

Joint Seminar on Community-led Local Development and Smart Villages as Innovative Tools for Effective Development of the Rural Areas

Galician Smart Small Villages

27th-28th October 2022
Lednice Czech Republic



Galicia

Population: 2.691.557 inhab.

Area: 29,574 km²

Population density: 91 inhab/km²

Gross Domestic Product per capita: 21.903€

(Spain: 25.500€)

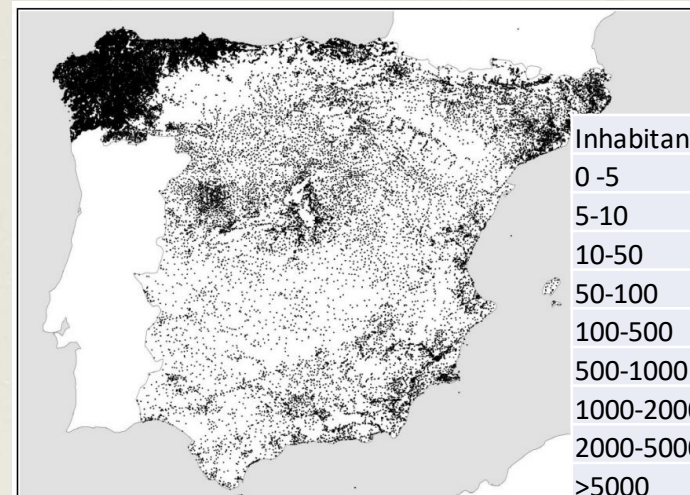
Strong need to increase Utilised Agricultural Area

(≈20% vs. 30-40% in Spain and EU)

≈ 30.000 population settlements

48% of spanish settlements

80% <50 inhab



Inhabitants	Nº settlements	% settlements
0 -5	6.859	22,9
5-10	4.584	15,3
10-50	12.484	41,6
50-100	3.246	10,8
100-500	2.420	8,1
500-1000	192	0,6
1000-2000	91	0,3
2000-5000	65	0,2
>5000	55	0,2



Land Tenure complexity:

11.000.000 rural land plots (28% of Spanish rural plots)

1.600.000 owners (2/3 of Galician inhabitants)

621.000 ha Utilised Agricultural Area (\approx 20% vs. 30-40% in Spain and EU)



primary sector, key to regional development



Strong demand for utilised agricultural area



> 500.000 ha abandoned or underexploited farmland



Expected impact of recovering 500.000 ha of abandoned land

	MEASURE UNIT	IMPACT
Mobilized rural land	Area (ha)	512.308
Direct impact on the primary sector	Production (million €)	611,3
	Gross Added Value (million €)	342,7
	Jobs (nº)	9.168
Impact on Galicia Economy	Production (million €)	1.053,5
	Gross Added Value (million €)	482,9
	Jobs (nº)	15.387

Corbelle-Rico E., Sánchez-Fernández P., López-Iglesias E., Lago-Peñas S., Da-Rocha J-M. (2022). **Putting land to work: An evaluation of the economic effects of recultivating abandoned farmland.** *Land Use Policy*, 112, 105808.



Galician Act 11/2021 on the recovery of agroforestry land

Galician Act on the Recovery of Agroforestry Land

| Main objectives



**Increase and improve
agricultural and forestry
activity & land management**



**Abandoned land
recovery**



**Increase of Utilised
Agricultural Area**



**Avoid abandonment of
land and farms**



Stop depopulation



**Better quality of
life**

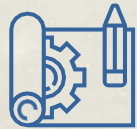


Facilitate access to land



Food security

A new approach to old problems



Land use planning and management

Agricultural and forest land catalogue
Agroforestry land use map



Procedures

Declaration of land abandonment
Research of farmland tenure (owners) and management of land of unknown owners



Instruments for Land mobilization

New push for Land Bank of Galicia
Creation of Bank of Farms
Exchanges of plots of special interest for agriculture



New instruments for land recovery

Model Villages
Agroforestry Parks/areas
Joint management associations



Galician Act on the Recovery of Agroforestry Land

NEW INSTRUMENTS



MODEL VILLAGES



**AGROFORESTRY
PARKS/AREAS**



**JOINT MANAGEMENT
ASSOCIATIONS**

Galician Act on the Recovery of Agroforestry Land

Model Villages & Smart Villages



Galician Act on the Recovery of Agroforestry Land



MODEL VILLAGES

Recovery of abandoned farmland surrounding the population settlement

Land owners rent out their plots to a farmer through the Land Bank of Galicia

Regional Government carries out the farmland preparation and build facilities (fences, barns,...)

- ✓ Promoting economic activity
- ✓ Reduction of forest fire risk
- ✓ Food security

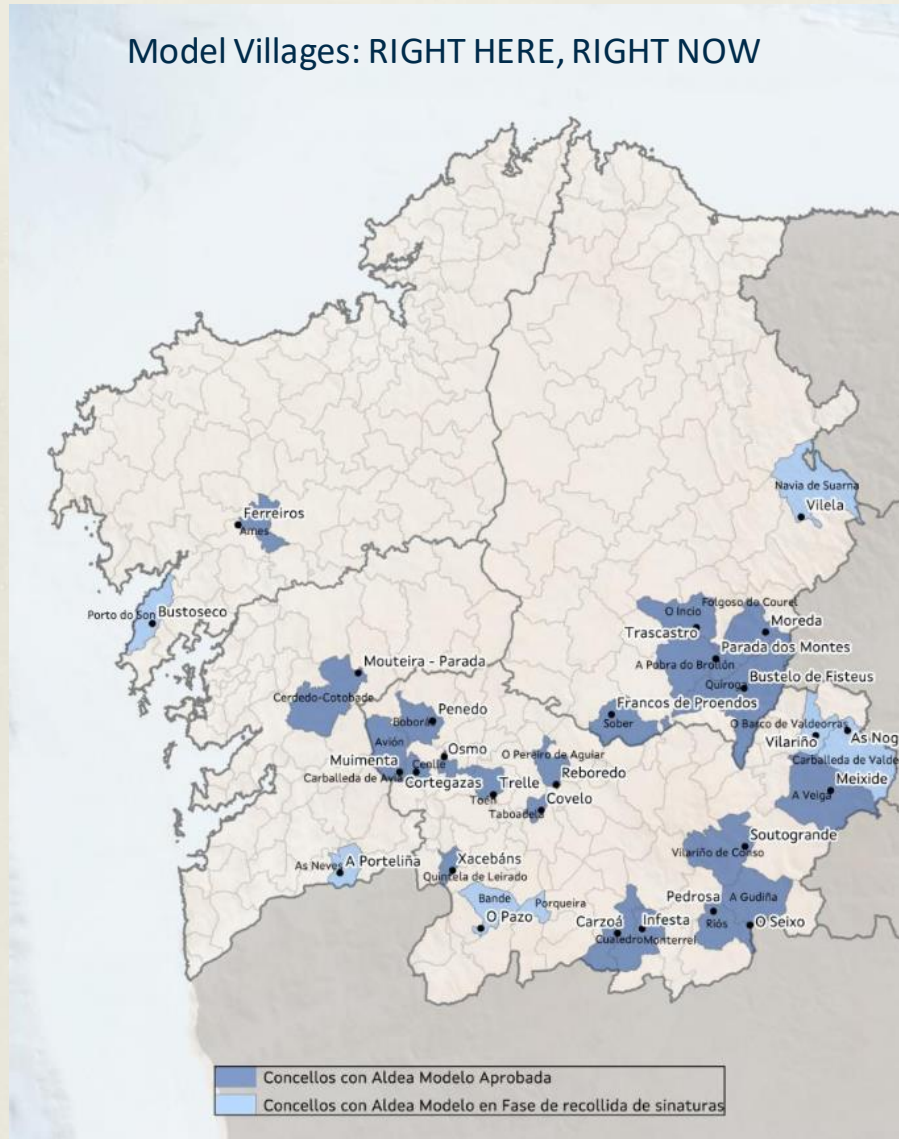


Land owners keep land ownership rights, they hire their land plot, get money for them and see their previously abandoned land in good agronomic state and bringing benefits to the local community



MODEL VILLAGES

Model Villages: RIGHT HERE, RIGHT NOW



Provincia	Municipio	Aldea modelo	Estado	Declaración aldea modelo	Superficie perímetro aldea (ha)	Superficie perímetro aldea (ha) s/n	Número de parcelas	Número de propietarios catastro
Ourense	Cenlle	Osmo	Aprobada	07/08/2019	23	18,32	153	48
Lugo	O Incio	Trascastro	Aprobada	12/11/2019	15,43	14	136	82
Ourense	Boborás	Penedo	Aprobada	12/11/2019	25,36	23,41	665	131
Ourense	Carballada de Avia	Mulmenta	Aprobada	12/11/2019	34,02	29,1	1.660	241
Ourense	Monterrel	Infesta	Aprobada	12/11/2019	42,95	36,65	930	232
Lugo	A Pobra de Brollón	Parada dos Montes	Aprobada	20/02/2020	16,96	15,55	278	73
Lugo	Folgoso do Courel	Moreda	Aprobada	20/02/2020	39	38,86	73	44
Ourense	O Pereiro de Aguiar	Reboredo	Aprobada	20/02/2020	27	15,13	158	95
Ourense	Quintela de Leirado	Xacebáns	Aprobada	20/02/2020	37	31,67	606	127
Ourense	Toén	Trelle	Aprobada	20/02/2020	37	28,18	515	157
Ourense	A Veiga	Meixide	Aprobada	24/09/2020	71,28	71,25	646	151
Lugo	Quiroga	Bustelo de Fisteus	Aprobada	21/05/2021	14,15	12,68	269	38
Ourense	Riós	Pedrosa	Aprobada	21/05/2021	67,45	52,03	922	164
Lugo	Sober	Franco de Proendos	Aprobada	21/01/2022	16,81	12,87	119	70
Ourense	Cualedro	Carzoá	Aprobada	21/01/2022	59,8	53,68	389	215
Ourense	Taboadela	Covelo	Aprobada	21/01/2022	16,81	15,05	223	109
Ourense	A Gudiña	O Seixo	Aprobada	24/01/2022	31,78	30,6	223	76
Pontevedra	Cerdedo-Cotobade	Moutela-Parada	Aprobada	25/01/2022	19,6	17,99	427	109
A Coruña	Ames	Ferreiros	Aprobada	12/08/2022	9,83	8,55	128	52
Ourense	Avión	Cortegazas	Aprobada	12/08/2022	17,88	15,11	727	99
Ourense	Vilaríño de Conso	Soutogrande	Aprobada	12/08/2022	34,54	33,50	99	46
Total	21				657,65	574,18	9.346	2.359

Cadro nº 1: Aldeas aprobadas a 23/08/2022

21 Model Villages: 574 ha, 9.346 plots, 2.359 owners

Galician Act on the Recovery of Agroforestry Land

Plan of Revitalization of the population settlement of the model village



- ✓ Focused on building rehabilitation, regeneration of public spaces

But also

- ✓ Focused on technologic and innovative solutions for improving life quality
- ✓ Promote by local government supported by Galician Rural Development Agency (Regional Ministry of Rural Environment)

4 teams of architects working on 4 pilot projects



MODEL VILLAGES





Smart Villages

Model Village Aldea Modelo

Social governance



Use of digital technology

Contribution to local economy



Local strengths and opportunities



Environmental sustainability



Cooperation





aldeasintelixentes.gal





PUBLIC PROCUREMENT OF INNOVATION:
*Smart Small Villages,
future solutions for sustainable small villages*



**aldeas
intelixentes**

Solucións de futuro
para aldeas sostibles

Public procurement of innovation: 5 Big Challenges

- ✓ **Challenge nº 1:** Smart platform for local public services
- ✓ **Challenge nº 2:** Platform for traceability of agrifood products and byproducts and residues (circular economy)
- ✓ **Challenge nº 3:** Decision support system for agricultural activities in model villages
- ✓ **Challenge nº 4:** Local Energy Communities in model villages
- ✓ **Challenge nº 5:** Sustainable building and urban development





Preliminary Market Consultation November 2021 - October 2022

Big success
More than 200 proposals from 100 companies,
research centres and universities




Public contracts

Objective	Amount	Starting
<p>Model villages comprehensive energy systems: a unique, modular and configurable energy community to be implemented in each Model village</p>	<p>1.500.000€</p>	<p>2023 First semester</p>
<p>Smart platform for trazabiliy of agrifood products and by-products (digital labelling, digital network of producers and users, ...)</p>	<p>1.500.000€</p>	<p>2023 First semester</p>
<p>Decision support system for agricultural activities (extensive livestock farming, organic farming, ...)</p>	<p>2.000.000€</p>	<p>2023 First semester</p>



AXENCIA GALEGA
DE DESENVOLVEMENTO
RURAL

 Xacobeo 21-22

Thank you very much

Inés Santé Riveira

GENERAL DIRECTOR GALICIAN AGENCY FOR RURAL DEVELOPMENT

