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Spain: national replication context

This annex summarises key national regulatory and market conditions relevant to replicating FEDECOM in Spain. It complements Chapter 7 of the [FEDECOM Replication Playbook](#) and [Online Self-Assessment Tool](#) by providing country-specific details on legal and regulatory frameworks impacting FEDECOM solution implementation. This information is current as of 2025 and is intended as guidance only — users should consult local experts and authorities to confirm regulatory feasibility.

In Spain, the regulatory framework recognises only a dynamic sharing coefficient for collective self-consumption. While this is the only allocation option available, the coefficient must be defined *ex ante* and can be updated only up to four times per year. This limited update frequency significantly restricts adaptability and represents a constraint for solutions such as FEDECOM, which rely on more frequent and responsive allocation mechanisms.

Step 1. Ability to perform individual self-consumption

1.1 Individual self-consumption framework in place

- **Framework in place:** Yes ●
- **Legal framework:** Royal Decree No. 244/2019
- **Comment:** Individual self-consumption is fully enabled. Surplus electricity may be injected into the grid under regulated compensation mechanisms.

Step 2. Ability to create an energy community

2.1 Creation of a Renewable Energy Community

- **Framework in place:** Partially ●
- **Legal framework:** Royal Decree-Law No. 23/2020
- **Comment:** Renewable Energy Communities are legally defined. Full operational and incentive frameworks remain under development.



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2.2 Creation of a Citizen Energy Community

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Citizen Energy Communities are not fully transposed into national law.

2.3 Creation of a CSC arrangement

- **Framework in place:** Yes ●
- **Legal framework:** Royal Decree No. 244/2019
- **Comment:** Collective self-consumption arrangements are operational. Distance and grid-connection constraints apply.

Step 3. Ability to engage in energy sharing (CSC)

3.1 Process to register an energy sharing scheme

- **Framework in place:** Yes ●
- **Legal framework:** DSO registration procedures for collective self-consumption
- **Comment:** Energy sharing schemes must be registered with the competent DSO. Participant and installation data must be declared.

3.2 Energy sharing coefficient available

- **Framework in place:** Yes (static) ●
- **Legal framework:** Collective self-consumption implementation rules
- **Comment:** Energy sharing coefficients must be predefined. Dynamic coefficients are not supported.

Step 4. Ability to create an inner-community P2P market

4.1 Price differentiation within the community

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Community members cannot freely define internal electricity prices.



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4.2 Availability of the dynamic sharing coefficient

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Dynamic or real-time sharing coefficients are not permitted.

4.3 Ability to communicate the coefficient ex-post

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Ex-post modification or communication of coefficients is not allowed.

4.4 Alignment between the frequency of sharing coefficient communication and the timing of ex-post communication

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** No regulatory mechanism aligns coefficient updates with settlement timing.

Step 5. Ability to enable inter-community energy exchange

5.1 The ability to create a structure covering several energy communities sets

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** Multi-community or federated energy exchange structures are not recognised.

5.2 Consistency between these requirements and CSC rules

- **Framework in place:** No ●
- **Legal framework:** No dedicated legal instrument
- **Comment:** CSC rules apply only to single-community configurations.

5.3 Recognition of the hierarchical allocation method

- **Framework in place:** No ●



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- **Legal framework:** No dedicated legal instrument
- **Comment:** Hierarchical allocation methods are not recognised.