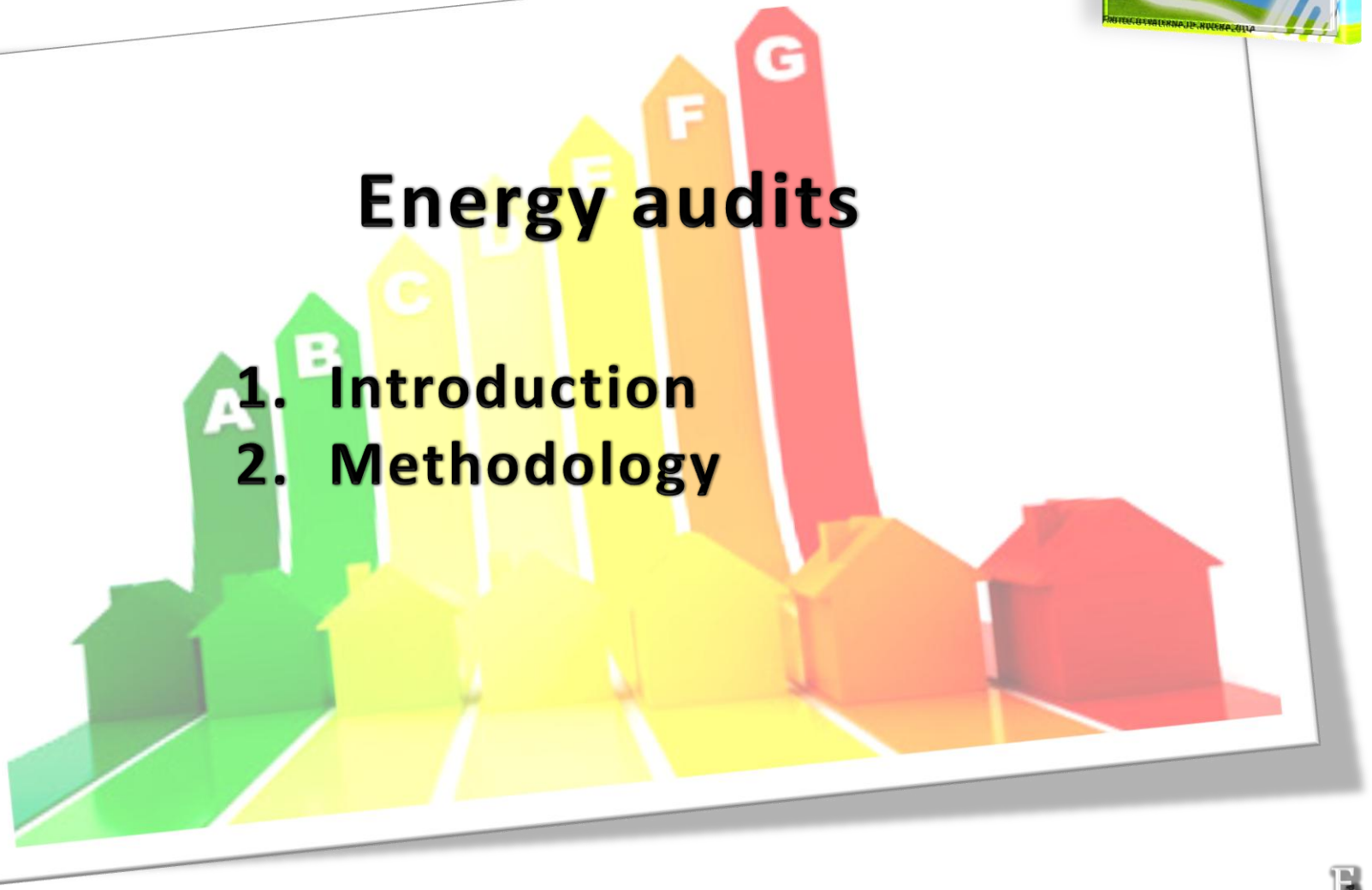
ENERGY AUDITS

Energy audits

1. Introduction
2. Methodology



INTRODUCTION

Tool to optimize energy and economic costs through the diagnosis and management of the facilities and their elements.
Objective: To establish a set of reforms and improvements aimed at the rational use of energy.

Directive 2012/27/EU defines the audit as the procedure to obtain adequate knowledge of the existing energy consumption profile of a building, identify and quantify the potential energy cost savings and prepare a report thereon.

INTRODUCTION

Steps to an energy audit:

1. Obtain data on consumption, energy costs and energy production
2. Establish an energy balance of the facilities.
3. Diagnosis of the building from the point of view of energy efficiency.
4. Define a list of improvement measures and economically assess the savings.

Classification of audits

There are various classifications of audits, according to different criteria:

- ITS SCOPE
  - Partial
  - Total
- FOR THE MOMENT
  - Proyect
  - work
- BY THE TYPE OF ANALYSIS

METHODOLOGY

The benefits to be gained from an energy audit are:

1. Increase the overall energy efficiency = reduced costs.
2. Improving the life of the equipment.
3. Lower average environmental impact due to lower emissions of pollutants.

METHODOLOGY

To achieve the benefits have to follow the following steps:

Preparation ..... Prior situation	Installation and inspection visit	Data Collect	Energy accounting	Improvement proposals	Final report

Scheme for carrying out an energy audit.