



The RE-GREEN Good Practice Catalogue: Examples of Innovative Green Projects

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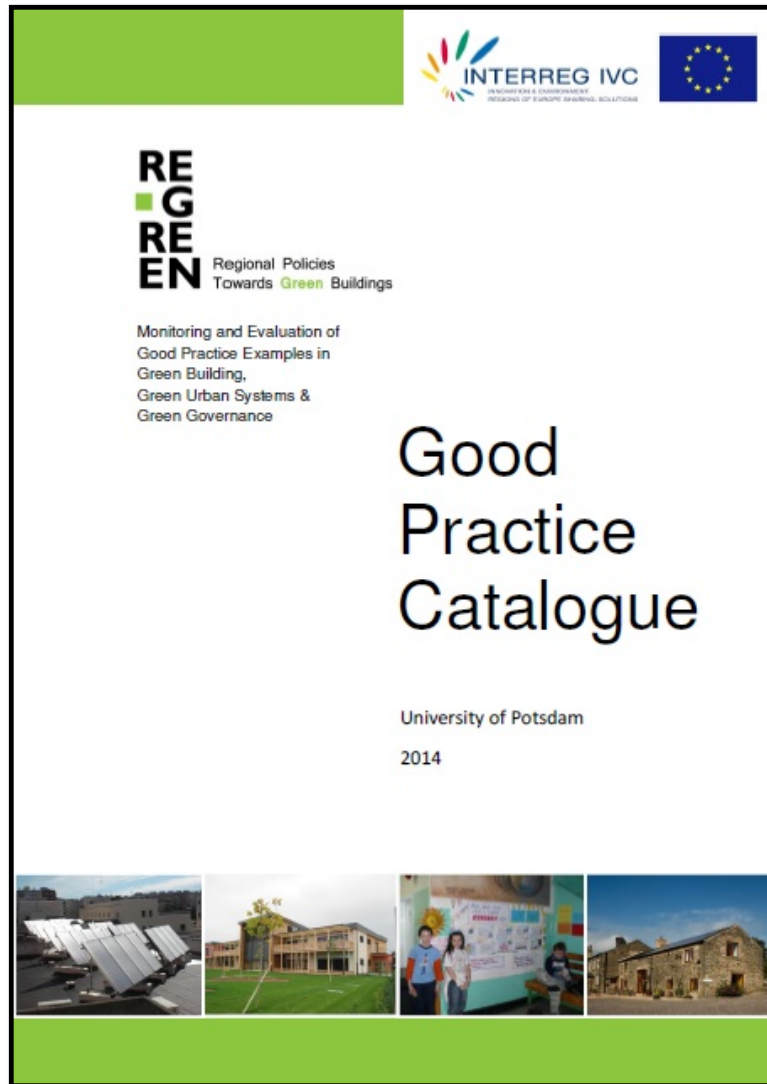
Good Practice Collection

Each partner: 4 examples in the areas of:

- Green Building
- Green Urban Systems
- Green Governance



Between June 2013 and the beginning of 2014



- Transfer knowledge between project partners
- Give insights for green urban development
- Demonstrate how the presented projects were planned & realised, what obstacles occurred and what opportunities & benefits arose

Ptuj: Construction of a Low - energy Kindergarten in Markovci

- Modern, energy-efficient pre-fabricated wood construction.
- Finished in Mai 2013



Southern façade of the Kindergarten in Markovci
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Low - Energy Kindergarten Markovci



Eastern (above) and
western façade
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Low - Energy Kindergarten Markovci: outcomes

Annual energy consumption	32 kWh/m ² /year
Water to water heat pumps	Coefficient of performance (COP) = 4,8
Heat recovery ventilation	Efficiency of recuperation 83 %

The walls of building are made of wood. It's 240 mm thick mineral including a thermal insulation of wool. Thermal transmittance = 0,9 W/m²K

Low - Energy Kindergarten Markovci: Cost

Total cost: **2.438.429 EUR** (1.920.813 £)

- Municipality of Markovci: 75 %
- Government Office for Local Self-Government and Regional Policy: 14 %
- Eco Fund: 11 %

Low - energy Kindergarten Markovci: contact details

<http://vrtec.os-markovci.net>

Dalibor Šoštarič

Local Energy Agency Spodnje Podravje

Extremadura: Connect to Meridà and Badajoz

- 43 charging stations
- > to push the sales of electric vehicles and lead to an increase of electromobility in the region.



Endesa Electric Car
© ENDESA

Connect to Merida and Badajoz actions

- Installation of 18 charging points in Merida and 25 in Badajoz
- Creation of an internet portal
- Establishment of a management centre for electric vehicles (MCEV) in each municipality
- Transfer of two electric vehicles to the City Council for municipal services

Connect to Merida and Badajoz cost

Total amount: **235,950€**, VAT included

- 60% - City Councils own funds
- 40% - Regional Government, grants from the Action Plan 2012/2014 of the Integral Strategy for Promoting Electric Vehicles in Spain

Connect to Merida and Badajoz: outcomes

Outcomes during the 1st year of operation

User cards requested	19
Energy used annually in charging points	1662 kWh (/charging point)
CO ₂ saving	1246 kg
Other benefits	boost in sales of electric vehicles which consume 50% less energy than a normal car

Connect to Merida and Badajoz contact details

<http://www.conectateameridaybadajoz.es>

RE-GREEN partners

Ramón Benítez González &

Martín Cobos Rodríguez

AGENEX

Extremadura Energy Agency

Examples from Sheffield

- Green Directions (Mark Woodward)
- 2, St. Pauls Place
- Emerson Energy Efficient Supermarkets
- Sustainable drainage in Manor and Castle Green Estate



Mark Woodward
© Green Directions



2, St. Paul's Place
© Philip Vile

Conclusion

- Various innovative actions towards sustainable building and beyond
- Strengthen the link between Green Building and Green Urban Systems
- Contribution to enhancement of policies towards green buildings and its related fields in partner cities and regions