LC Districts
Interreg Europe

European Union
European Regional
Development Fund

PROTOCOLLO ITACA
assessing the sustainability of urban areas

arch. Paolo Lucattini

Public Officer (Regione Toscana) – Coordination ITACA Urban Scale Working Group

paolo.lucattini@regione.toscana.it

1. Target

LC Districts
Interreg Europe

- Contrast to the consumption of new soil;
- urban regeneration;
- awareness of the cityes role in sustainable development;
- Mitigation of the effects of climate change;

ITACA SCALA URBANA

- need to have a system to assess the performance of the cities

2. Pourposes

LC Districts
Interreg Europe

TOOL

- to **define the reference performances** (benchmark) during the project phase and as a support tool for the decision making;
- to **verify the achievement of sustainability goals** (ex post - assessment)

CONTRIBUTION

- to **raise the quality of urban design** through the drafting of guidelines and criteria to be used to manage found in urban regeneration programme

SUPPORT

- for the **decision making** urban development policies

3. Protocollo ITACA – Urban Scale

The ITACA Protocol Urban Scale is a multi-criteria assesssment system for the evaluation of environmental sustainability of an urban context based on SBTool - international tool developed through the Green Building Challenge research process coordinated by iiSBE;

Starting from a set of basic assessment items, the ITACA Protocol Urban Scale aims to provide a **final performance score**, indicative of the sustainability level of the urban settlement;

The constituent elements of the evaluation method can be summarized as follows:
- a set of evaluation items, called **criteria**;
- a set of quantities, called **indicators**, which allow to quantify the performance of the urban area in relation to each criteria;

LC Districts
Interreg Europe

strategies

- **Pact of Amsterdam** - 2016
- **The 2030 Agenda for Sustainable Development**, *SDG 11 sustenibe cities and communities* - 2015
- **Toledo Declaration** - 2010
- **Marseille Declaration** - 2008
- **Leipzig Charter on Sustainable European Cities –** 2007

funds

- **European Regional Development Fund** - 2014_2020:
- **National Operational Programme on Metropolitan Cities** - 2014_2020;
- **Piano Citta'** – 2012;
- **Covenanat of Mayors for Climate an Energy** - 2008;

5. Agenda 2030 – Goal 11

LC Districts
Interreg Europe

ITACA

Arch. Paolo Lucattini

6. Team work

LC Districts
Interreg Europe

REGION OF TUSCANY
COORDINATION

REGIONE OF PIEMONTE

REGION OF MARCHE

REGION OF EMILIA-ROMAGNA

REGION OF BASILICATA

REGION OF CAMPANIA

REGION OF LAZIO

ITACA

ARCHITECTS NATIONAL COUNCIL

ANCI – MUNICIPLATY OF PESARO

ANCI – MUNICIPALITY OF UDINE

scientific advisory

iiSBE ITALIA arch. phd. Roberta Montalbini arch. phd. Luca Marzi

7. Timing & Activities

LC Districts
Interreg Europe

jun 2013 — **1** Construction of a **reference framework** on the themes of the project.

2 **Construction of the evaluation system** based on the most suitable **multi-criteria methodology**

3 **Protocol drafting, version 1.0 - 65 indicators**

dec 2016 — **4** **Approval of the Protocol by the ITACA Board of Directors** (technical body of ITACA)

-

In progress

5 **Dissemination, testing, auditing**

6 **Protococol drafting, version 2.0**

7 **FINAL ADOPTION TO THE CONFERENCE OF THE REGIONS** – *to do*

ITACA

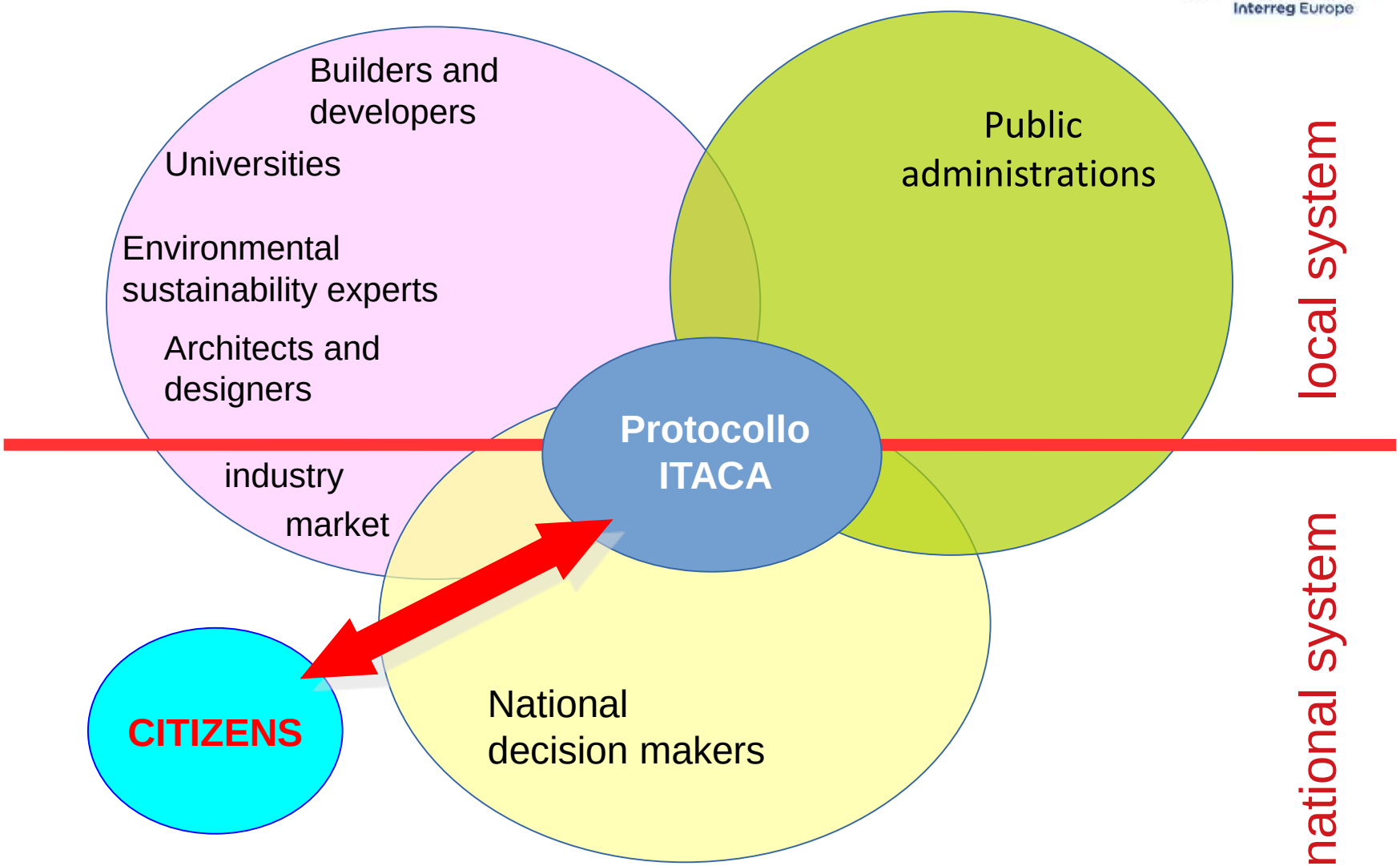
Arch. Paolo Lucattini

8. Features of the system

LC Districts
Interreg Europe

- Complete:
- Open:
- Accessible:
- Rigorous:
- Performance;
- Flexible:
- Contextualised:

9. Stakeholders & Users



LC Districts
Interreg Europe

11. thematic areas

65. criteria

- *51 quantitative*
- *14 qualitative*

11. Structure of the Protocol

11 thematic areas

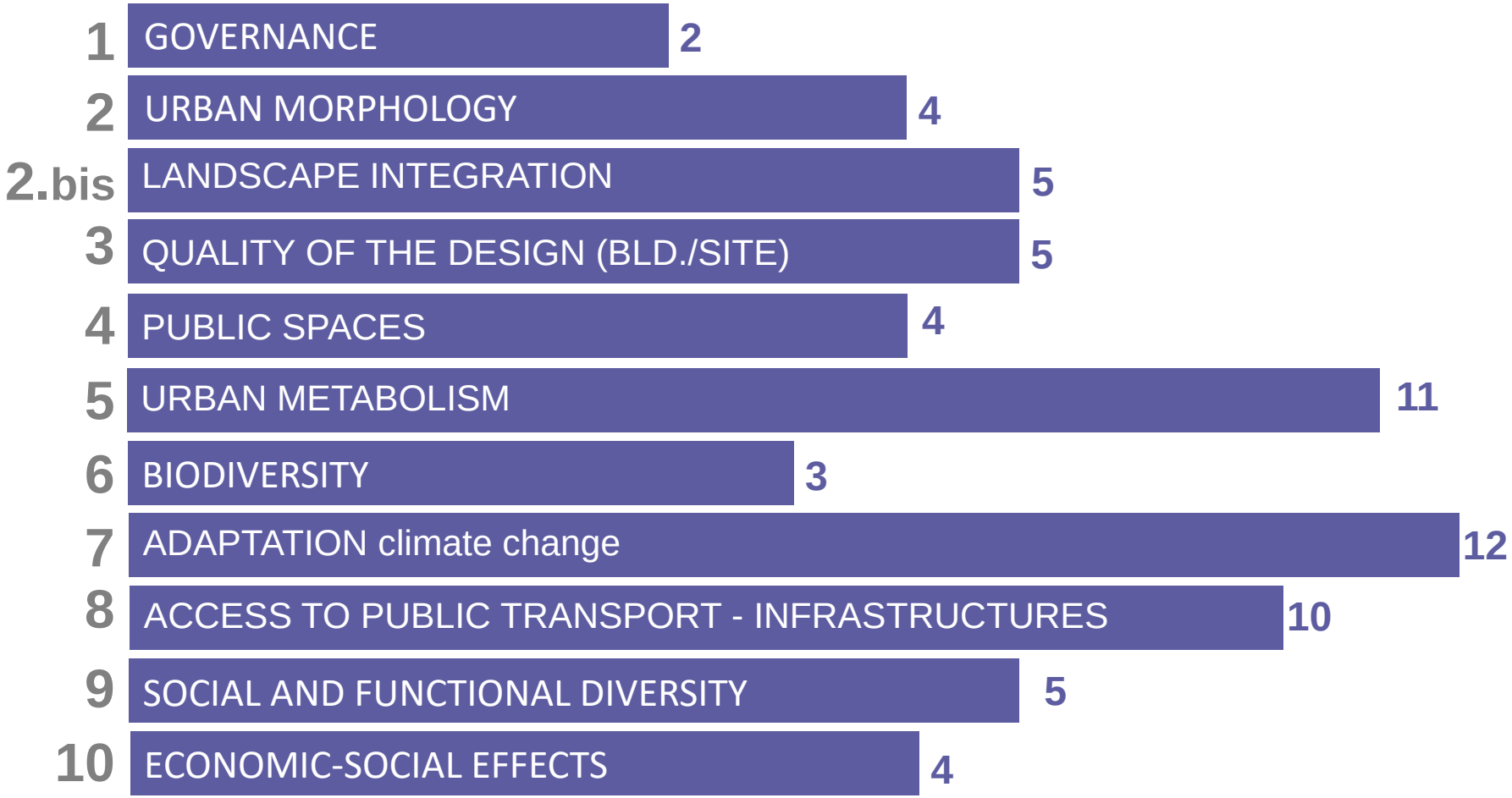
65 criteria

AMBITI DI APPLICAZIONE				SCALA DI APPLICAZIONE			UTILIZZO		INDICATORE	
			Adattamento a eventi estremi di pioggia e rischio idrogeologico							
x	x		7.03.1 Riqualificazione della qualità naturale - regreening	x	x	x	x	x		x
x			7.03.2 Riduzione della pressione edilizia	x	x	x	x			x
	x		7.03.3 Riduzione della quantità di acqua piovana immessa in fogna	x	x	x	x	x		x
x	x	x	7.03.4 Rinaturalizzazione dei corsi d'acqua di qualsiasi categoria	x	x	x	x		x	
	x		7.03.5 Riduzione tendenziale dell'esposizione della popolazione al rischio			x	x			x
x	x		7.03.6 Riduzione del danno negli spazi pubblici aperti	x	x					x
			8. MOBILITA'/ACCESSIBILITA'							
x	x	x	8.01 Connettività della rete stradale	x	x	x		x		x
x	x	x	8.02 Compiessità ciclomatica della rete stradale	x	x	x		x		x
x	x	x	8.03 Scala della rete stradale	x	x	x		x		x
x	x	x	8.04 Accesso al trasporto pubblico	x	x	x		x		x
x	x	x	8.05 Disponibilità di percorsi ciclabili sicuri (in sede protetta)	x	x	x		x		x
x	x	x	8.06 Contiguità dei percorsi ciclabili e veicolari	x	x	x		x		x
x	x	x	8.07 Accessibilità dei percorsi pedonali	x	x	x		x		x
x	x	x	8.07 bis Accessibilità dei percorsi pedonali	x	x	x		x		x
x	x	x	8.08 Accessibilità alla mobilità condivisa	x	x	x		x		x
x	x	x	8.09 Accessibilità ICT	x	x	x		x		x

ITACA

Arch. Paolo Lucattini

12. Criteria Distribution

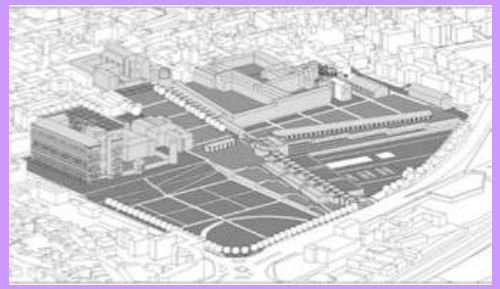


13. Applications Areas

LC Districts
Interreg Europe

SCALE

block

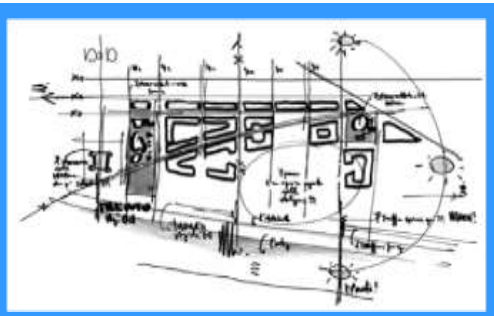


district

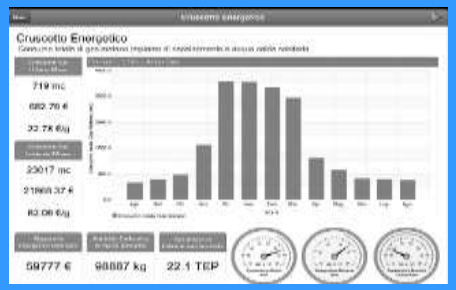
neighborhood

PHASE

existing



project



Monitoring

TOOLS

masterplan

project

ITACA

Arch. Paolo Lucattini

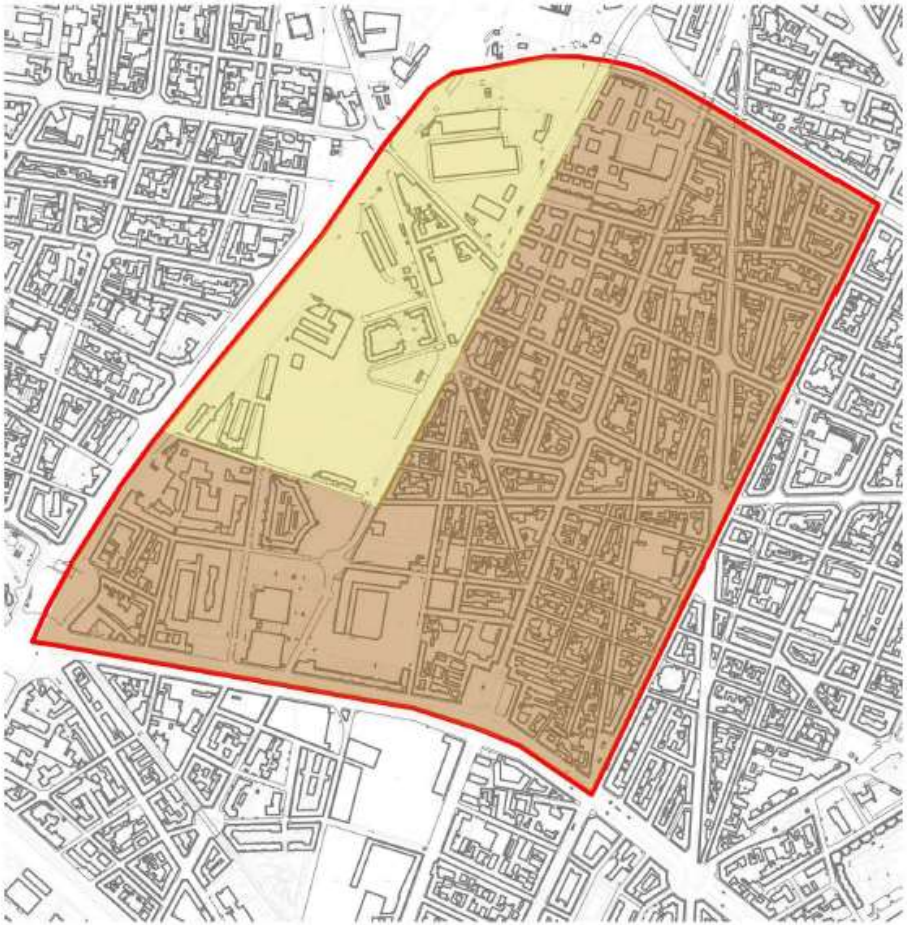
13. Testing area

LC Districts
Interreg Europe

AREA OGGETTO DI ANALISI

AREA DI PROGETTO SPINA 4

AREA EDIFICATA



TORINO *Spina 4*

ITACA

Arch. Paolo Lucattini

14. testing

LC Districts
Interreg Europe

Tuscany Region:
6 areas degradated in 6 different municipalities (medium small cities)

ITACA

Arch. Paolo Lucattini

LC Districts
Interreg Europe

Next activities

- benchmarking;
- weighting of criteria;
- Testing activities;
- Dissemination;

Strategic-outlook

- simplification
- citizen participation
- urban regeneration

LC Districts

Interreg Europe

European Union
European Regional
Development Fund

Thank you!

Link to the video recording:

https://www.screencast.com/t/koxNBq5x

Questions welcome

Project smedia