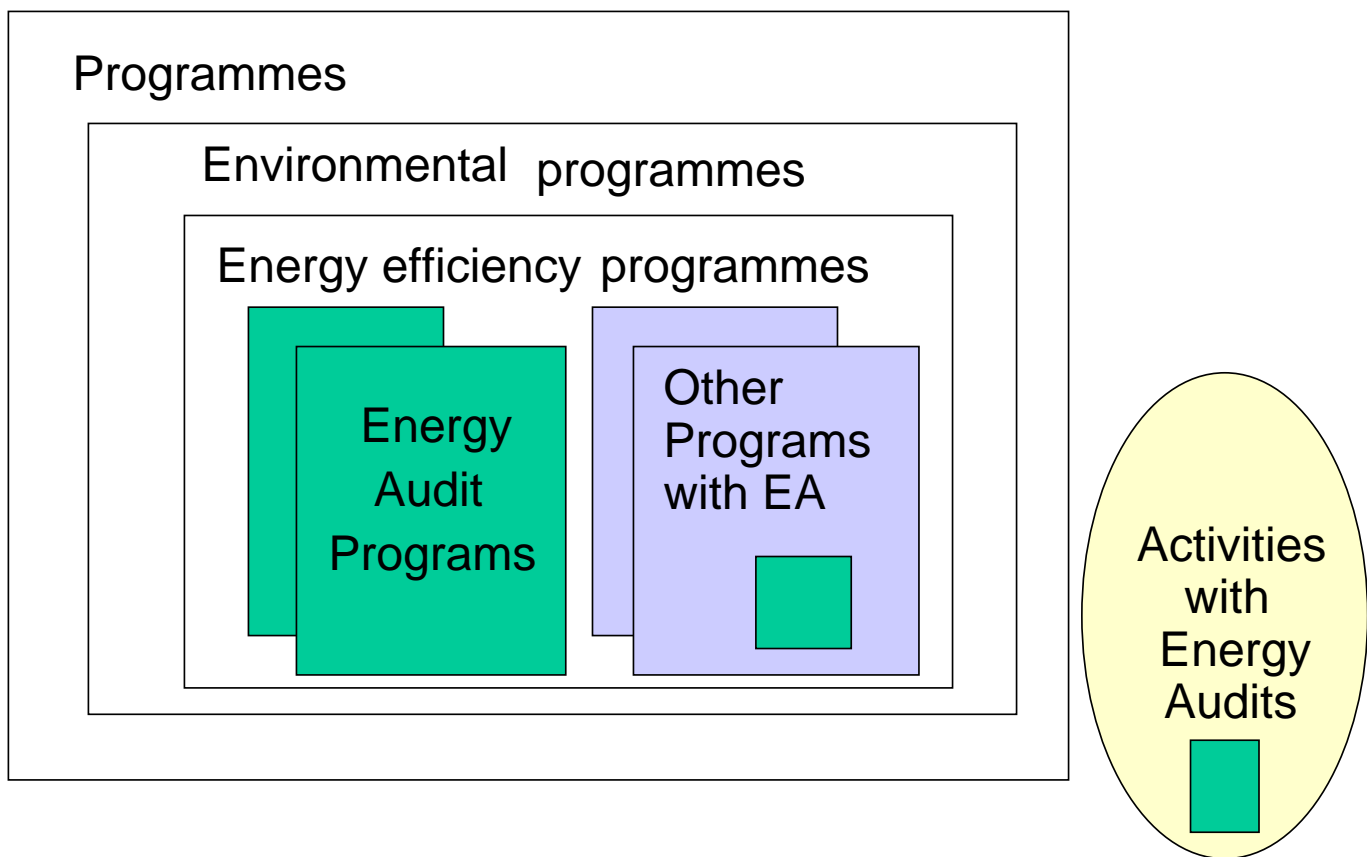


# Energy audits, other programmes and other activities

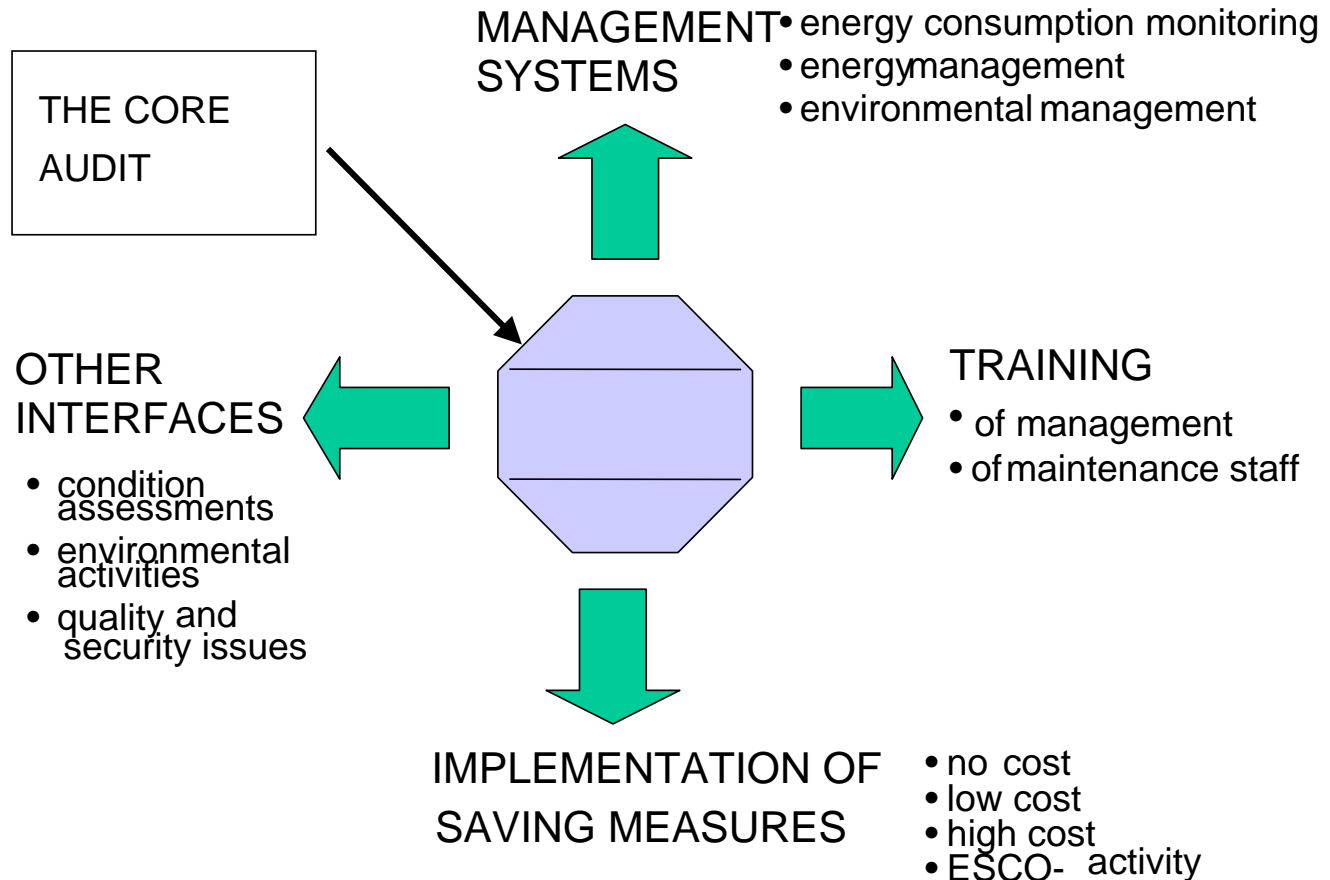


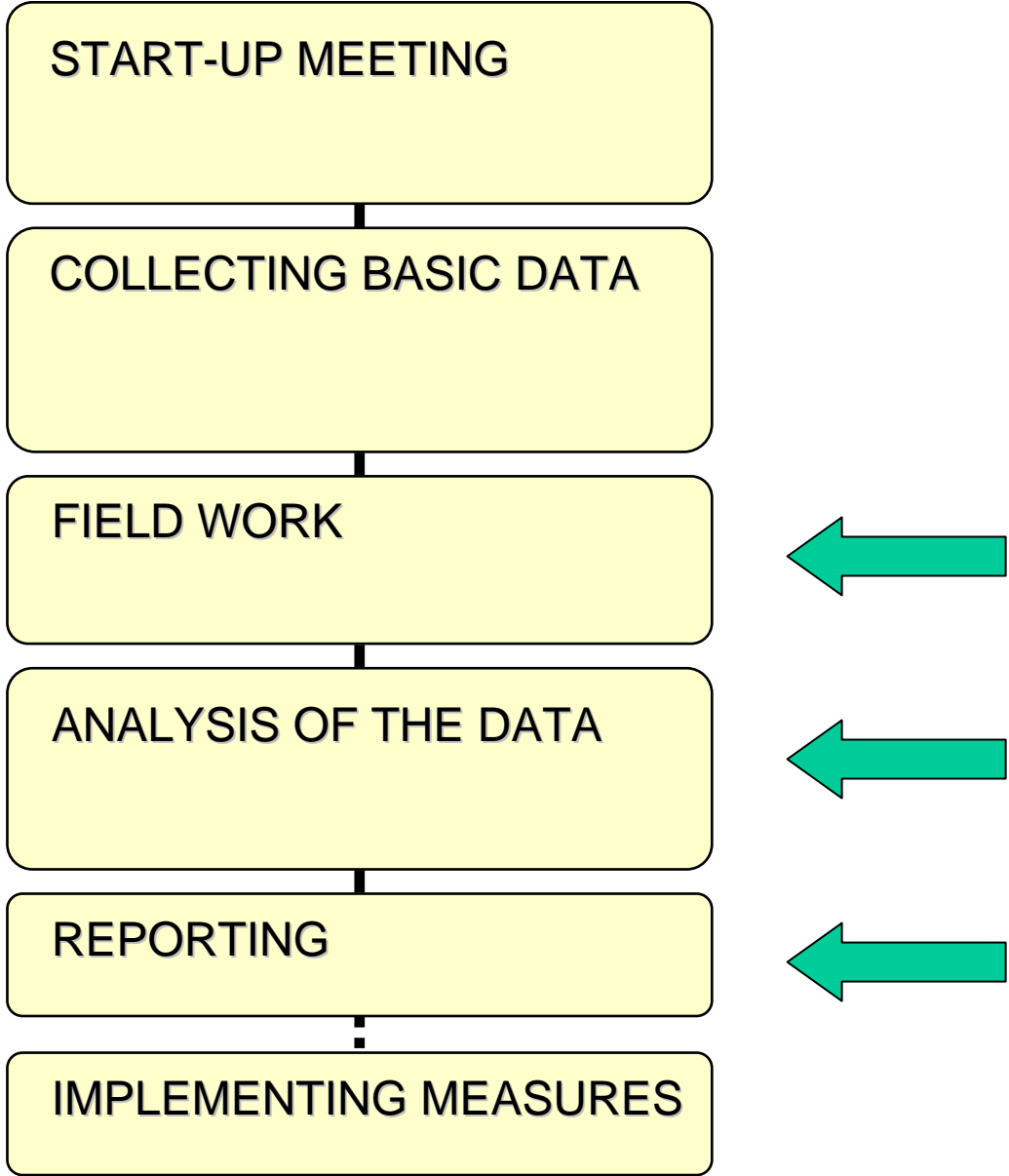
**Motiva**

Energiankäytön uusi suunta

## **Energy Audits and other assessments**

# The interfaces of an Energy Audit





# Energy audit or condition assessment?

## **THE MAIN AIM OF THE ASSESSMENT:**

- DATA FOR LONG TERM PLANNING?
- COST SAVINGS?

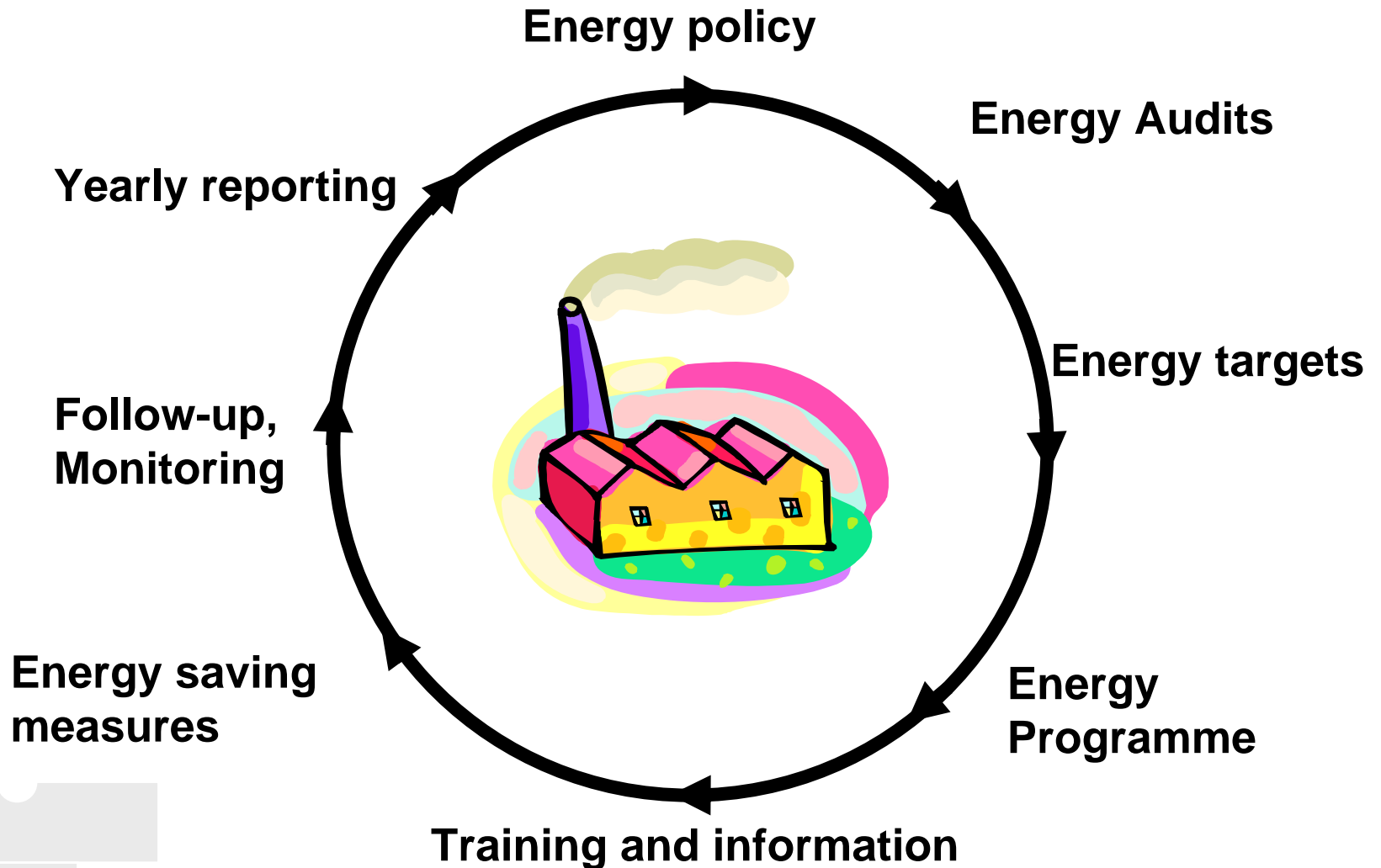
## **AN ENERGY AUDIT MAY NOT BE USEFUL IF**

- THE CONSUMPTION IS ALREADY LOW
- THE TECHNICAL SYSTEMS ARE MINIMAL
- THE TECHNICAL SYSTEMS NEED RENOVATION

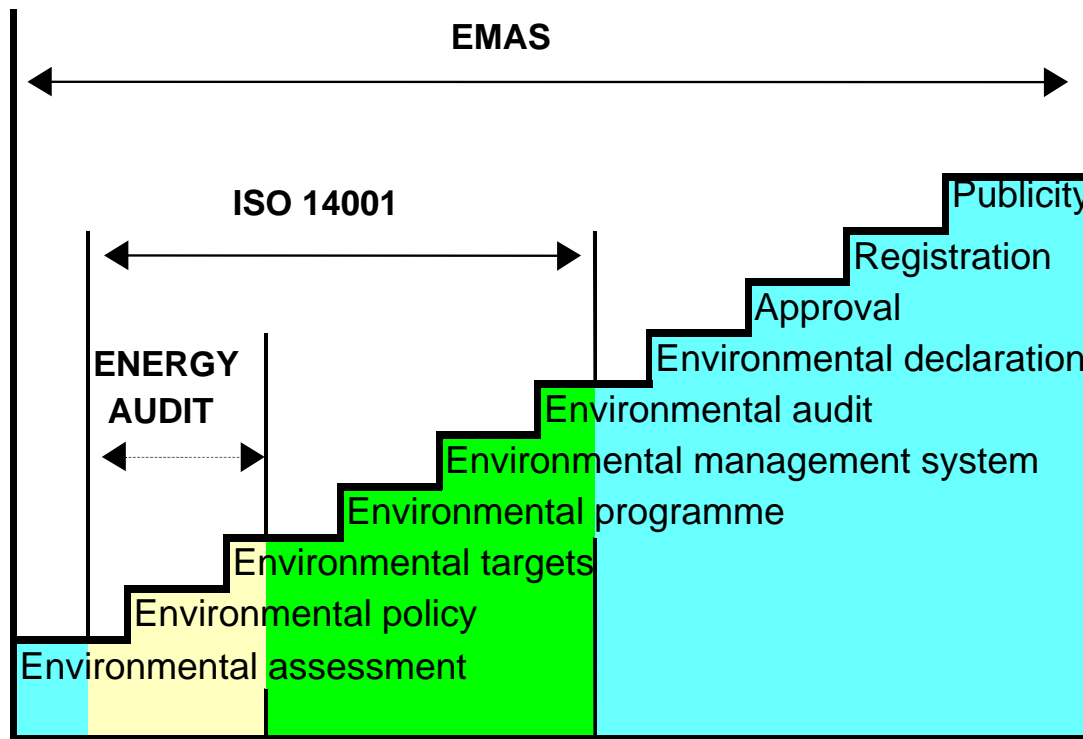
## **A CONDITION ASSESSMENT MAY NOT BE USEFUL IF**

- THE SITE IS NEW
- THE TECHNICAL SYSTEMS NEED RENOVATION

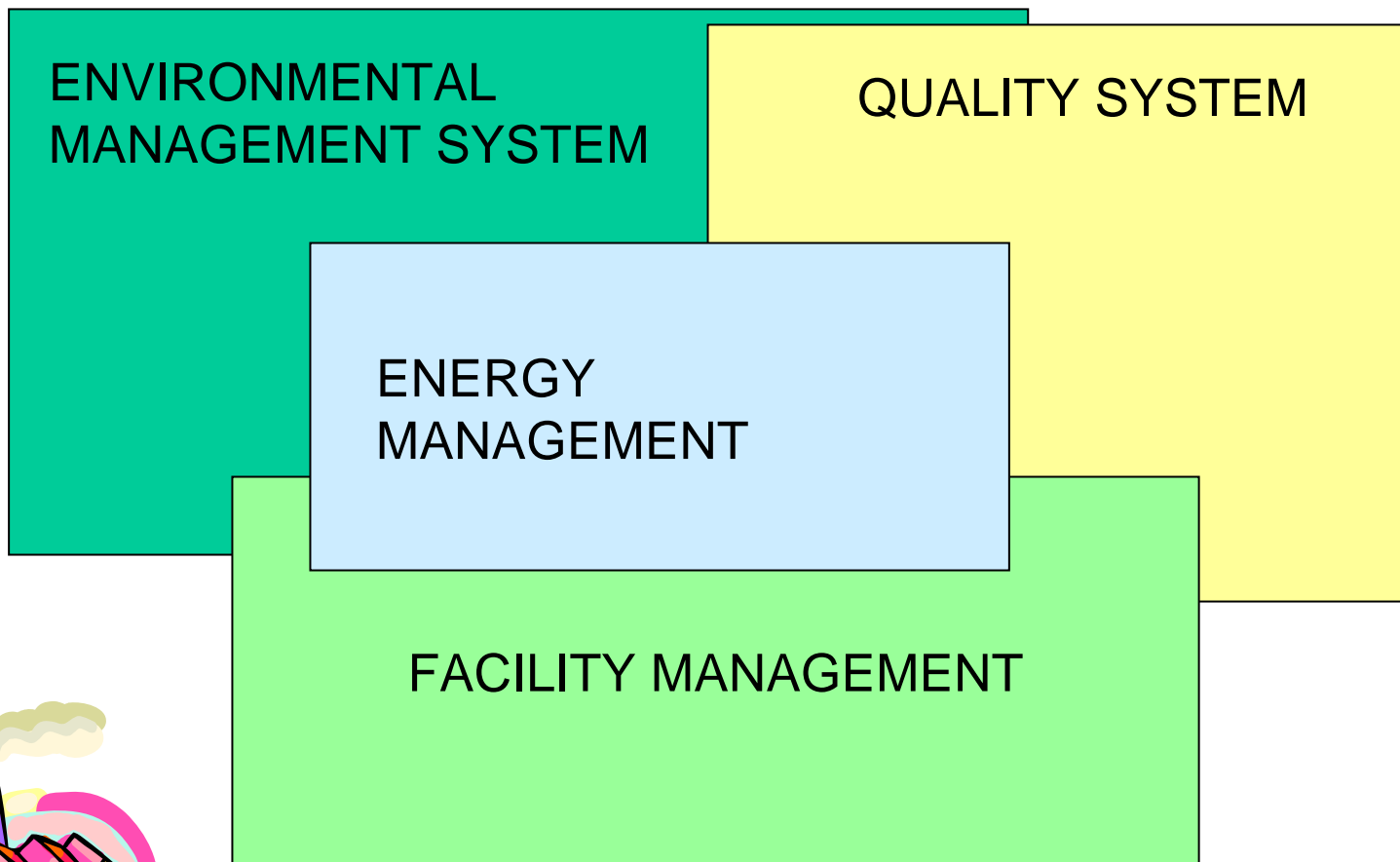
# Phases of energy management

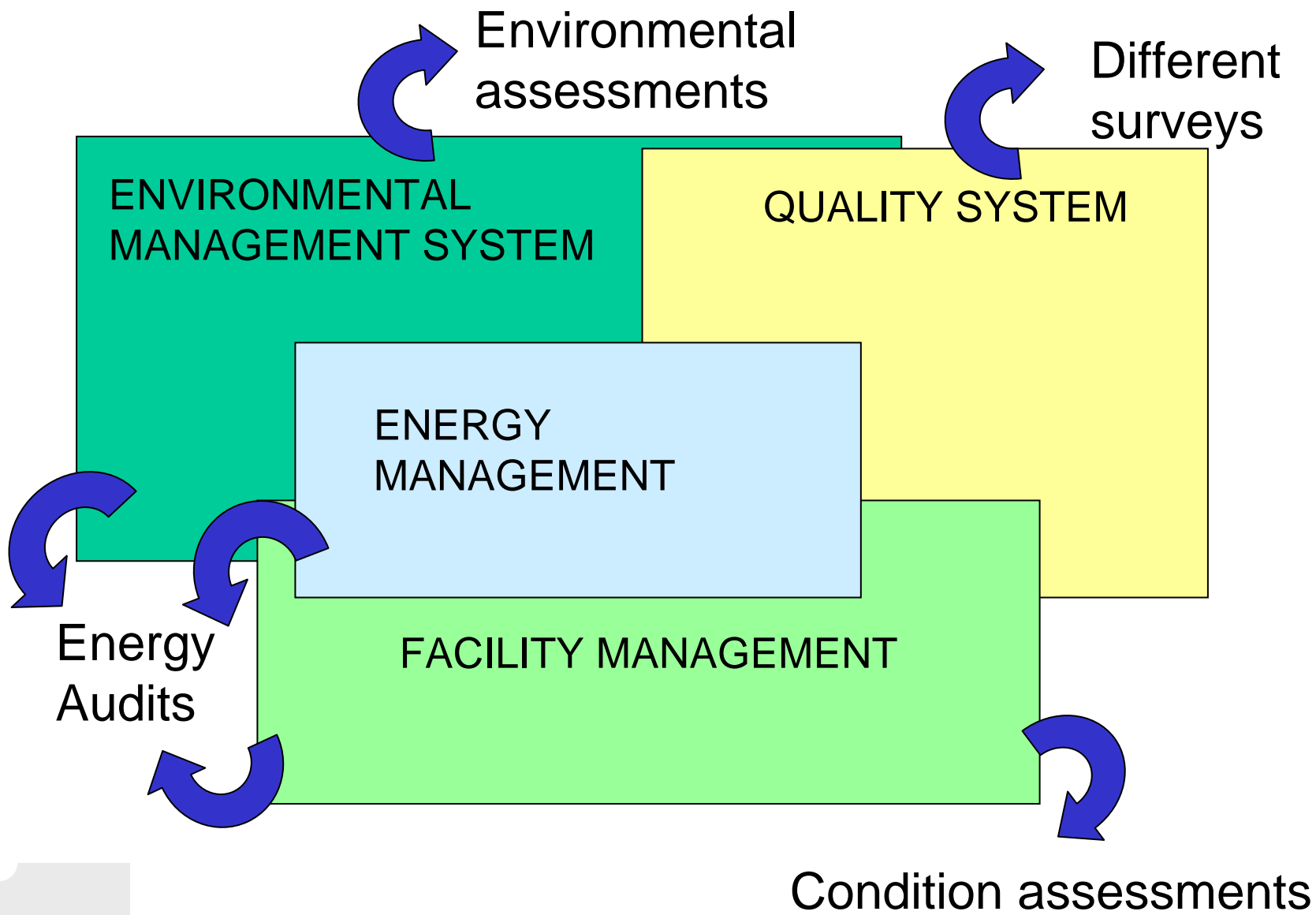


# Steps of environmental management

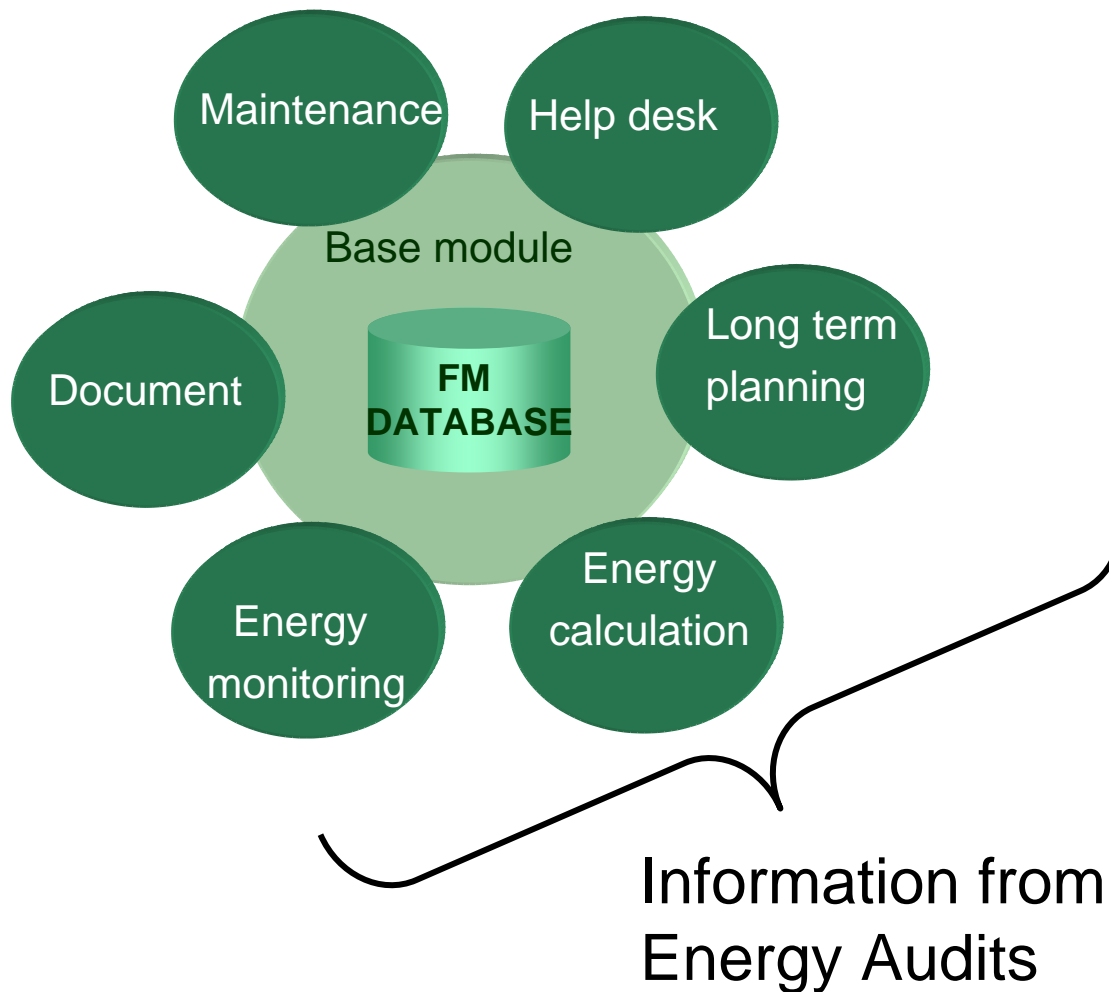


# Different interests overlap





# Facility management system



# Energy purchase optimisation

## **Step 1: Market survey of the present situation** **May be a part in an energy audit**

- Analysing the current status of the client's power demand and purchase contract (when, how much and to which price, cost profile, load profile).
- Dividing the costs to those of distribution charges (local, public, tariffs; limited market) and energy sales (free market).
- Estimation of savings by measures of changing tariffs.
- Estimation of savings by measures of changing resellers (comparing the present price to the market price).

## **Step 2: Sales contract tendering process**

Contract tenders are asked for the selected reseller candidates. Each candidate will receive information about the load profile, upon which the energy suppliers make tenders. The tenders are analysed and compared based on the load profile.

**For more details visit the website: <http://www.esprojects.net/en/energyefficiency/audit>**

<http://www.esprojects.net/attachment/f884d384a217c98c4bfa49875a2f02d9/d88e32fcddfb200f7025f24fe0f7d50e/Audits+and+other+assessments.ppt>