

Pitch presentations by Living Labs and Testbeds with validation capabilities

- 10:00 Intro to the session: B2Match presentation and guidance on how to use it, *Kristina Starborg, SWEA, Sweden*
- ~~10:10 Smart Grid Lab - Proofing the distribution grid of the future, *Jonas Graf, University of Stuttgart, Germany*~~
- 10:20 Regulatory Confusion, Utility Level Disruption & Citizen Confidence, *Dudley Stewart, Tallaght Smart Grid Test Bed, Smart MPOWER, Ireland*
- 10:30 Community Management Tools, *Fatuma Ali-Will, Grid Singularity Exchange Germany*
- 10:40 **Renewable Energy Communities and innovative governance models: self consumption + demand-response + ancillary: creating value for local development, *Sergio Olivero, Renewable Energy Community "Energy City Hall", City of Magliano Alpi, Italy***
- 10:50 Green Energy Lab - Benefit from our support for your RDI Project, *Lisa Wolf, Green Energy Lab, Austria*
- 11:00 Smart Energy Applications (SEAp) - Opportunities for CETPartnership Joint Call 2023, *Lars Quakernack, SEAp- Smart Energy Applications, Bielefeld University of Applied Sciences, Germany*

10min break

Renewable Energy Communities and innovative governance models

Creating value for local development

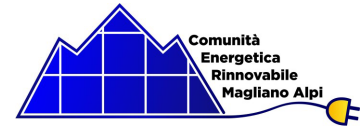
Sergio Olivero

October 4th, 2023



Renewable Energy Communities (REC):

Magliano Alpi and follow-ups



- December 2020: the **first** Italian **Renewable Energy Community (REC)** was founded in the City of Magliano Alpi <https://cermaglianoalpi.it/> with the scientific support of the Energy Center of the Politecnico di Torino



Magliano & Friends

- 2021-2025: **Magliano&Friends** initiative, a **network of Italian Municipalities** who share expertise and know-how to create new RECs (starting from the end of 2023 the Italian Government will make **€ 2,2 BILLION** available to support RECs in cities with less than 5,000 inhabitants) <https://www.comune.maglianoalpi.cn.it/DettaglioNews?IDNews=220329>



This endeavour led to the **CONCERTI** Project <https://progettoconcerti.it/>



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Magliano & Friends

Energy Communities: creating value to be locally shared



incentives on shared energy

energy governance
fiscal benefits
eMobility (G2V & V2G)
trading
ancillary services
flexibility/storage
demand response
data for ESG

Bankable Business Plans

Value creation

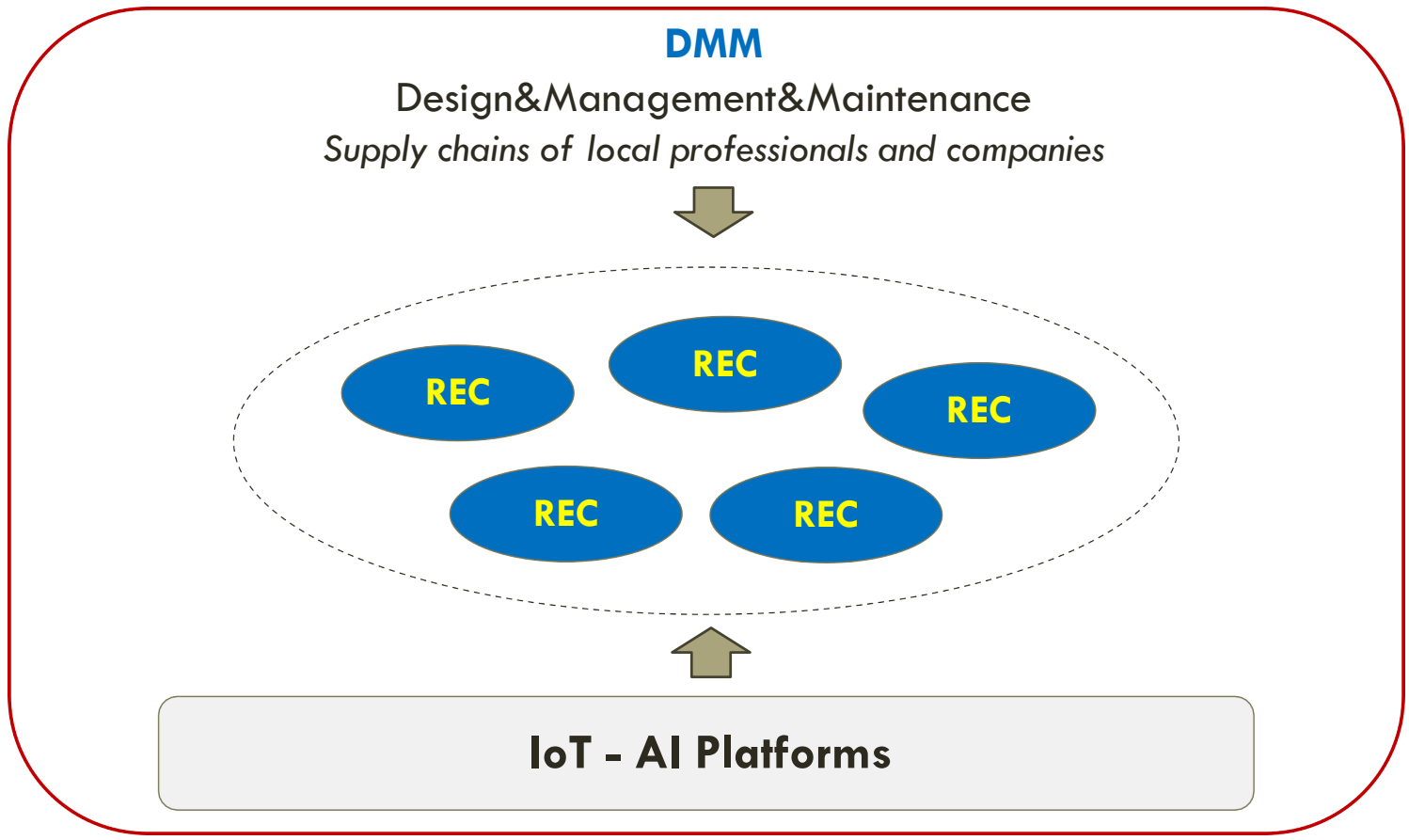
Value sharing

Communities of RECs (**RECOM**): clustering RECs for a «one-stop-shop»

Investors

Public funds

eMobility



RECOM

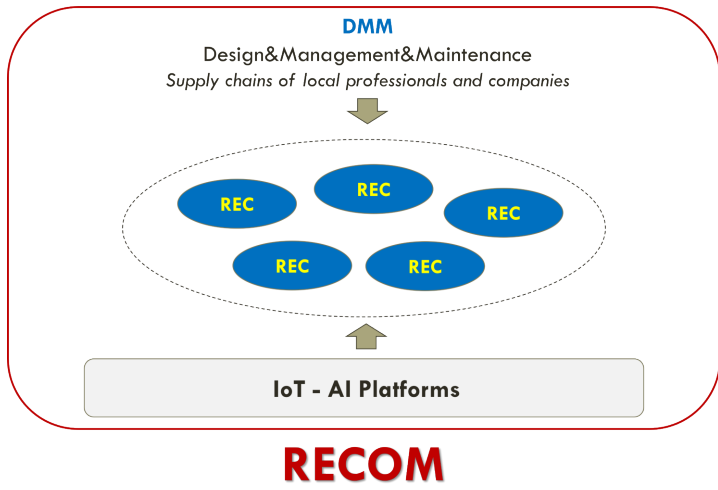
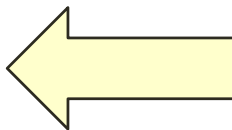
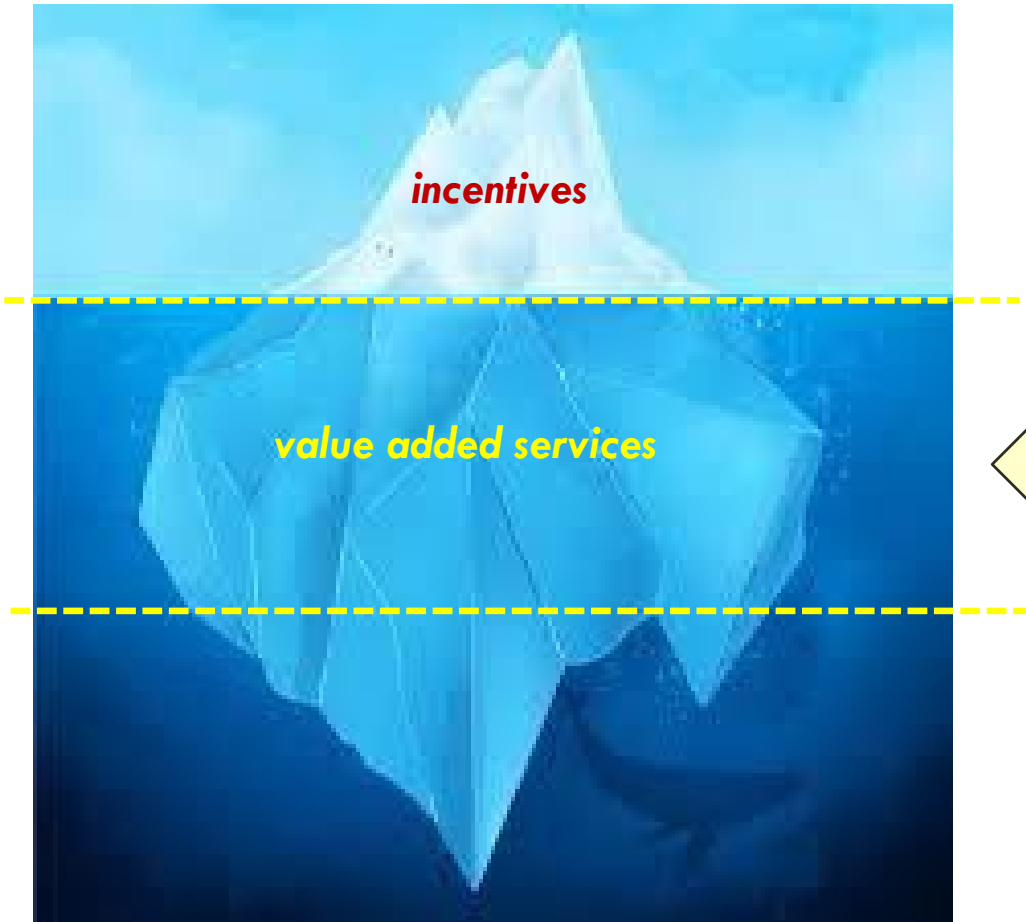
High-level **technical know-how**, **smart platform** and **operational capacity** are necessary for **REC management**

We should not multiply management structures for the sake of efficiency and economy of scale

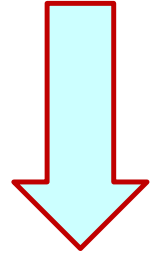
RECOM is a private company aiming at **clustering** and **managing** REC, providing *one-stop-shop* for investors

A RECOM is a «**Virtual Energy Company**» (VEC)

Communities of RECs (RECOM): value creators for «energy democracy»

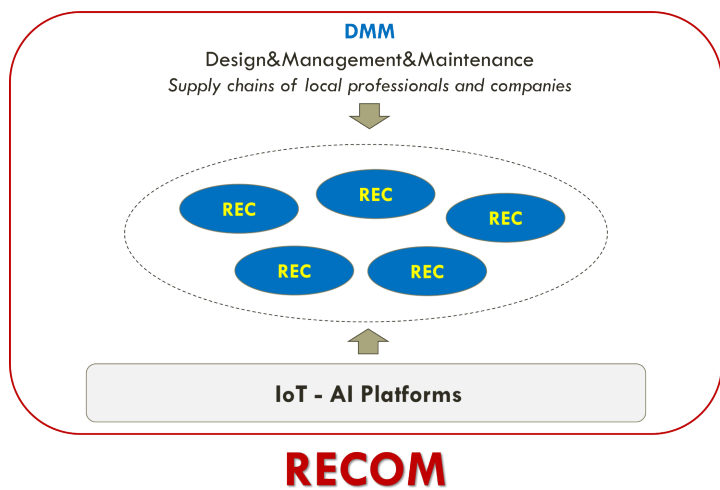


RECOM leaves locally the value created by energy transition



This will imply the redesign of the business models of energy utilities

RECOM: main typologies



Existing clustering entity (private law company), **with** operational capacity in the field of energy

Existing clustering entity (public body or private law company), **that is activating** operational capacity in the field of energy

Clustering entity (public body or private law company), **that started the process of creation** of operational capacity in the field of energy



Best practice #1: **ENERBIT**

ESCO (*private law company*) 100% owned by the Province of Biella (public body) which acts on behalf of 64 associated Municipalities

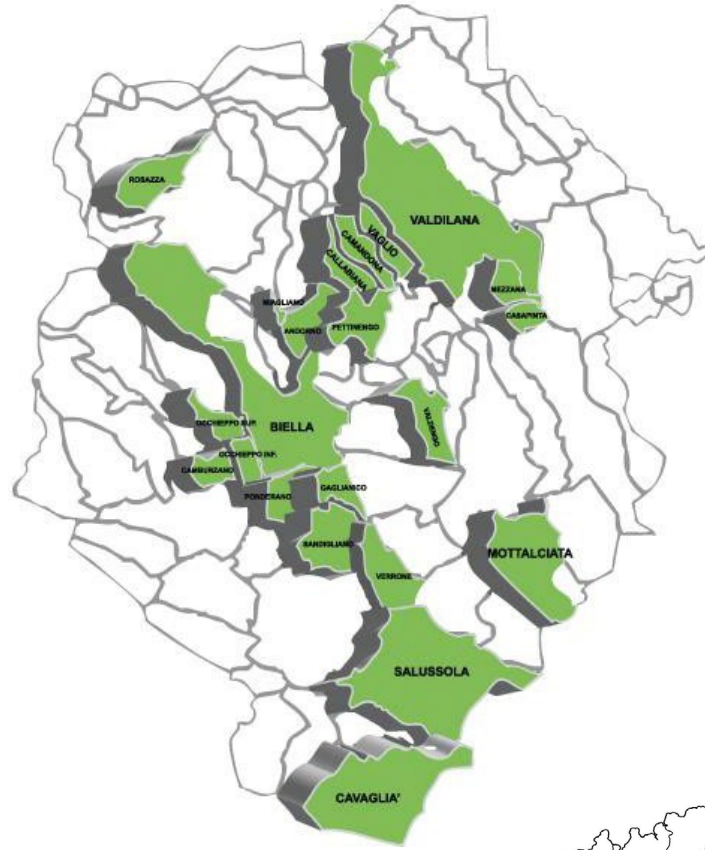
Enerbit started **feasibility studies for RECs** (11 MW of installed new PV power expected (as of July 2023, with **green background** you can find the Municipalities already involved)

Coordination of Municipalities for public tenders

One-stop-shop for investors (PV and hydropower)

Enerbit decided to act as "**CET**" in the period 2023-2026

Focus on **eMobility&CERs**



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www.enerbit.it/wp-content/uploads/2022/07/P-A-C-E.pdf

Scientific and technical support by



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Best practice #2: **RECOCER**

RECOCER is promoted and managed by the “*Comunità Collinare del Friuli*” (**CCF**), a **public body** clustering 15 Municipalities

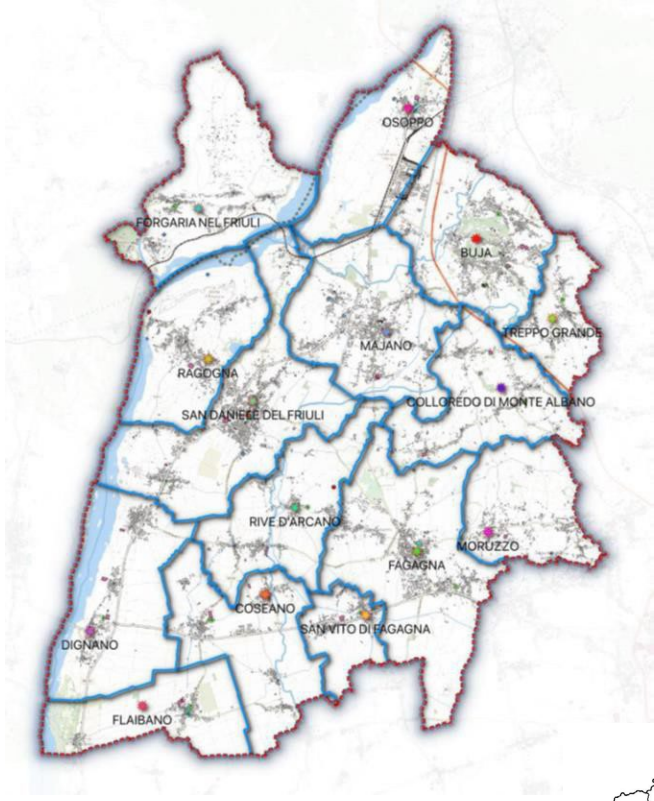
RECOCER obtained **€ 5,4 million (2021-2024)** from the Autonomous Region of Friuli Venezia Giulia

RECOCER started **feasibility studies for RECs** (2 MW of installed new PV power on *public* surfaces + 20 MW on *private* surfaces expected (as of July 2023)

Coordination of Municipalities for public tenders. **One-stop-shop** for investors (PV and hydropower)

The **CCF** decided to act as “**CET**” in the period 2023-2026

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Best practice #3: **CERTo**

CERTo is promoted and managed by the **Chamber of Commerce of Turin** with the active support of all local associations of private companies

Totally **private** initiative

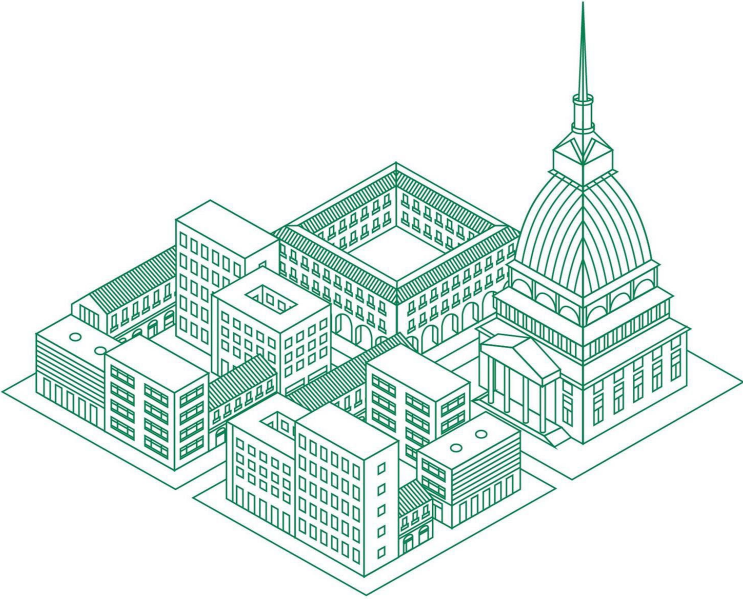
€ 100 million investment

CERTo is designing and activating a series of RECs in the urban and metropolitan areas of Turin

CERTo is creating a **CET** in order to manage all RECs that will be activated in the area of Turin

A digital **IoT-AI platform** is being developed

Focus on **eMobility&CERs**



<https://www.to.camcom.it/progetto-certo-comunita-energetiche-rinnovabili-per-il-torinese>

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Best practice #4: **CONCERTI**

The project **CONCERTI** is promoted and managed by the **Irrigation Consortium BMDS**

The Consortium dated back to 1470 A.D. and is currently moving from traditional “*flowing water*” irrigation to **pressure pipes** [€ 76 million were awarded to create the infrastructure, also implying 2 MW hydropower production]

The Consortium is a **private-law company**, owned by 16 Municipalities and actively cooperating with SMEs

The Consortium BMDS is creating a **CET** in order to manage all RECs that will be activated in the area of the Province of Cuneo

A digital **IoT-AI platform** is being developed. **Testing is ongoing**

New **public-private partnership** opportunities



The Magliano Alpi is one of the Cities partner of Consortium BMDS



CONCERTI

<https://progettoconcerti.it/>

Promoted and managed by



**Irrigation Consortium
BMDS**

Technical partners



THANK YOU FOR YOUR
ATTENTION

Sergio Olivero

Head of Business&Finance Innovation



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in the business environment» Member of the
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Alpi's REC Coordinator of
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