



CSI-Europe towards 2014 - 2020

Financial Instruments for Cities

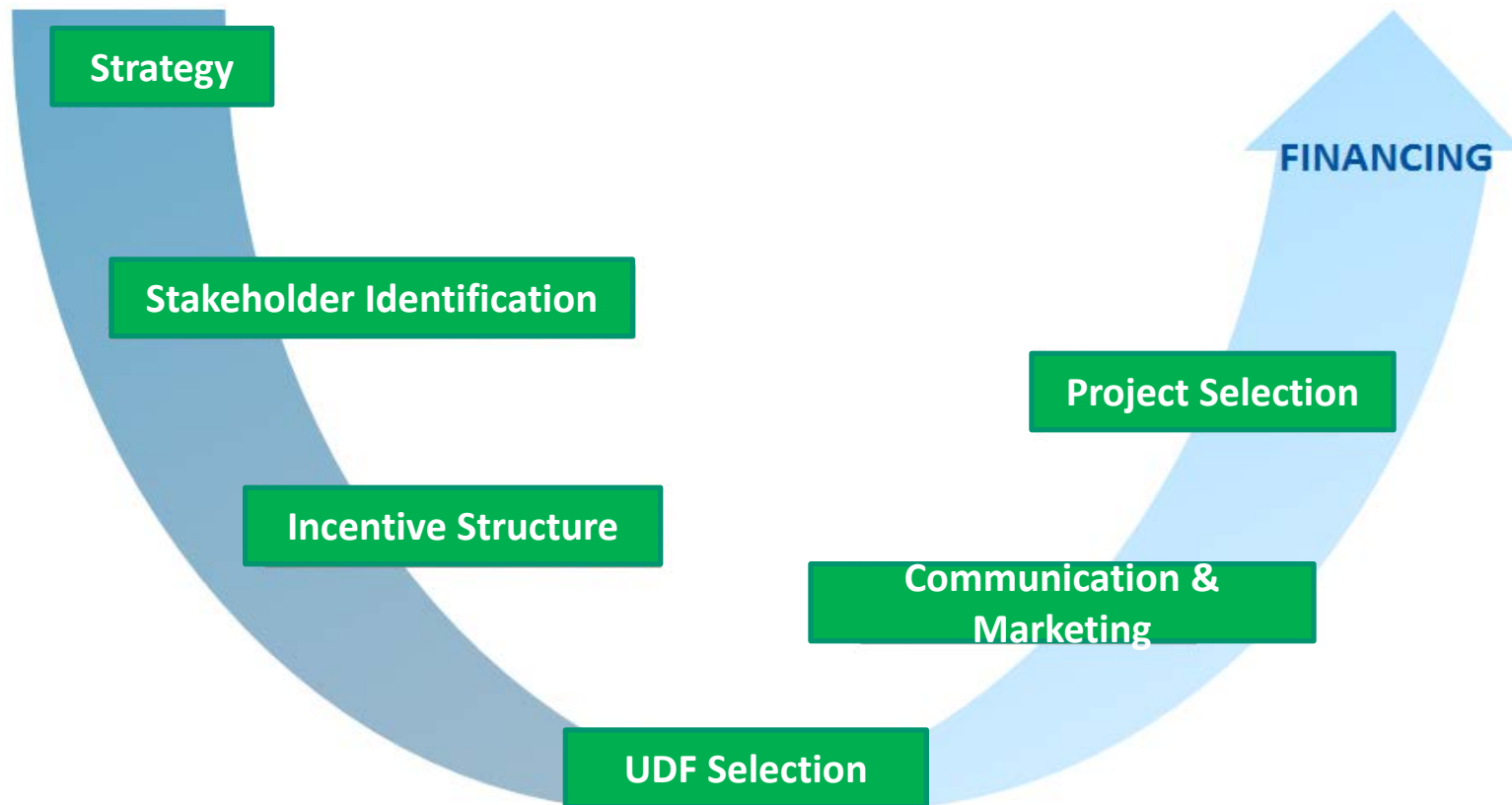
Lessons on Urban Strategies

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JESSICA cycle



Cycle stage	Strategy	Stakeholder Identification	Incentive Structure	UDF Selection	Communication	Project Selection
Success Factors	<ul style="list-style-type: none"> • Clear • Separate • Flexible 	Support from <ul style="list-style-type: none"> • MAs • National Authorities 	Addressing Market Gap <ul style="list-style-type: none"> • Equity-Debt • Co-financing • Pricing 	<ul style="list-style-type: none"> • Ownership • Capacity • Market base 	<ul style="list-style-type: none"> • Effective internal and external communication 	<ul style="list-style-type: none"> • Project pipeline





Renewable Energy

- Solar, biomass, wind



Clean Transport

- Electric vehicles, including automobiles, motorcycles and bicycles
- Fleet management (improvement of energy efficiency)



Energy Efficiency, Co-generation and Energy Management

- Renovation or extension of existing district heating or cooling networks; high-efficiency combined heat and power
- Energy savings/energy efficiency in buildings





Background: JESSICA assists the national strategy aiming at the upgrade of multi-apartment blocks inhabited by the majority of the population

Market gap
Widespread low energy efficiency in housing
Lack of investors
↓
Subsidized loans to private individuals



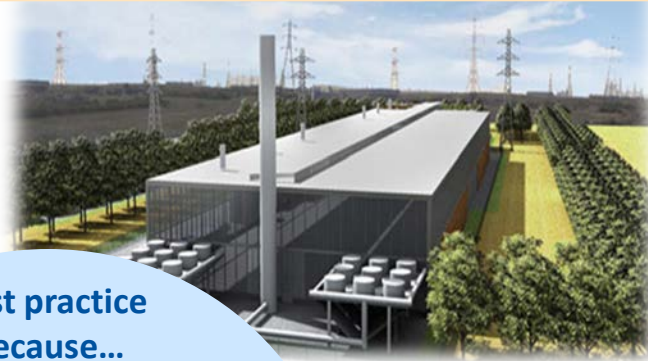
Best practice because...
Significant enhancement of energy efficiency and living standards
Energy safety - energy savings reduce dependence on imports

Paradigm shift:
from grants to financial instruments

Incentive structure
15% loan refund when the energy efficiency level is met



Background: Construction of a £21m organic waste TEG facility in the Sustainable Industries Park in Dagenham, London, UK's largest concentration of environmental industries



Best practice because...

First such plant in London –
lighthouse effect

Brings new life and work
prospects to the remote
brownfield area

Part of the largest urban
regeneration scheme in Europe



Market gap

Shortage of clean-tech growth in
London



JESSICA provides equity acting as
a catalyst for loans

JESSICA in Spain – Public Lighting Replacement in Ponferrada

Background: Replacing street lighting in the city of Ponferrada to improve energy efficiency, in accordance with the national Energy Efficiency and Savings Plan 2011-2020



Best practice because...

Significant reduction in energy consumption and in CO2 emissions

Introduction of new technology

Cost savings of approx. EUR 1 mil. in the first year alone



Market gap

Current solution: inefficient, expensive to maintain, high light pollution



Long-term project – 12y
Preferential interest rate – 50% JESSICA contribution



Background:

Replacement of old-technology public lighting with the LED lamps and the introduction of the intelligent systems of public lighting in the two Sicilian communes of Ribera and Trapani

Best practice because...

Significant reduction in energy consumption and CO2 emissions

Introduction of new technology

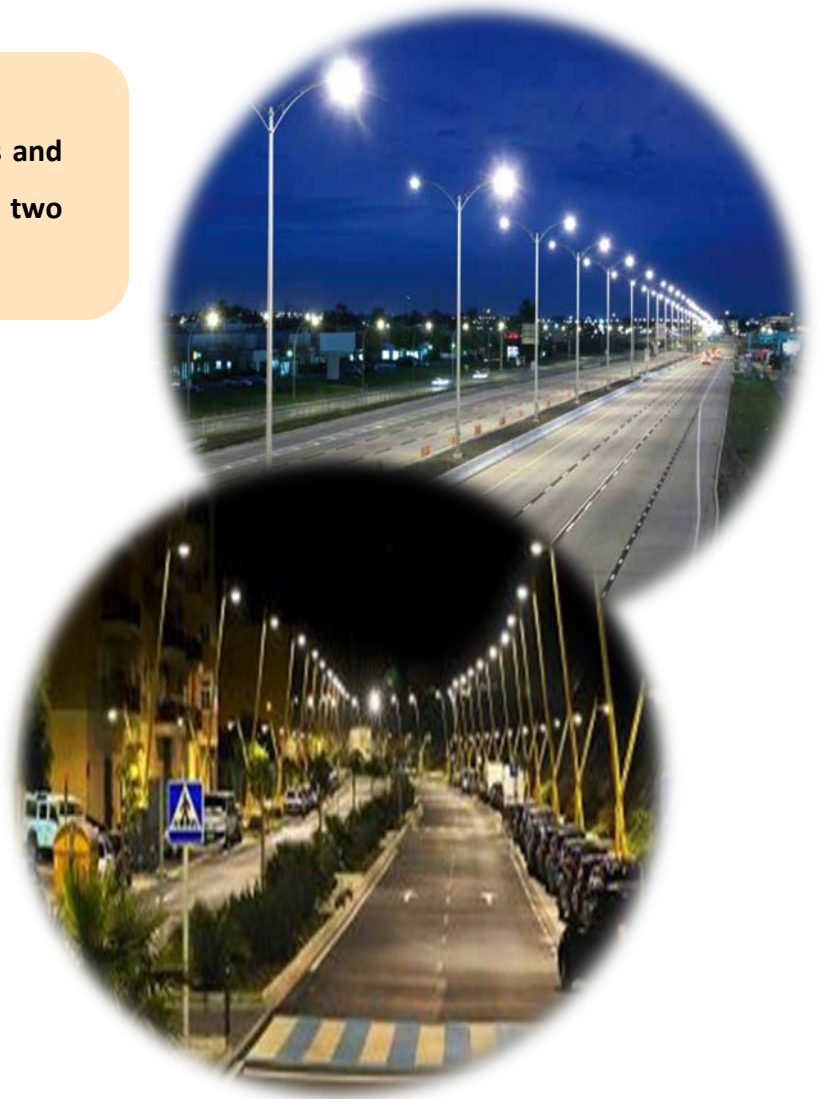
Cost savings

Market gap

Shortage of public lighting that would be efficient, green and inexpensive to maintain



EE lowers exploitation costs – significant savings for the municipalities in a difficult financial situation



JESSICA in Poland – Reconstruction of boiler house and solar installations in Warka

Background:

Reconstruction of gas boiler house, solar installations and system monitoring energy efficiency in two housing settlements in Warka city. Worn-out heating installations resulted in frequent outages and problems of energy supply for inhabitants.



Market gap

Preferential interest rate and long maturity increased the viability of this important energy efficiency investment



Best practice because...

Reduction in energy consumption and CO2 emissions

Lower energy production costs

Energy security for inhabitants

Energy savings of approx. 108,6 MWh/year



Thank you for your attention

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