Horizon 2020 - Smart Cities and Communities

Proposal EC2

Energy for Cities and Communities

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IC2

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Organized by

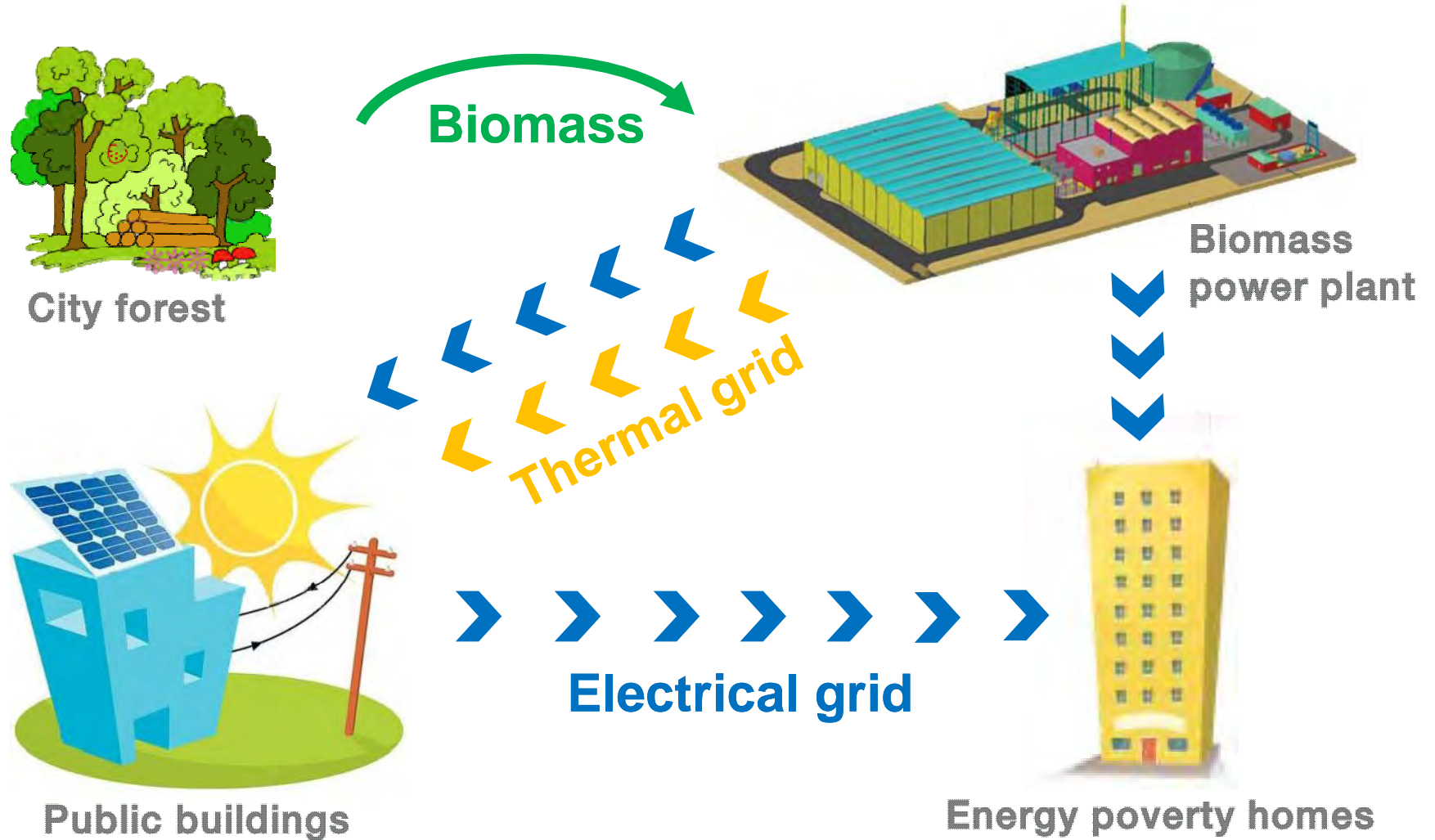ICGC
Institut
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EC₂: Overview

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Biomass

City forest

Biomass power plant

Thermal grid

Electrical grid

Public buildings

Energy poverty homes

EC2: Consortium

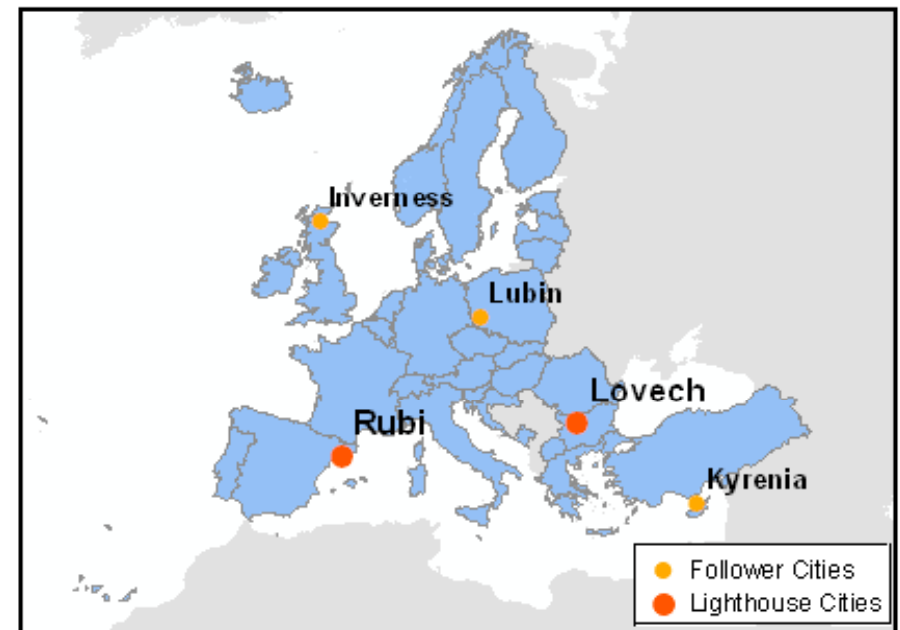IC_Cartotechnology

Topic addressed: SCC 1 - 2014/2015

EC₂: Objectives

Combat cities energy poverty building more efficient cities with predominant exploitation of local resources and the active participation of consumers.

EC2 will accomplish with the UE targets known as "20-20-20" which set three key objectives for 2020:

✓ A 20% reduction in EU greenhouse gas emissions from 1990 levels.

✓ Raising the share of EU energy consumption produced from renewable resources to 20%.
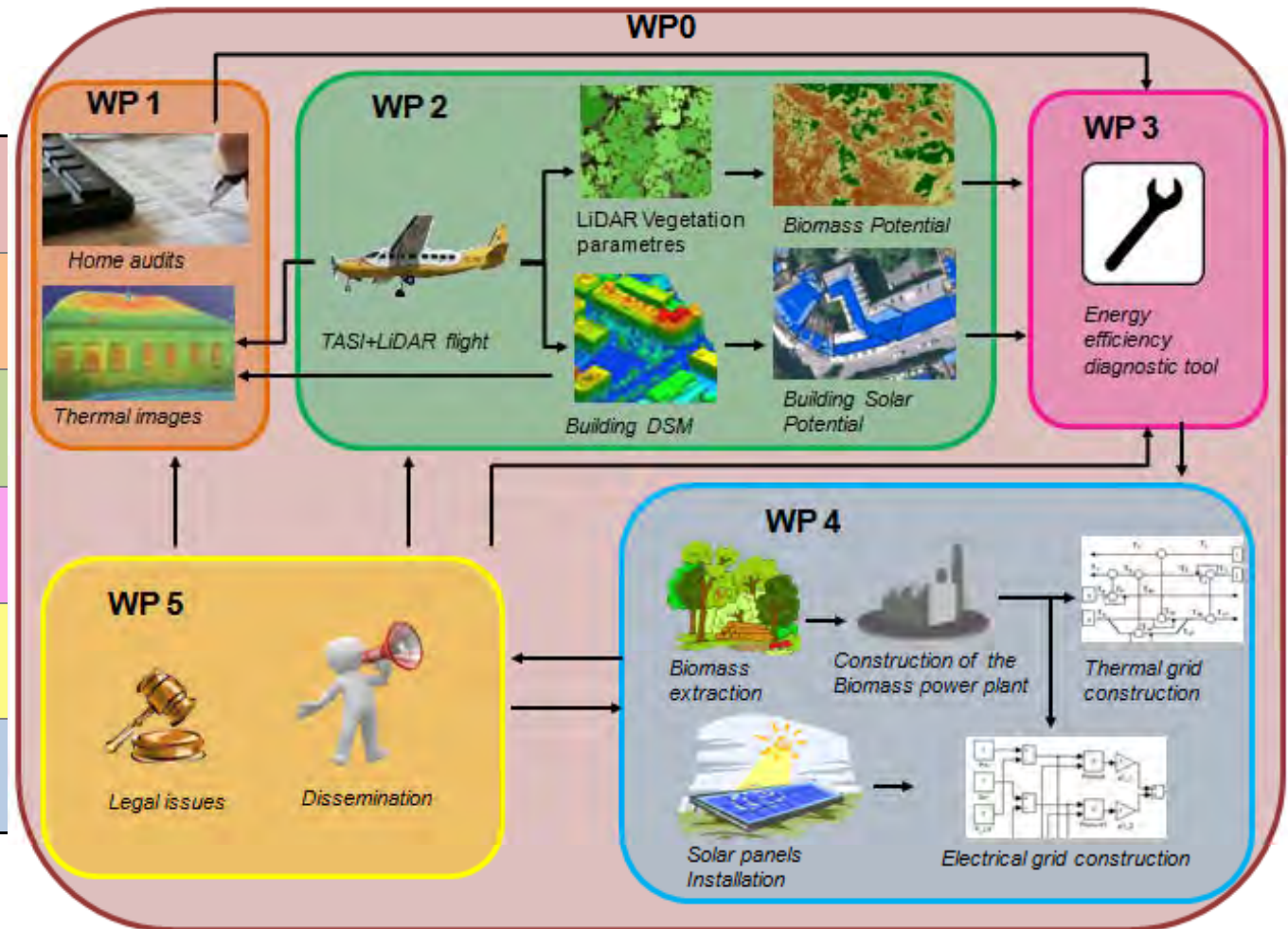
✓ A 20% improvement in the EU's energy efficiency.

EC₂ : Workplan

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TASKS AND MILESTONES

- WP 0: Project management
- WP 1: Energy efficiency
- WP 2: City resources estimation
- WP 3: Energy management
- WP 4: Equipment implementation
- WP 5: Dissemination and legal issues

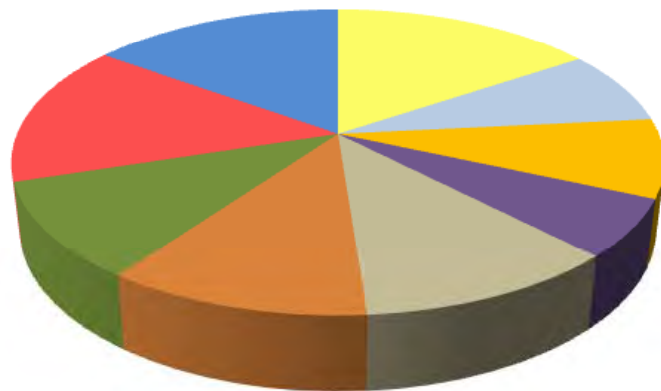# EC₂ : Impacts and Cost-Benefits

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Eliminate the dependency on imported energy resources of the public buildings of the city

Creation of new employment and businesses

Increase the air quality

Reduction of the energy poverty of the citizens

Deploy wide-scale, innovative replicable and integrated solutions in energy

IMPACTS

Figure 1. Distribution of person/month by partner

Direct personnel costs	Other direct costs	Direct cost of sub-contracting	Indirect costs (25%)	Requested Grant
1.005.413 €	214.600 €	10.200 €	900.000 €	**2.130.213 €**

Figure 2. Final Budget