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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.
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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.
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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.
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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.
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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.