Good Practices for Reference Framework

MALAGA

Reference Framework (RF)

- Malaga´s RF is based in the **Local Agenda 21**
- Evolution:

  - 1995: 1st Agenda 21
  - 2005: 2nd Agenda 21(Aalborg)
    - First Indicator System.
    - 2007: Some Indicators calculated by GIS (Geographical Information System)

RF: Basic Documents

- **Agenda 21 Malaga (2005):** (Only in Spanish)
  - Chapter 0 - Introduction
  - Chapter 1 - The Urban Territory
  - Chapter 2 - Management of Natural Resources
  - Chapter 3 - Social cohesion and economical development
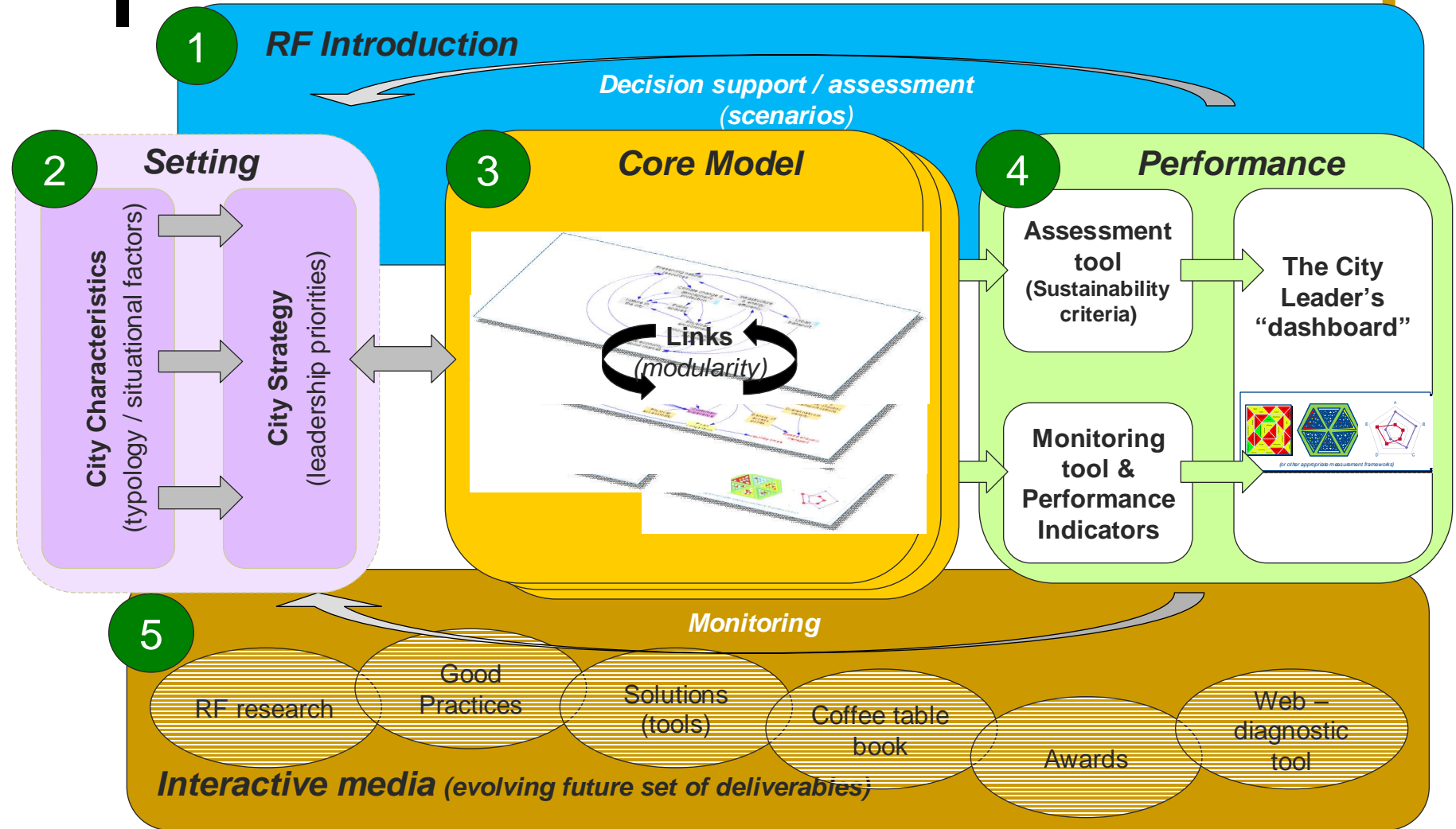 - Chapter 4 - Governance
  - Annex
- **Systems of urban indicators**: (Only in Spanish)
  - Guideline: Integrated systems of urban indicators (PDF 4.6 Mb)

- **Excel documents on indicators** (detailed leaflet ; list of shared indicators (ODM, GEO, HDR, UNICEF,...)
  - Sources of indicators (format Zip - 180.8 kb)

European Sustainable Cities Reference Framework

1 *RF Introduction*

Decision support / assessment (scenarios)

2 *Setting*

City Characteristics (typology / situational factors)

City Strategy (leadership priorities)

3 *Core Model*

Links *(modularity)*

4 *Performance*

Assessment tool (Sustainability criteria)

Monitoring tool & Performance Indicators

The City Leader's "dashboard"

(or other appropriate measurement frameworks)

Monitoring

5

RF research

Good Practices

Solutions (tools)

Coffee table book

Awards

Web – diagnostic tool

Interactive media (evolving future set of deliverables)

RF: Setting

■ **City Characteristics**

■ Located in southern Spain

■ 566.447 inhabitants (2008)

■ 6th mayor city of Spain

■ Mediterranean weather (18ºC year average)

# RF: Setting

■ **City Strategy (4 pillars)**

1. The urban territory and urban configuration/ morphology
2. Management of natural resources
3. Social cohesion and economic development
4. Governance

RF: Core Model
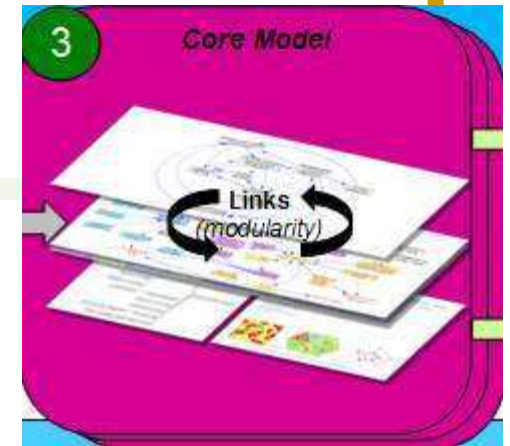
- System of indicators are **linked** with general objetives.

- Example:
  - Objective: Management of natural resources
  - Indicators: Air quality, water consumption per person, waste water treated, waste management,…

RF: Assessment Tool
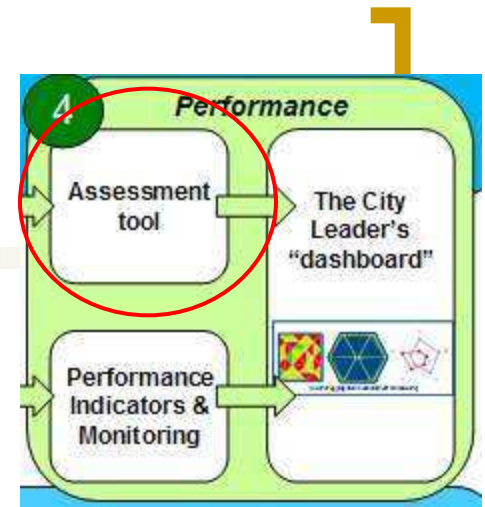
- No clear Assessment Tools for a priori evaluation of strategies.

- There is an Assessment Tool to elaborate the integrated system of indicators.

Link: http://www.omau-malaga.com/subidas/archivos/arc_1059.xls

So, we´ve found criterias of sustainability **ONLY** for the elaboration of the system of indicators.
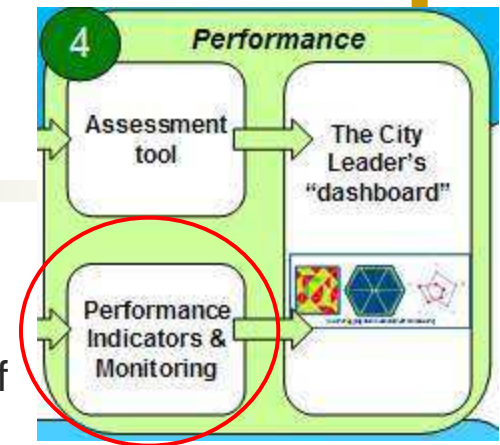
RF: Indicators

- The City Council of Malaga, with the OMAU (Observatory of Urban Environment) has worked on indicators since 1995, updating them in a continuous effort of improvement.

- **Malaga Indicators:**
- Indicators 1995-2007
- Guideline: Integrated systems of urban indicators (2008) (PDF 4.6 Mb)
  (Elaborated by UN-Habitat and its city peers from Latin America and Caribbean)
- Integrated System of Urban Indicators. Results-2009 (summary)
- OMAU Urban Indicator List (83)

- **More info on indicators:** http://www.omau-malaga.com/pagina.asp?cod=71

- Database of Urban Indicator Sources
- Indicators of the Millenium Development Goals
- Indicators of UN-Habitat

RF: Indicators

- **Guideline: Integrated systems of urban indicators (2008)**

- **It´s the actual indicator system (25 INDICATORS).**
- **Structured on the 4 pillars:**
1. The urban territory and urban configuration/ morphology (5)
2. Management of natural resources (5)
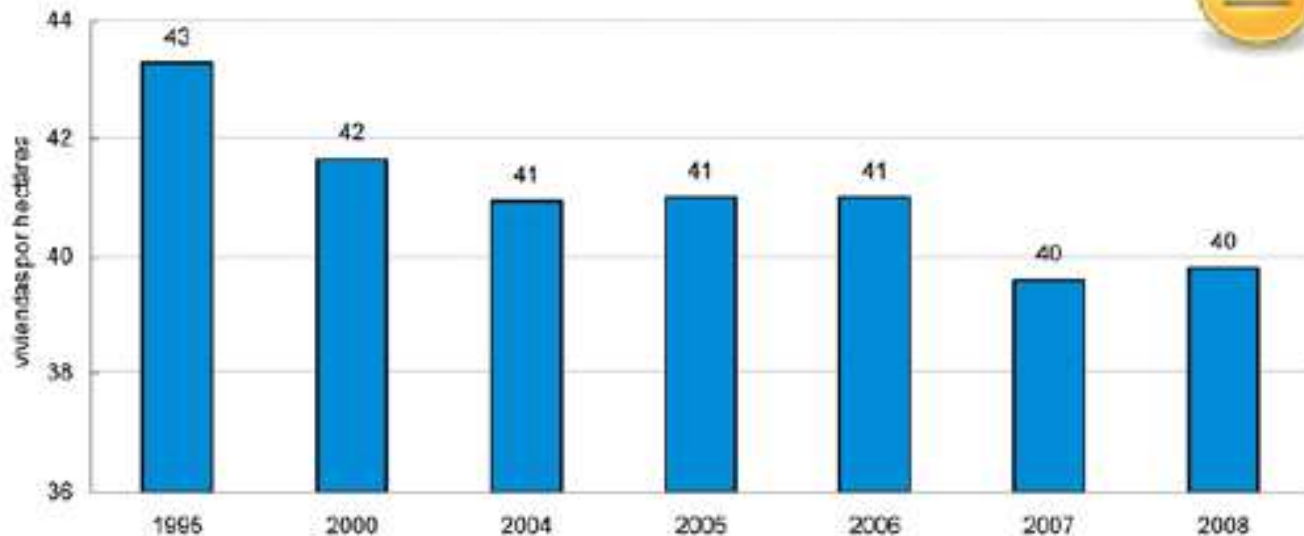3. Social cohesion and economic development (10)
4. Governance (5)
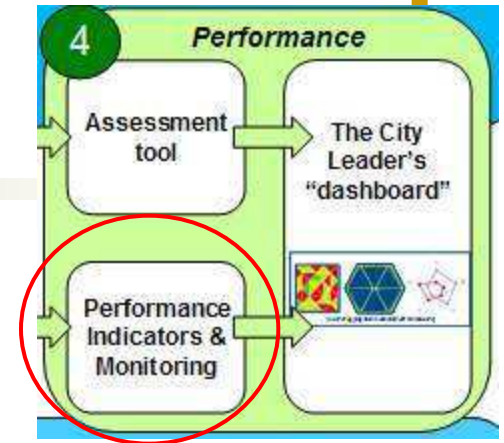
RF: Indicators

- ## **Visualization Tools:**

BAR-GRAPHs and Pictograms:

Indicator: **The urban territory and urban configuration/ morphology**

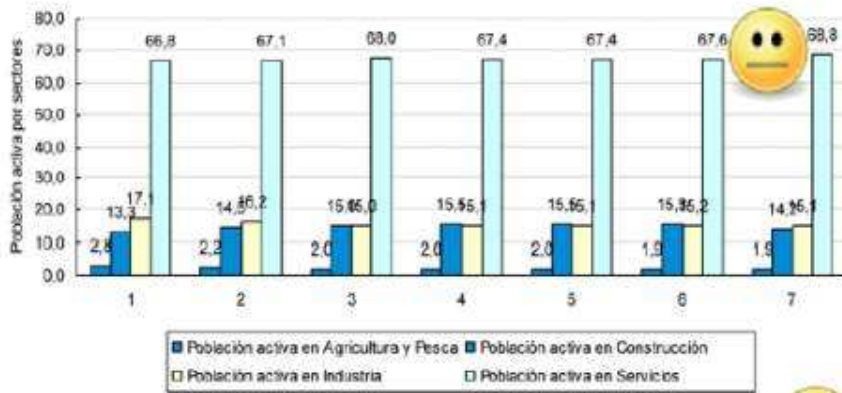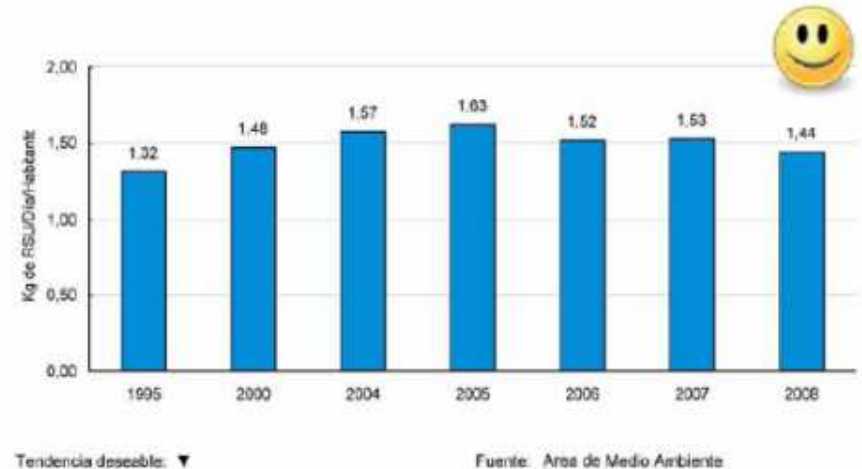Number of buildings per hectare

Tendencia deseable: ▲

Fuente: Gerencia Municipal de Urbanismo

RF: Indicators

- ## **Visualization Tools:**

BAR-GRAPHs and Pictograms:

Social Cohesion and Economic Development
Active Population by Sectors

Management of Natural Resources
Waste Kg/person

Conclussions about Malaga´s RF

- **MS/I Group**

White	doesn't exists
Green	the element is present in the documents found in the RF of the city
Orange	the element is not in the RF (it's taken from another process or document the city used in its process...)
Yellow	there are clues about the existence of the document but we couldn't find it, or the document is not obviously relevant

- **Vitoria-Gasteiz**

Reorientation of strategy

STRATEGIE (objectives)	Sustainability Questions or Criteria	Visual Assessment Tool
	Actions	
	Indicators	Monitoring Tool

Assessment through time

  - ○ Rich information on: **Indicators.**
  - ○ Adequate: Actions and Strategies. And Monitoring Tools (though not mentioned by MS/I)
  - ○ Poor: Assessment Tool (Only criterias to elaborate System of Indicators)
  - ○ None: Visual Assessment tools.