- Strengthen the commitment
- Dissemination and discussion of findings
- Discussion of the EID Strategy

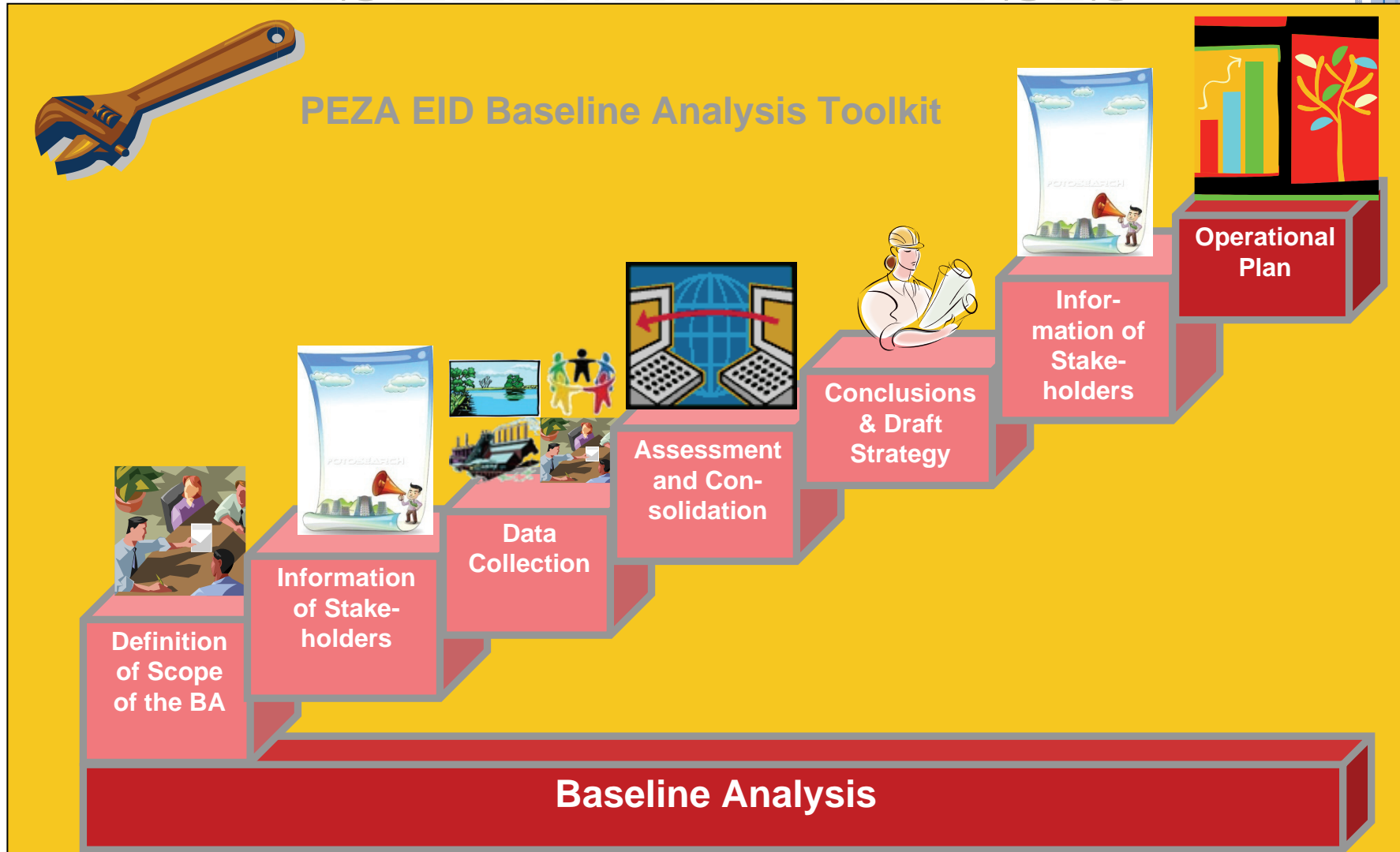




# SUB-STEPS:

- 1.Planning and preparation of the event
- 2.Execution of the event
- 3.Documentation of the outcomes of the event

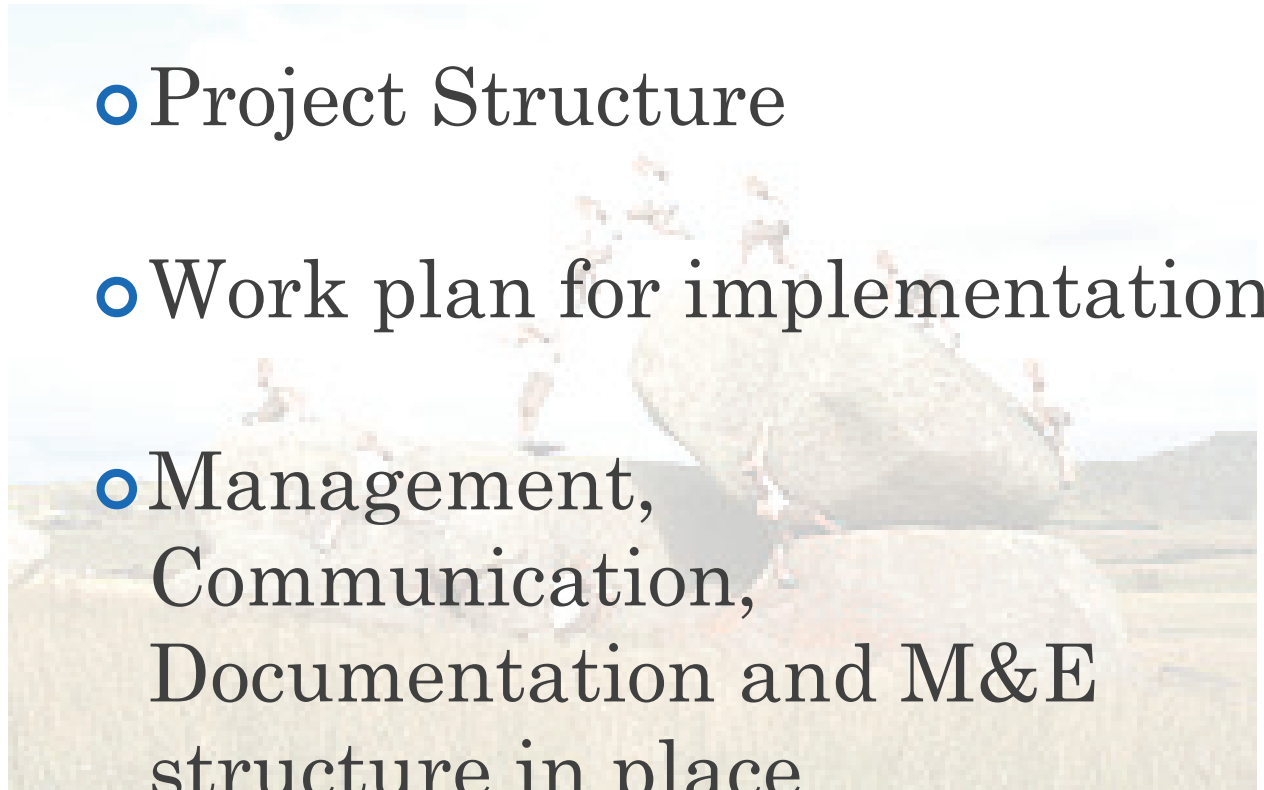
# WORKING STEPS OF AN EID-BASELINE ANALYSIS



# OBJECTIVES:



- Project Structure
- Work plan for implementation
- Management, Communication, Documentation and M&E structure in place



# SUB-STEPS:

1. Establish a team for project implementation
2. Define requirements for external support
3. Formulation of work packages
4. Establish management, communication, documentation and M&E structure between ESG, FISD and the local stakeholders

WHAT ARE THE  
OUTPUTS?



# OUTPUTS:

- Establish 5 Profiles characterizing the main features of the Economic Zone with regard to the EID approach
- Develop a Strategy for the EID-Initiative in the Economic Zone
- Establish a Project Team with appropriate Management, Implementation and M&E Structures
- Elaborate a Plan of Operations for the EID-Initiative

# What is the IMS?

- Initiates and supplements the incorporation of EID approaches in PEZA operations
- Focuses on the internalizing the EID management concept within the processes of specific PEZA units:
  - Environmental Safety Group (ESG)
  - Fire & Industrial Safety Division (FISD) in the respective Public Ecozones
  - and eventually across other PEZA units nationwide

# Current Setting

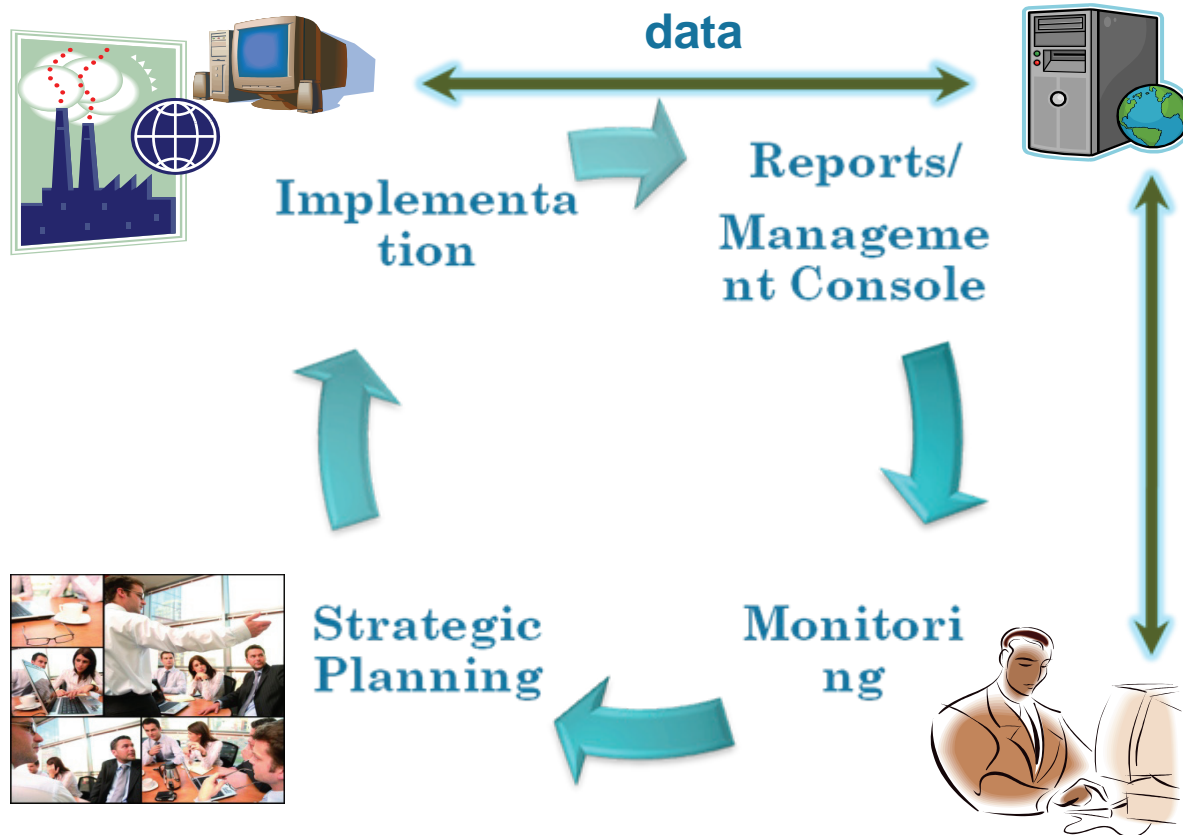
- Difficulties in tracking environmental performance
- Challenges in collecting required data:
  - Cost of data collection
  - General reluctance by the companies to share data
- An oversight on the overall environmental performance of ecozones and locators



# Objectives

- Real-time monitoring of ecozone and locator environmental performance.
- Improved data collection and processing at reduced costs
- Decision support system
- Locators to self-evaluate their environmental performance

# Process



# Benefits to Locators

- Provides a central source of relevant & reliable information about operation issues (environmental monitoring and compliance – permits and clearances, etc)
- Makes available environmental reporting in mutually-recognized format for use in complying with reporting requirements of other agencies (i.e. DENR – EMB, LLDA, etc)
- Self-evaluation on the performance of the facility for water use, energy use, production, etc
- Useful tips, CP guides, government incentive programs, news around an Ecozone

# Benefits to PEZA

- Encourages transparency, accountability, time and cost effectiveness of PEZA processes
- An effective measure for data collection
- A basis for overall environmental performance evaluation
- Facilitate voluntary networking activities among industries/locators
- Integrated analysis, strategic planning and priority setting
- Can serve as a direct communication platform between PEZA ecozones, central offices and locators

## Requirements for Successful Implementation

- Development of useful content to attract participants
- Data security
- High Availability
- Mutual trust between PEZA Ecozone and Locators

# IMS Features

- Main databasing, processing and archiving tool for EID issues, with quick and easy information delivery to support decision making within PEZA operations.
- Standardize environment related activities monitoring and reporting across ecozones and locators
- Web-based system accessible from any connected computer with IMS certified user names and passwords anytime, anywhere
- Secured with defined user access levels (e.g. Administrator, PEZA-ESG, FISDs & Ecozone offices, MMT, PEZA Units, Developers, Locator Companies, External users and general public)



# IMS Features

- Integrated system with the following ESG processes and services as components: (a) Environmental Compliance Monitoring, (b) MMT, (c) SMR, (d) Waste Management, (e) Online EID Management Manual and (f) PEZA Management Dashboard
- Automated and on-demand reports needed by PEZA management
- Linked to PEZA MIS and will be co-managed with ESG and FISDs
- Designed to accommodate future expansions (e.g. GIS, additional database functions and map server)
- Can be accessed at <http://124.105.32.236/smr>

# Work Program

- ✓ Initial assessment of existing systems and procedures to facilitate information management
- ✓ Determine resource requirements
- ✓ Design a system considering functional requirements by the PEZA units and possible resource requirements
- ✓ Develop the system modules (system applications) for selected processes, conduct of testing and appropriate capacity development



# Work Program

- Will initially develop PEZA Management Dashboard taken from the EID management concept which will provide the perspective to capture management indicators and decision tools eventually elevating the IMS into a business intelligence system
- Will initially address environmental compliance processes, permitting, and monitoring functions mandated for PEZA to perform

Thank you!

