



**ENI
CBCMED**
Cooperating across borders
in the Mediterranean



Project funded by the
EUROPEAN UNION



**REGIONE AUTÒNOMA DE SARDIGNA
REGIONE AUTONOMA DELLA SARDEGNA**



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ENERGY TECHNOLOGY BENCHMARK



CAPENERGIES, A RESPONSIVE AND COMMITTED NETWORK



530

PARTICIPANTS

- Companies
- Research & training structures
- Finance organisations
- Local authorities, institutions & associations

1,800

SPECIALIST PARTNERS IN THE ENERGY SECTOR

Europe:

- 3 MoUs
- An international network of 60 partners in the Euro-Mediterranean area

4

TERRITORIES + Monaco

- PACA region
- Corsica
- Guadeloupe
- Reunion Island
- Principality of Monaco

Projects

703 accredited projects
A budget of €1,480 million for accredited projects
389 projects funded
€486 million is subsidies
140 products placed on the market

Growth of SMEs*

+3.7% turnover over 2 years
+ 17% rise in workforce

**For a selection of members*

Jobs in the territories

+ 50,000



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A STRATEGY FOR INNOVATION IN SYNC WITH THE ENERGY TRANSITION ACT



REDUCE CARBON EMISSIONS AND IMPROVE ENERGY EFFICIENCY

- Transport
- Construction sector and urban ecosystem
- Industry and infrastructures



OPTIMISE AND SECURE LOCAL ENERGY SYSTEMS

- Towns
- Mountains, islands and tourist areas



PRODUCE LOW-CARBON ENERGY

- Renewable energy
- Nuclear energy

FLEXGRID: PROGRAMME FOR THE LARGE-SCALE DEPLOYMENT OF OPTIMISED ENERGY SYSTEMS (REI)

- ◆ **A joint public-private programme (2016-2022)**

supported by the South region and managed by Capenergies to foster a economic ecosystem of territories and companies

- ◆ **43 territorial projects**

divided into 4 categories to cover 20 types of application

- ◆ **6 cross-disciplinary actions:**

Mobilising society to adapt to changes, mobilising and supporting companies, encouraging international actions, training, data platforms, cyber-security



Smart Economy and Smart Industry

Production EnR, optimisation et flexibilité énergétiques de sites économiques clés.

Aéroport, entrepôt frigorifique & logistique, data center, sidérurgie, serre agricole, école/université, gare TGV, hôtel, hôpital...

Smart City and Smart Territory

Autoconsommation EnR, optimisation et flexibilité énergétiques de villes et territoires clés.

Station de montagne, quartier solidaire, quartier des villes côtières, territoire rural urbain, territoire fluvial, territoire protégé, site isolé, île, éclairage public...

Socles Smart Grids RTE et ENEDIS

Smart Renewables Energies

Producers

Complémentarité entre EnR et flexibilité des productions.

Centrales virtuelles, synergies EnR/Gaz

Smart Mobility

Hypervision et pilotage limitant les impacts réseau et privilégiant les EnR.

Partage d'énergies, véhicule to grid, blockchain.

Alimentation avec des EnR.

Flexgrid data: 6 cases

MEDITERRANEAN SUSTAINABLE BUILDINGS : Envirobat BDM

envirobat**bdm**

300 criteria on 7 categories, specific to
Mediterranean climate

- Territory and site
- Materials
- Energy
- Water
- Comfort and health
- Society and economy
- Project management

Another label: Mediterranean Sustainable Districts
(QDM)







Hotel communautaire Le Grand Sud - Cogolin

MEDITERRANEAN SUSTAINABLE BUILDINGS : Envirobat BDM

envirobat**bdm**

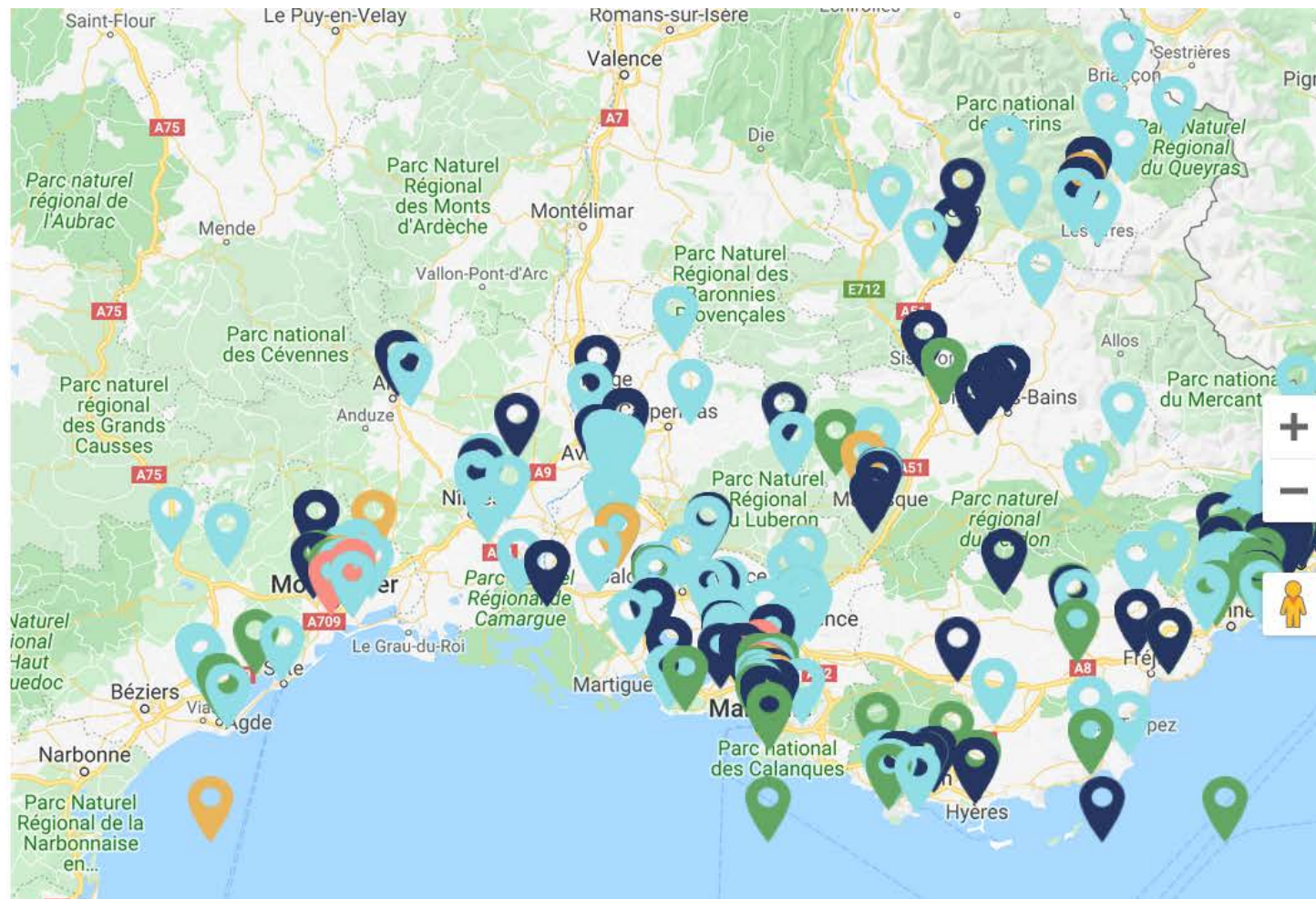
-  Enseignement
-  Maison individuelle
-  Tertiaire
-  Réhabilitation en site occupé
-  Habitat collectif
-  Process

Médaille BDM

-  CAP BDM
-  BDM Bronze
-  BDM Argent
-  BDM Or

Phase de l'opération

-  Conception
-  Réalisation



PUBLIC BUILDINGS IN NICE : NICE FLEX AZUR PROJECT

Experiment the electrical flexibility applied to the buildings of the Metropolis and the City of Nice.

Objectives:

- Optimize the electrical consumption of buildings across the territory.
- Reduce energy costs.
- Prepare the integration of renewable energies.

The experiment involves 20 buildings

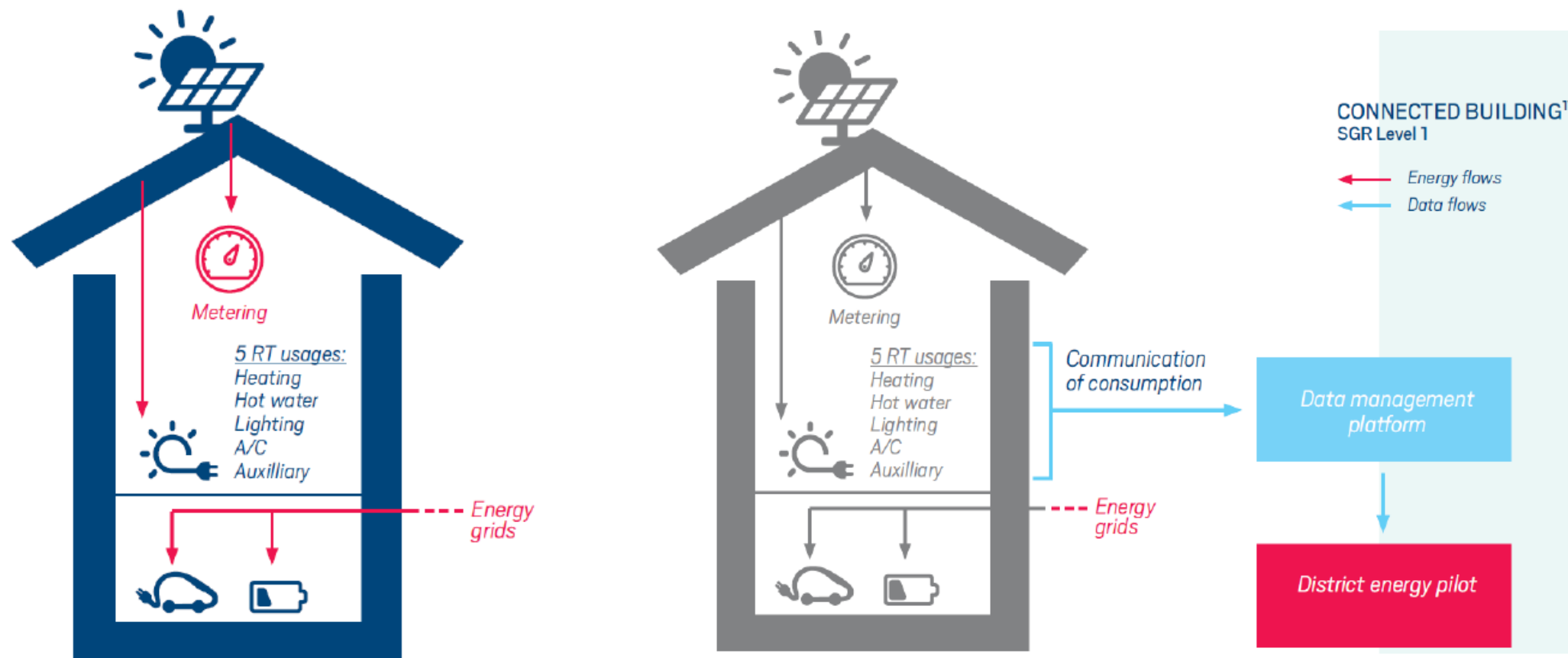
-> transfer of knowledge to hotels industry

Technical management of existing buildings (BEMS)

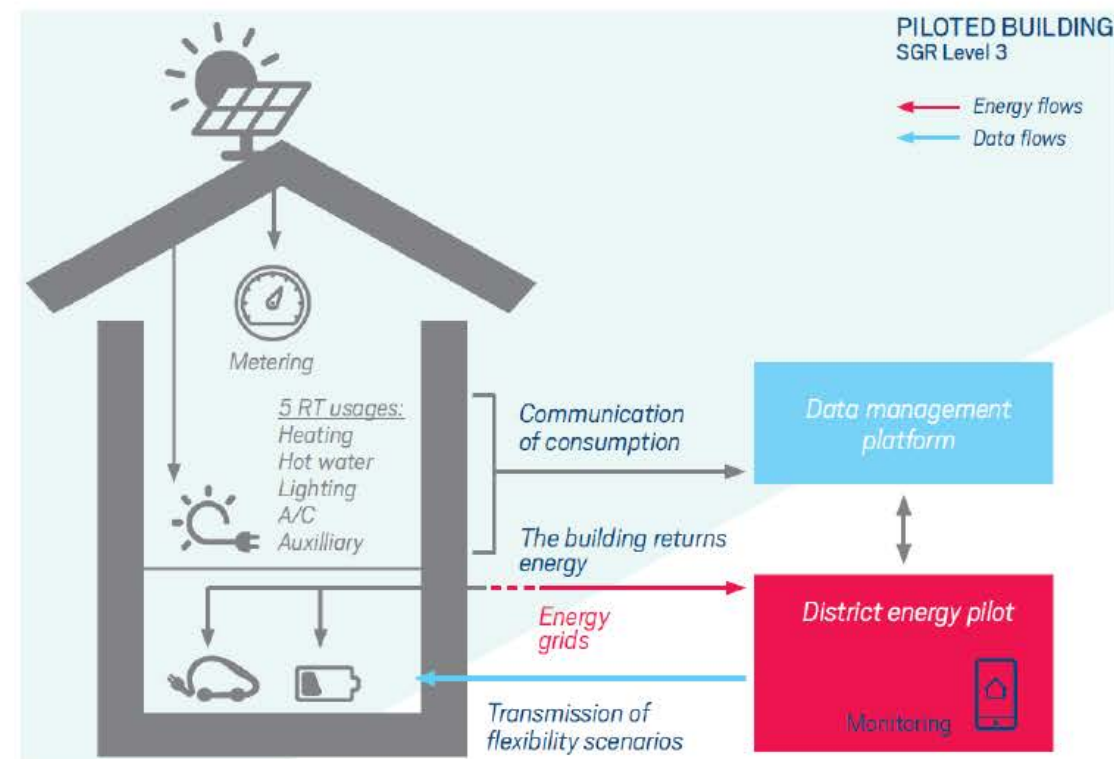
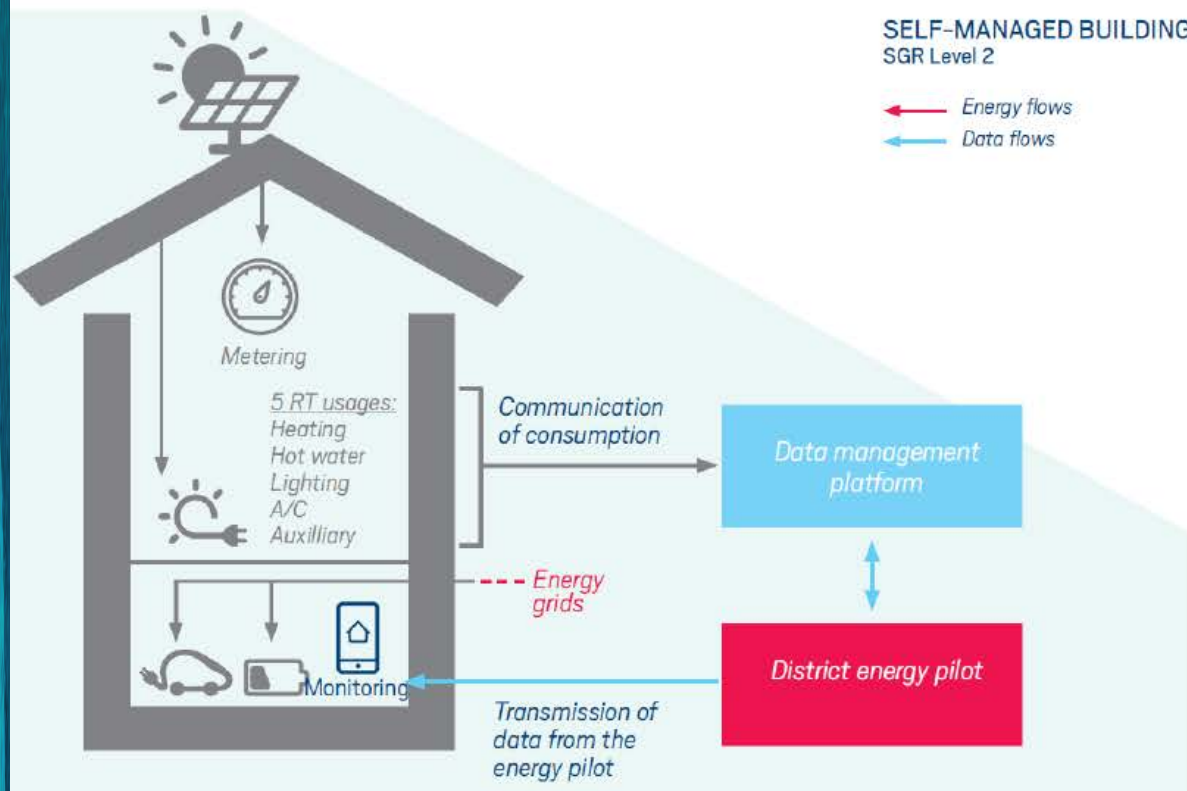
Existing TIC infrastructure of the community



SMART GRIDS READY BUILDINGS



SMART GRIDS READY BUILDINGS



Source: Smart Grid Ready Building recommendations



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MANY THANKS!

