

TO BE CONTINUED
LESSONS FROM TWO
(CONTEMPORARY) WIDE SURVEYS ON
VERNACULAR ARCHITECTURE AND
TRADITIONAL SETTLEMENTS IN
GALICIA AND ASTURIAS (SPAIN)

SURVEYS ON VERNACULAR ARCHITECTURE CONFERENCE, PORTO 2012.
PLÁCIDO LIZANCOS & EVARISTO ZAS, School of Architecture, A Coruña (Spain)



survey	proposer	size	objectives
Catálogo de los Núcleos Rurales de Asturias (2007) [INVENTORY OF ASTURIAN RURAL SETTLEMENTS]	Asturias gov. to an School of Architecture	100% of: 10,600 sq. km. 1,081,000 p. 5,199 hamlets	Atribute qualification to every rural hamlet
Estudo do Habitat Rural de Galicia (2009) [SURVEY OF GALICIAN RURAL HABITAT]	School of Architecture to Galician gov.	25% of: 29.500 sq. km. 2.780.000 p. 32.000 hamlets	Search rural hamlets with specific qualifications

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1. INTRODUCTION

**LESSONS FROM TWO (CONTEMPORARY) WIDE SURVEYS ON VERNACULAR ARCHITECTURE AND TRADITIONAL SETTLEMENTS
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COSY VILLAGES in green meadows located beside a huge Atlantic...



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but the countryside is actually **UNDER PRESSURE**



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WHAT'S THE POINT nowadays to survey vernacular architecture?

The answer is to introduce **A NEW RATIONALITY** into the transformations of the rural environment.

The **AIMS** of surveying (1/2):

- To identify, evaluate and locate** in the space the phenomena due to habitat construction
- To define** those **sensations** transmitted by buildings (vernacular or contemporary) to the environment in function of its characteristics
- To detect and locate the **state of use** of the vernacular and contemporary constructions, identifying abandonment, absence of use, substandard housing or buildings under way

The **AIMS** of surveying (2/2):

- To locate **homogeneous areas** according to parameters such as: potential of transformation, permanence of the vernacular architecture, farming activity, accessibility to a particular type of service, landscapes of outstanding natural beauty... which allow implementing actions.
- To draw conclusions that **allow diagnostics** and clearly spells out recommendations for the administrations and eventually to make specific studies in areas or subjects related to the identified aspects.

2. THE INVENTORY OF ASTURIAN RURAL SETTLEMENTS, IARS

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ASTURIAS NATURAL PARADISE: 10,603.57 sq km



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ASTURIAS NATURAL PARADISE:

1,081,487 inhabitants 102 inhabitants by sq km



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ASTURIAS NATURAL PARADISE:

5,199 rural settlements recorded in the local land-use plans



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ASTURIAS NATURAL PARADISE:

A territory with a rich and characteristic vernacular architecture



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Four different levels of **PROTECTION** were set to list the rural settlements in Asturias

- **GRADE 1:** Those listed with the **highest level of protection**. It applies exclusively to the best rural settlements since they present an intact architecture and landscape framework or very mildly affected by buildings or other elements erected since 1950.

GRADE 1

05. BELMONTE DE MIRANDA



05-0254-01-000077.JPG



05-0254-02-000078.JPG



05-0254-02-000079.JPG



05-0254-03-000081.JPG



05-0254-03-000082.JPG



05-0254-03-000083.JPG



05-0254-02-000080.JPG



05-0254-03-000084.JPG



05-0254-03-000085.JPG



05-0254-04-000086.JPG



05-0254-04-000087.JPG



05-0254-05-000088.JPG



0254. AGÜERA

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Four different levels of **PROTECTION** were set to list the rural settlements in Asturias

-GRADE 2: To be listed with a high or medium protection.

Grade 2A1 settlements are those of high value, mildly altered and with reversible impacts.

Grade 2A2 ones are those whose values are merely environmental.

And finally Grade 2B applies to settlements with rural conditions to be protected by the local land-use plan, as hamlets that lost its environmental value, but with architecture or other elements of interest.

GRADE 2A1

68. SOMIEDO



68-1576-01-P1000257.JPG



68-1576-02-P1000268.JPG



68-1576-03-P1000259.JPG



68-1576-05-P1000261.JPG



68-1576-06-P1000262.JPG



68-1576-07-P1000263.JPG



68-1576-04-P1000260.JPG



68-1576-08-P1000266.JPG



68-1576-09-P1000265.JPG



68-1576-10-P1000267.JPG



68-1576-11-P1000268.JPG



68-1576-12-P1000269.JPG



1576. ORDERIAS

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GRADE 2A2

37. MIERES



1471. CABANIN, EL



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GRADE 2B

15. CASO



1175. TANES

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Four different levels of **PROTECTION** were set to list the rural settlements in Asturias

-GRADE 3: To be considered by the local land-use plan, with **some areas subject to specific preservation.**

It is of application to those hamlets whose interest circumscribes to just a part of it or to well preserved ones whose surroundings or landscape framework have been irreparably transformed by contemporary buildings or remarkable infrastructures built up since 1950.

GRADE 3

65. SARIOGO



65-1886-03-G_2874.JPG



65-1886-05-G_2876.JPG



65-1886-13-G_2884.JPG

1886. SAN ROMÁN



65-1886-14-G_2885.JPG



65-1886-15-G_2886.JPG

Four different levels of **PROTECTION** were set to list the rural settlements in Asturias

-GRADE 4: Not to be listed and as **irreparably damaged** settlements must be regulated by the local land-use plan. It applies to new hamlets or those whose original conditions have been seriously transformed in terms of dominant economic activity, morphology or landscape.

GRADE 4

34. VALDÉS



34-4217-01-P1030497.JPG



34-4217-02-P1030498.JPG



34-4217-03-P1030499.JPG



34-4217-05-P1030501.JPG



34-4217-06-P1030503.JPG



34-4217-07-P1030504.JPG

4217. BARCIA



34-4217-04-P1030500.JPG

FIELD WORK: The territory is divided into four zones based in the logic of the municipal limits



RURAL SETTLEMENTS
BY ZONE

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Field work: THE DATA SHEET

Fecha de la toma de datos: 08/08/2006	
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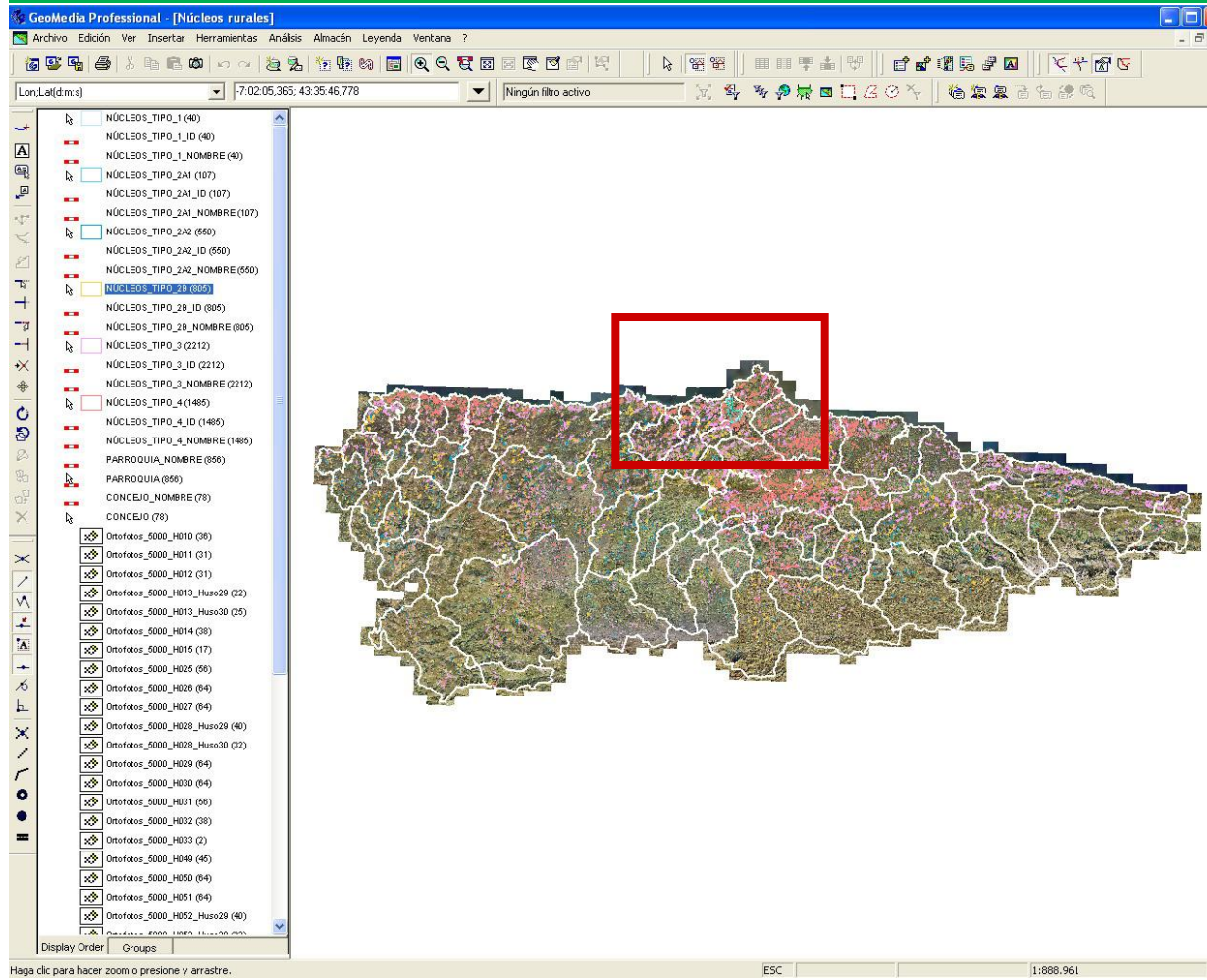
CARACTERIZACIÓN GEOGRÁFICA	
PLANEAMIENTO VIGENTE	NSPMA acordado el 29/09/1987 con texto en el BOPA el 01/12/1993 equipo redactor RODRIGUEZ-VALBUENA expediente OT OT-05706
COORDENADAS	UTM x 210081.86 Longitud -6:34:06.664 UTM y 4790965.51 Latitud 43:12:54.039
ALTITUD	420 m. sobre el nivel del mar
UNIDAD MORFOLÓGICA	SIERRAS DEL OCCIDENTE
UNIDAD TERRITORIAL	TERRAZGOS TRADICIONALES viviendas a la explotación agraria tradicional precapitalista TERRAZGOS MODERNOS nacidos de una agricultura tecnificada o de otras dimensiones EN CAMPOS CERRADOS
ORIENTACIÓN	MIXTO
EMPLAZAMIENTO	LADERA
SUPERFICIE	29.350,94 m2.
EVOLUCIÓN POBLACIÓN 2001-05	ESTABLE
DINÁMICA DE ACTIVIDAD RESIDENCIAL	CRECIMIENTO O REHABILITACIÓN
APARIENCIA DEL SECTOR ECONÓMICO	AGROPECUARIO
INCLUIDO EN LA RED REGIONAL DE ESPACIOS PROTEGIDOS	Lugares de Interés Comunitario (LIC's) ☐ Red Regional de Espacios Naturales Protegidos (RRENTP) ☐ Zona de Especial Protección de Aves (ZEPA's) ☐
CLASIFICACIÓN MORFOLÓGICA	
DISPOSICIÓN	POLINUCLEAR
ESTRUCTURA FÍSICA	ALVEOLAR o RED
DENSIDAD DE OCUPACIÓN	LAXO o ABIERTO

CARACTERIZACIÓN	
NOMBRE	LOMES
NOME	LLOMES
PARROQUIA	LOMES
PARROQUIA	LLOMES
CONCEJO	ALLANDE
CONCEJO	ALLANDE
REFERENCIA	concejo 01 núcleo rural 3026
CATALOGACIÓN	2A1
MATERIALES PREDOMINANTES	
de cubierta	TEJA CERÁMICA
de fachada	ENFOSCADO
TIPOLOGÍA DE CASA DOMINANTE	CASA DEL OCCIDENTE
EXISTENCIA DE ESPACIOS PÚBLICOS	☐
RED DE CAMINOS	HORMIGONADA
ARQUITECTURAS DE AUTOR	
RELIGIOSAS	Iglesia ☒ Ermita ☐ Capilla ☐ Otras ☐
CIVILES	Palacio ☐ Casona ☐ Quinta ☒ Otras ☐
PÚBLICAS	Escuela ☒ Palco ☐ Centro social ☐ Otras ☐
OTRAS	Otras públicas ☐ Arqueología industrial ☐ Monumento civil ☐ Otras ☐
ARBOLADO SINGULAR Y JARDINES	
ESPECIES AUTÓCTONAS	Castaño ☒ Carbayo ☐ Otro ☐
ESPECIES ALÓCTONAS	Palmera ☐ Acacia ☐ Otras ☐
JARDINES	En quintas ☐ Públicos ☐ Otras ☐
MASAS FORESTALES	Tradicional ☒ Repoblaciones ☐ Otras ☐
Nº DE HÓRREOS O PANERAS	9
ELEMENTOS DEL ACERVO ETNOGRÁFICO	Ciemes ☒ Portillas ☐ Caleyas ☒ Fuente ☐ Molino ☐ Otro LAVADERO, PORTONES
VALORACIÓN	
MORFOLOGÍA ESPACIO EDIFICADO	INTACTA
ENTORNO PRÓXIMO	INALTERADO o CON MÍNIMAS ALTERACIONES
CALIDAD DE...	ESPACIO CONSTRUIDO ALTA PAISAJE INMEDIATO EXCEPCIONAL RELACIÓN CONSTRUIDO / PAISAJE ALTA EDIFICACIÓN TRADICIONAL ALTA PATRIMONIO ETNOGRÁFICO, HISTÓRICO o ANTROPOLÓGICO ALTA
OBSERVACIONES	
HAY UNA QUINTA DE 1806.	

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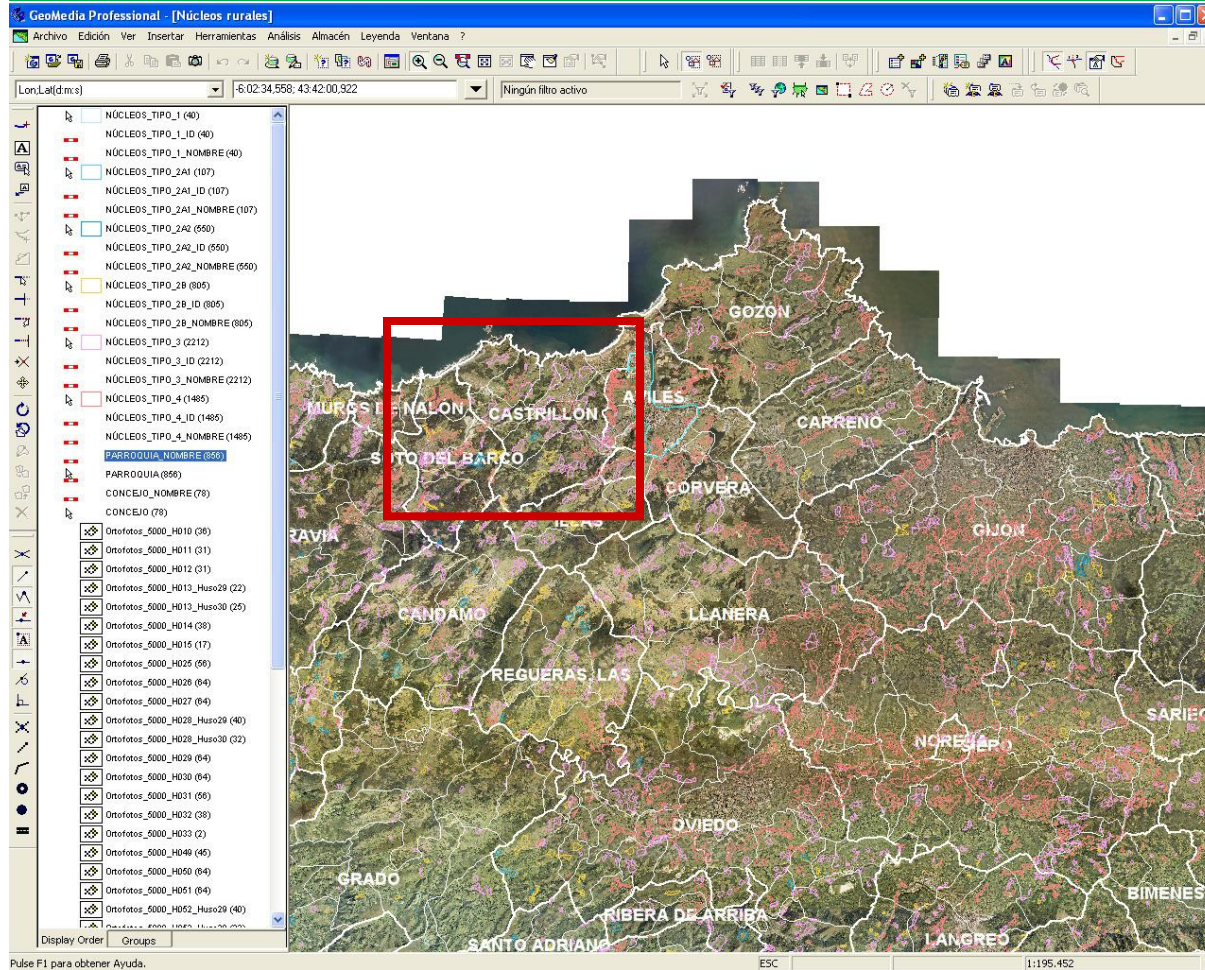
GIS: Information associated to a particular rural settlement



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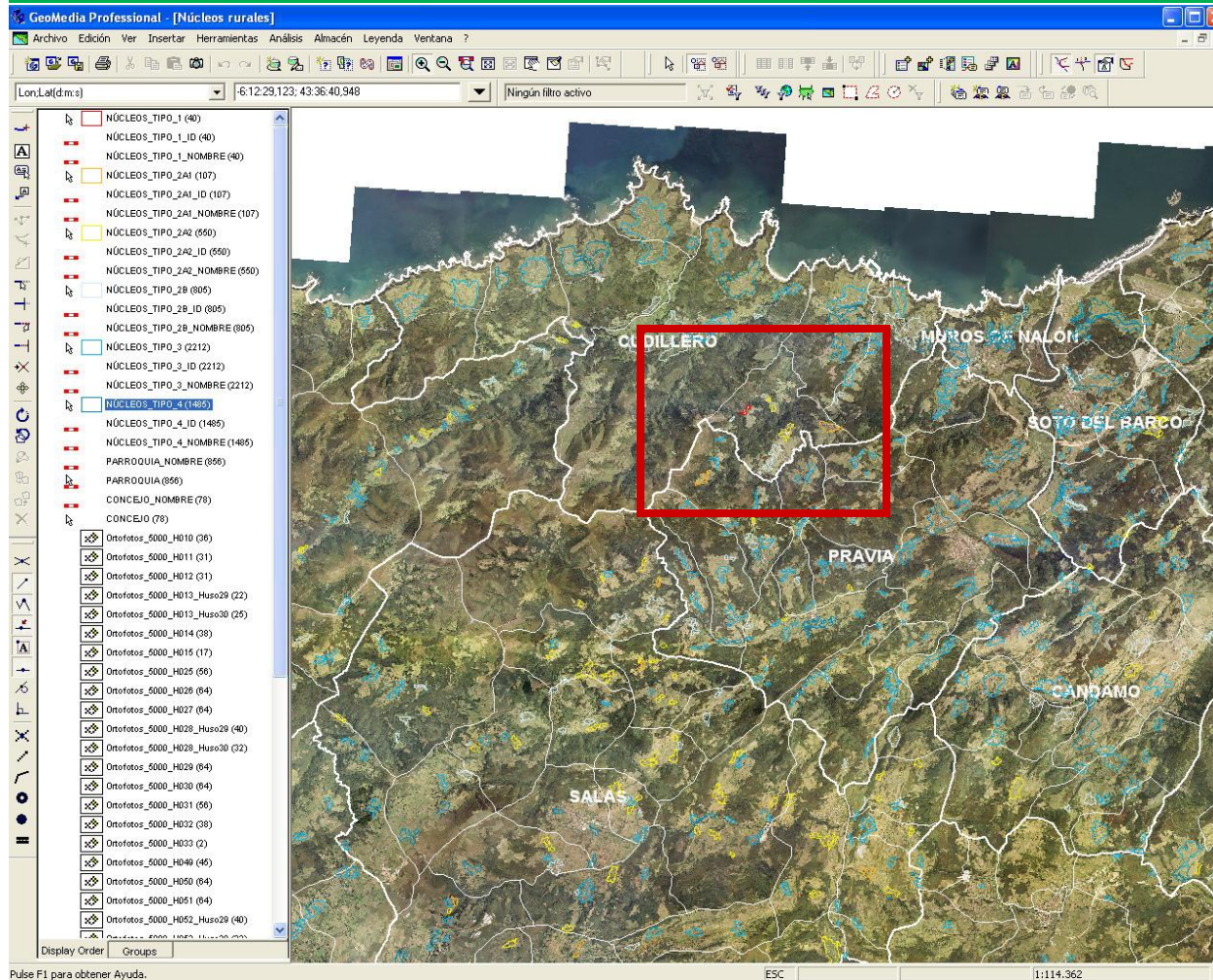
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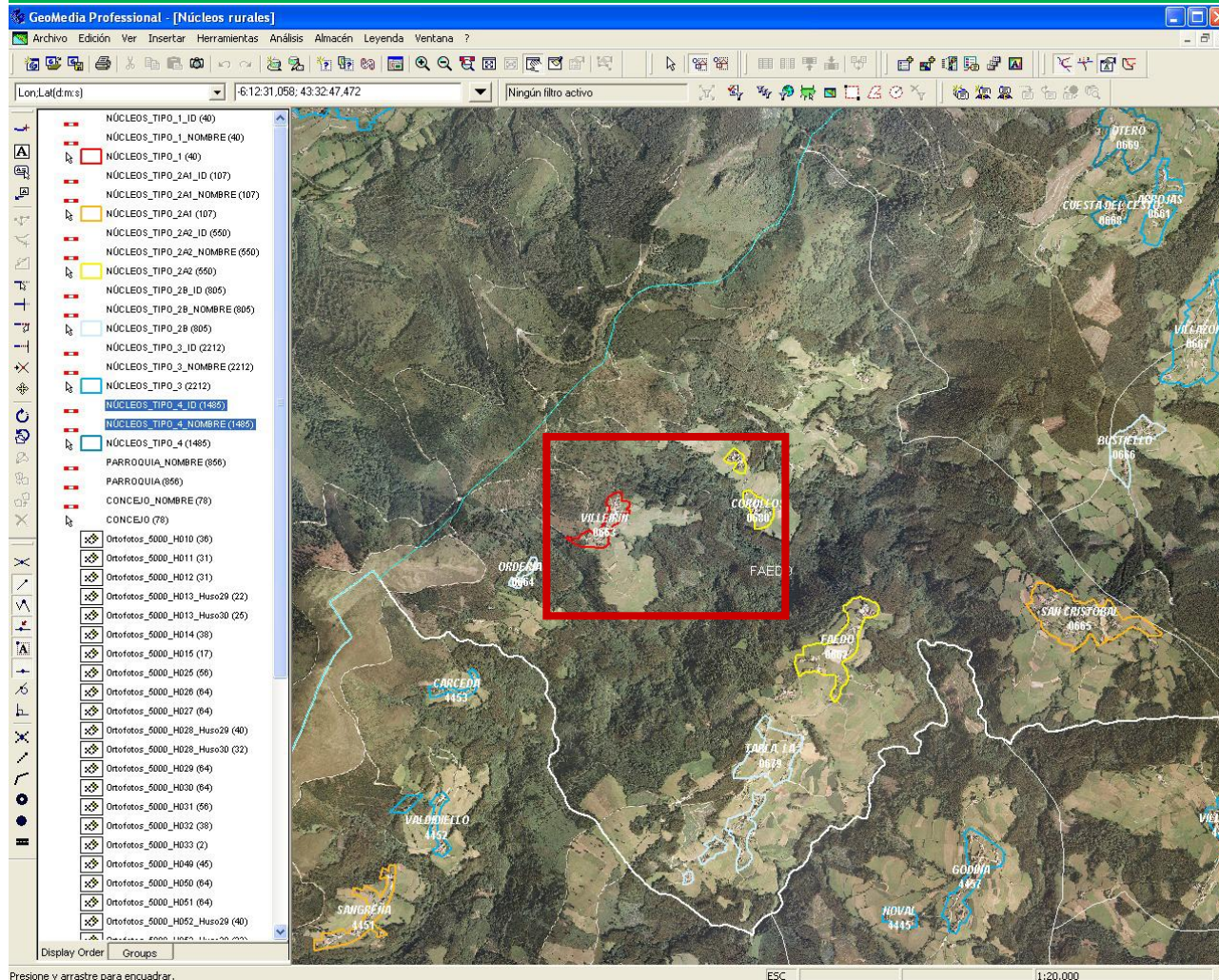
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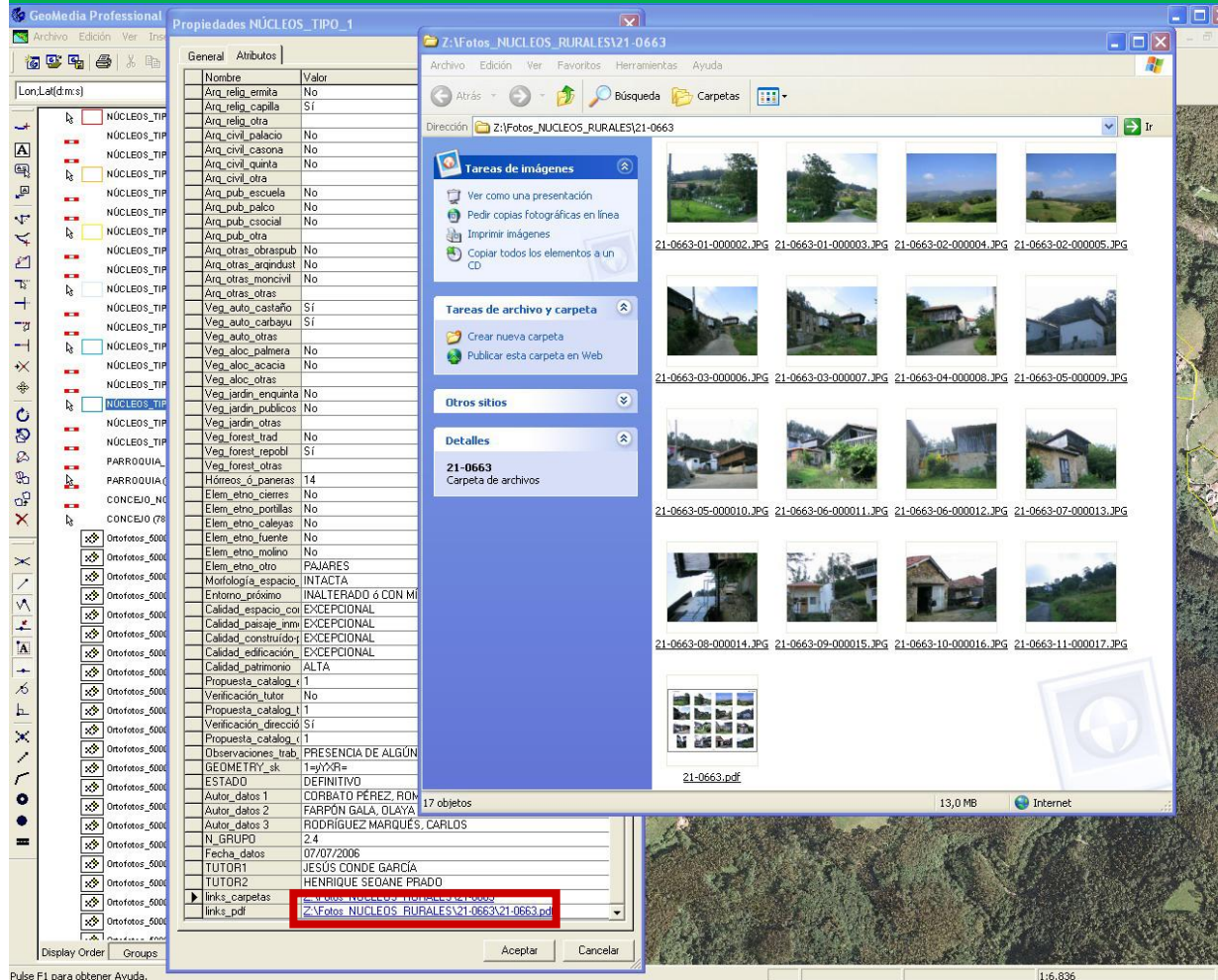
The screenshot displays the GeoMedia Professional interface. On the left, a map shows a rural landscape with a settlement area highlighted in green. The main window shows the 'Propiedades NÚCLEOS_TIPO_1' dialog box, which contains a table of attributes for a specific settlement.

Nombre	Valor
ID_núcleo	0653
Nombre_núcleo	VILLEIRIN
Nombre_núcleo_ast	VILLEIRIN
Parroquia	FAEDO
Parroquia_ast	FAED
Concejo	CUDILLERO
Concejo_ast	CUIDEIRU
ID_concejo	21
CLASIFICACION	NO URBANIZABLE
CALIFICACION	NUCLEO RURAL
SUBCATEGORIA	-
TIPO	-
CODIGO	SNU-NR
CLASE_DE_PLAN	NSPMB
F_ACUERDO	16/02/2001
F_BOPA	31/03/2001
TEXTO_BOPA	12/06/2004
EQUIPO_REDACTO	-
EX_PTE_OT	01-118/05
NORMATIVA	MUNICIPIOS/CUDILLERO/NORMATIVA/PDF/SNU/SNU-NR.pdf
NORMATIVA_G	MUNICIPIOS/CUDILLERO/NORMATIVA/PDF/SNU/SNU-NR.pdf
FICHA	MUNICIPIOS/CUDILLERO/NORMATIVA/PDF/SNU/NR/VILLEIR
OBSERVACIONES	-
MODIFICACION	-
Coord_UTM_x	241724.42
Coord_UTM_y	4824360.79
Coord_longitud	-6:11:45.250
Coord_latitud	43:31:36.223
Altitud	350
Unidad_morfológica	SIERRAS DEL OCCIDENTE
Unidad_territorial_tra	EN CAMPOS ABIERTOS
Unidad_territorial_mc	-
Orientación	SOLANA
Emplazamiento	LADERA
Área	33645.45
Población_2005	-
Población_evolución	NEGATIVA
Nº_viviendas_ppales	7
Nº_viviendas_secun	15
Nº_viviendas_tot_2C	22
Densidad	-
Dinámica_act_reside	CRECIMIENTO O REHABILITACIÓN
Apariencia_economi	MIXTO
ESP_NAT_LICs	No
ESP_NAT_RRENPs	No
ESP_NAT_ZEPAs	No
Morfología_disposici	NUCLEAR
Morfología_estruc_fi	LINEAL
Densidad_ocupación	COMPACTO o DENSO
Material_cubierta	TEJA CERÁMICA
Material_fachada	ENFOSCADO
Tipología_casa	CASA DEL OCCIDENTE
Espacios públicos	SI
Red_caminos	HORMIGONADA
Arq_relig_iglesia	No
Arq_relig_ermita	No
Arq_relig_capilla	Si
Arq_relig_otra	-

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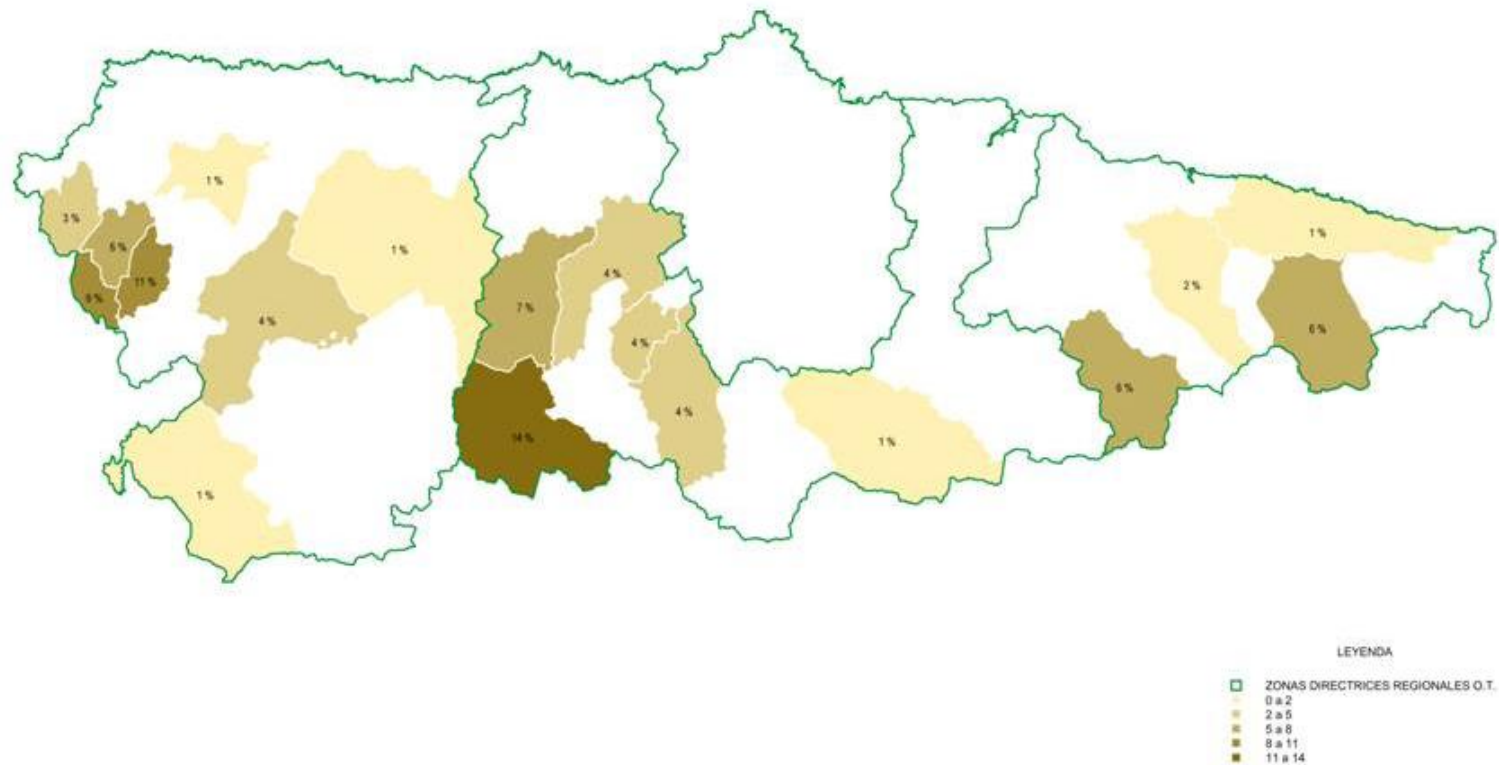


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GIS: THEMATIC MAPS



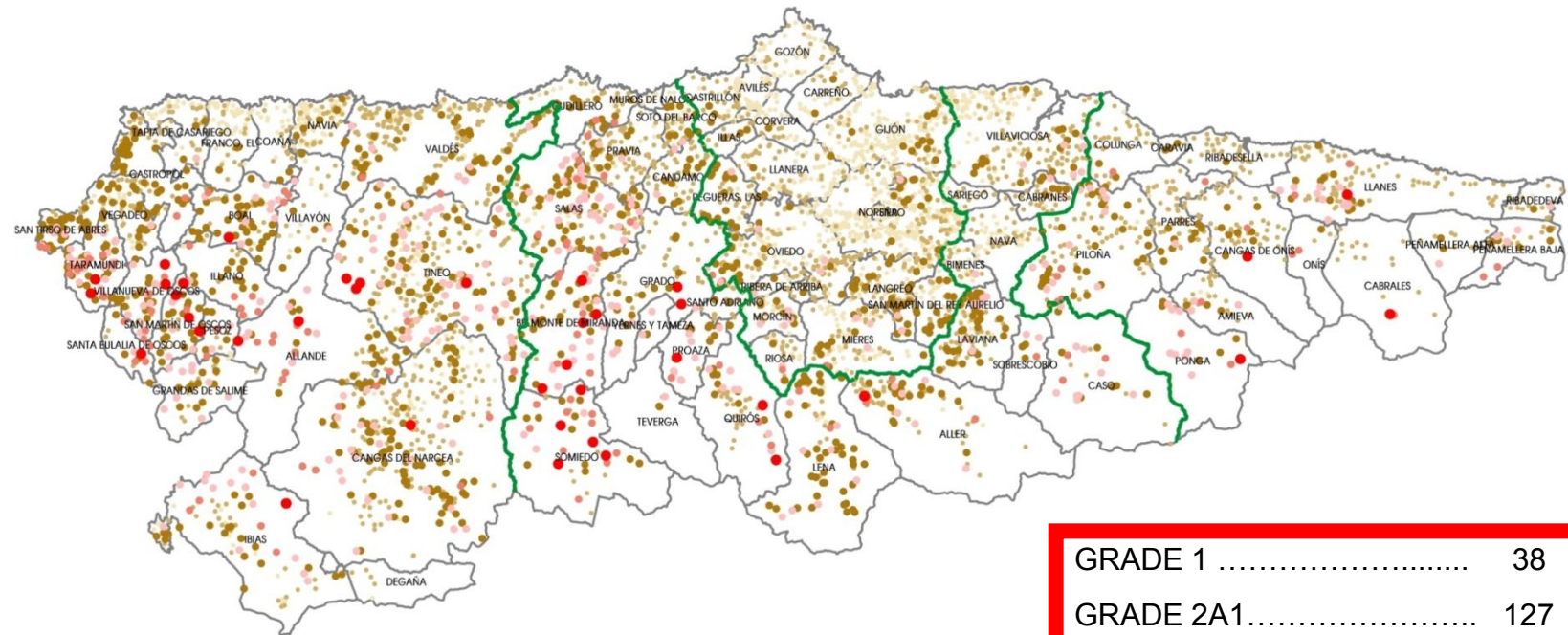
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GIS: DATA TABLES

ALTITUDE and GRADES OF PROTECTION					
Grade	Number of hamlets	0-250m	251-500m	501-750m	>750m
1	38	4	9	14	11
2A1	127	17	43	50	17
2A2	341	60	118	125	38
2B	964	265	342	273	84
Total	1470	346	512	462	150

THE RESULT



GRADE 1	38
GRADE 2A1.....	127
GRADE 2A2.....	341
GRADE 2B.....	964
GRADE 3	2.244
GRADE 4	1.485
TOTAL	5.199

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3. THE SURVEY OF GALICIAN RURAL HABITAT, SGRH

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STARTING POINT

The **initiative** for the realisation **arises from a group of architects**, linked to the University. We propose Galician gov. to survey the Rural Habitat.

This study grows **accompanying the degradation of the built environment** (as a consequence of, in some cases, wrong political initiatives of the government).

THE DEFINITION OF THE SURVEY PROJECT

The basic cell of construction and support of the survey is the **RURAL SETTLEMENT (HAMLET)**.

This **basic cluster** is comprised by a group of houses, joined in accordance with its genuine morphological rules. It can be accompanied of other buildings like churches, mills, granaries, etc. and elements of a shorter scale like fountains, walls, crosses...

All them together confer cultural value to the rural settlement.



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TODAY'S SHAPE OF GALICIAN HAMLETS

The actual shape of our hamlets **vary widely**, reflecting a diverse presence of vernacular houses and also diverse relationships between man and territory.



Some hamlets are expected to **still preserve** characteristic styles of the **vernacular** way of doing.

On the other side, there are settlements that have **no ancient** elements.

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Let's remember **WHAT WE WANT TO DO**

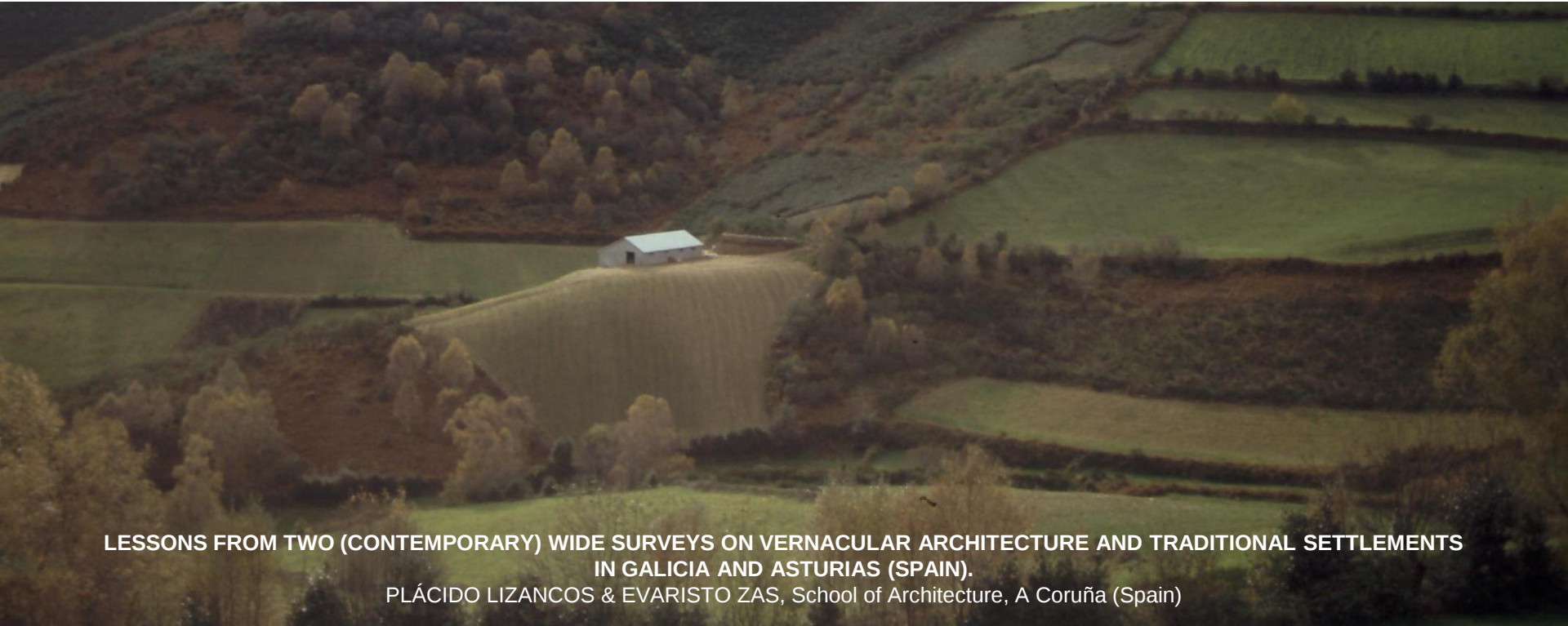
- To identify, evaluate and locate the **SPACIAL PHENOMENA** due to habitat construction
- To define those **SENSATIONS TRANSMITTED BY BUILDINGS** (vernacular or contemporary) to the environment in function of its characteristics

WHERE ARE WE GOING TO COLLECT DATA?

We started **testing the survey** in just 25% of the country surface

This enquiry is applied to **every** hamlet.

The survey explores not only the built spaces but also **empty** ones inside the hamlets and its **surrounding** landscape.



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WHAT DATA DO WE WANT TO COLLECT?

Data, disaggregated in vernacular and non vernacular buildings, are:

- Drawing up **building typologies**
- Have a complete review of the **visual appearance** of the buildings
- To recognize how buildings **are used**

and...

WHAT DATA DO WE WANT TO COLLECT?

...to review the kind of **relationships** established amid buildings, empty spaces and nature



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THE EXPLOITATION OF THE OBTAINED DATA

We produced:

RAW DATA. Readable in tables, lists and statistics.

The researcher of our survey READS information.

DATA MAPS. The GIS engine produces thematic maps.

The reserchaer of our survey EXPLORES information.

THE EXPLOITATION OF THE OBTAINED DATA.

Examples

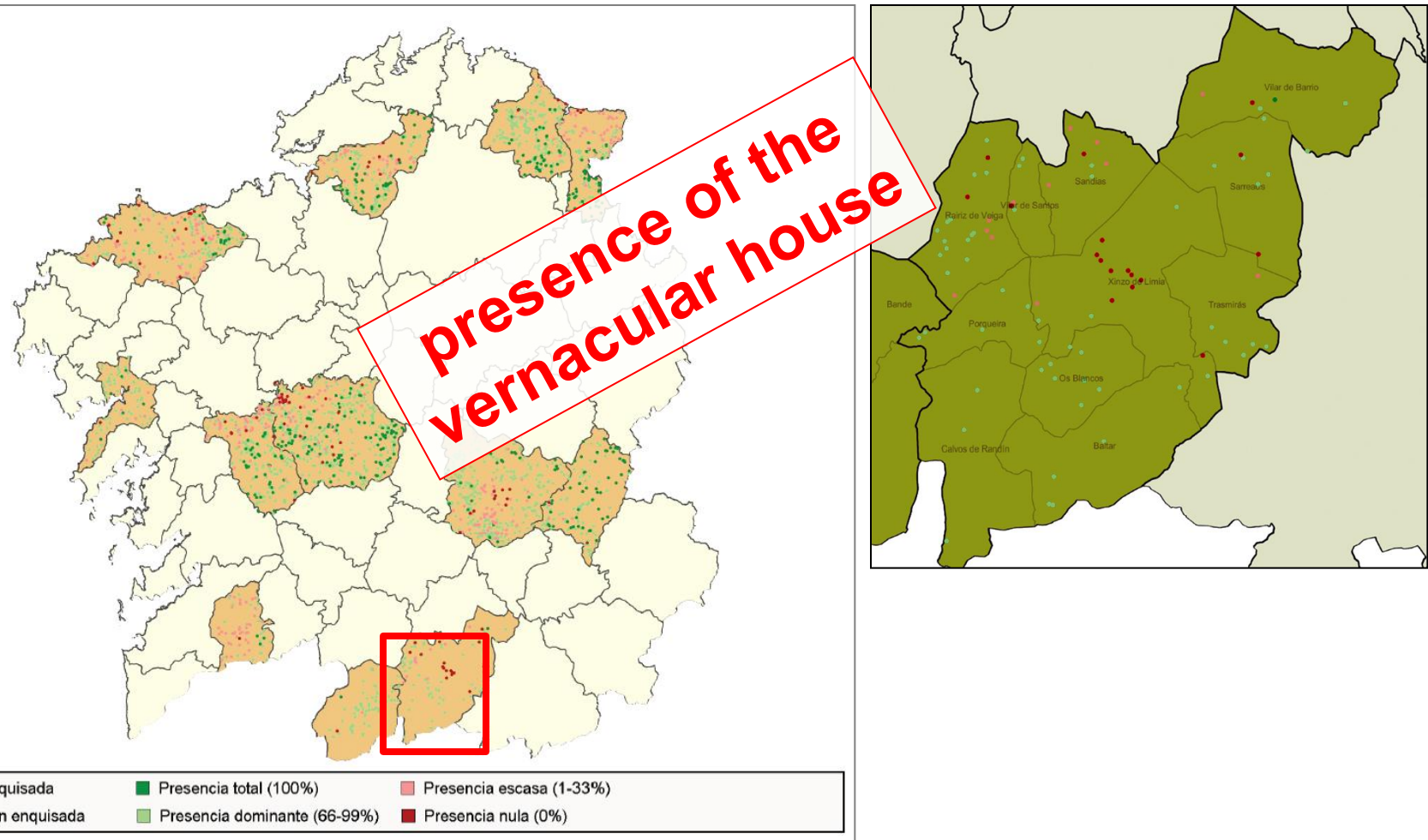
2.1 Edificación vernácula

2.1.1 Presencia da casa vernácula

Comarca	Nula (0 %)		Escasa (1-33 %)		Evidente (34-66 %)		Dominante (67-99 %)		Total (100 %)		TOTAL
A LIMIA	17	(13,6%)	12	(9,5%)	37	(29,6%)	58	(46,4%)	1	(0,8%)	125
A MARIÑA CENTRAL	4	(1,56%)	9	(3,2%)	31	(12,11%)	170	(66,41%)	42	(16,41%)	256
A MARIÑA ORIENTAL	3	(1,61%)	14	(24,41%)	43	(23,12%)	49	(26,34%)	46	(24,73%)	186
BAIXA LIMIA	1	(1,37%)	2	(2,74%)	6	(8,22%)	63	(86,3%)	1	(1,37%)	73
BERGANTIÑOS	4	(3,44%)	11	(19,16%)	170	(41,77%)	120	(29,48%)	25	(6,14%)	407
DEZA	24	(3,8%)	44	(7,09%)	154	(24,8%)	292	(47,02%)	107	(17,23%)	621
EUME	7	(3,86%)	29	(11,84%)	62	(25,31%)	98	(40%)	49	(20%)	245
NOIA	1	(0,8%)	5	(4%)	49	(39,2%)	64	(51,2%)	6	(4,8%)	125
O CONDADO	1	(0,99%)	39	(38,61%)	33	(32,67%)	25	(24,75%)	3	(2,97%)	101
QUIROGA	2	(1,5%)	4	(3,01%)	6	(4,51%)	72	(54,14%)	49	(36,84%)	133
TABEIRÓS-TERRA DE MONTES	8	(2,27%)	41	(11,65%)	130	(36,93%)	137	(38,92%)	36	(10,23%)	352
TERRA DE LEMOS	10	(1,88%)	58	(10,9%)	158	(29,7%)	281	(52,82%)	25	(4,7%)	532
Total:		92	366	879	1429	390	3156				

THE EXPLOITATION OF THE OBTAINED DATA.

Examples



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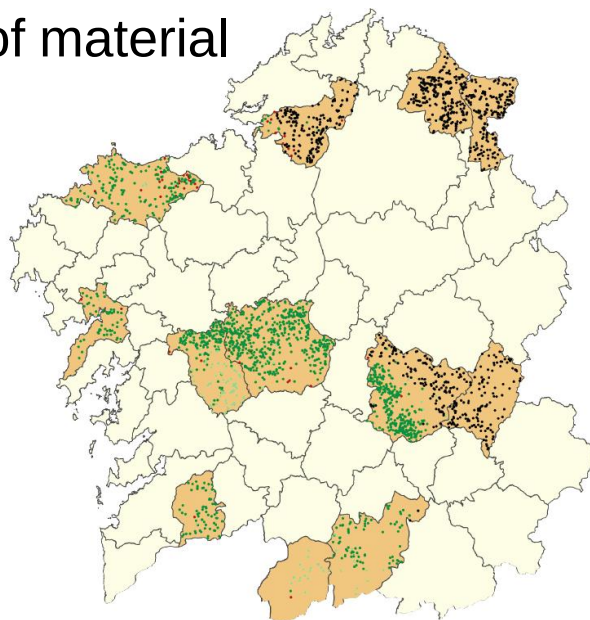
SOME EXAMPLES OF OUR MAPS

Vernacular houses

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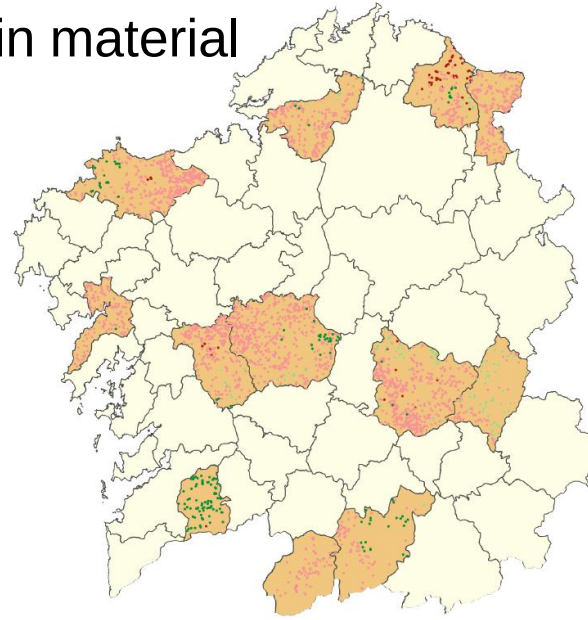
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Roof material



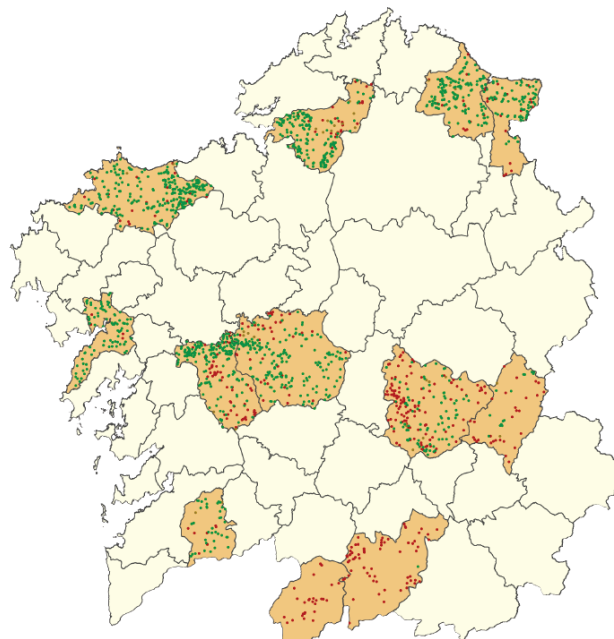
■ Comarca enquisada ■ Presencia dominante ou total de tella do país ■ Presencia dominante ou total de lousa
■ Comarca non enquisada ■ Presencia dominante ou total de outra tella ■ Presencia dominante ou total de outros

Skin material



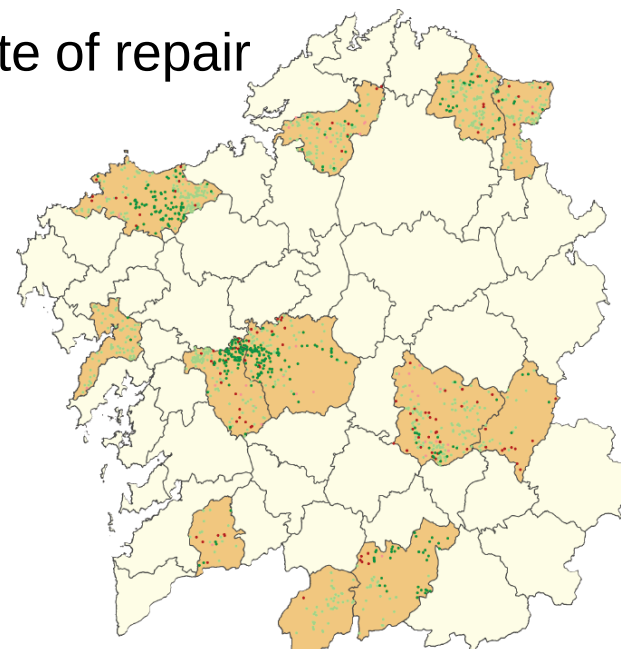
■ Comarca enquisada ■ Presencia dominante ou total de cantería ■ Presencia dominante ou total de mampostería
■ Comarca non enquisada ■ Presencia dominante ou total de laxes ■ Presencia dominante ou total de outros

Use



■ Comarca enquisada ■ Presencia dominante ou total de permanente
■ Comarca non enquisada ■ Presencia dominante ou total de ocasional
■ Presencia dominante ou total de ningunha

State of repair



■ Comarca enquisada ■ Presencia dominante ou total de inalterada ■ Comarca non enquisada
■ Presencia dominante ou total de alterada recoñecible ■ Presencia dominante ou total de alterada non recoñecible

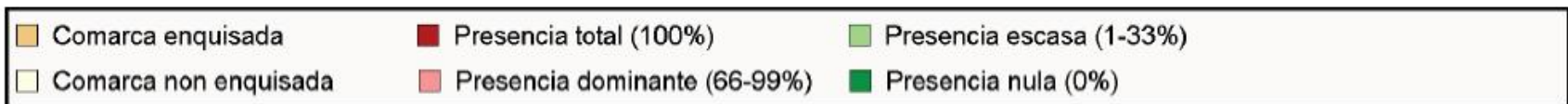
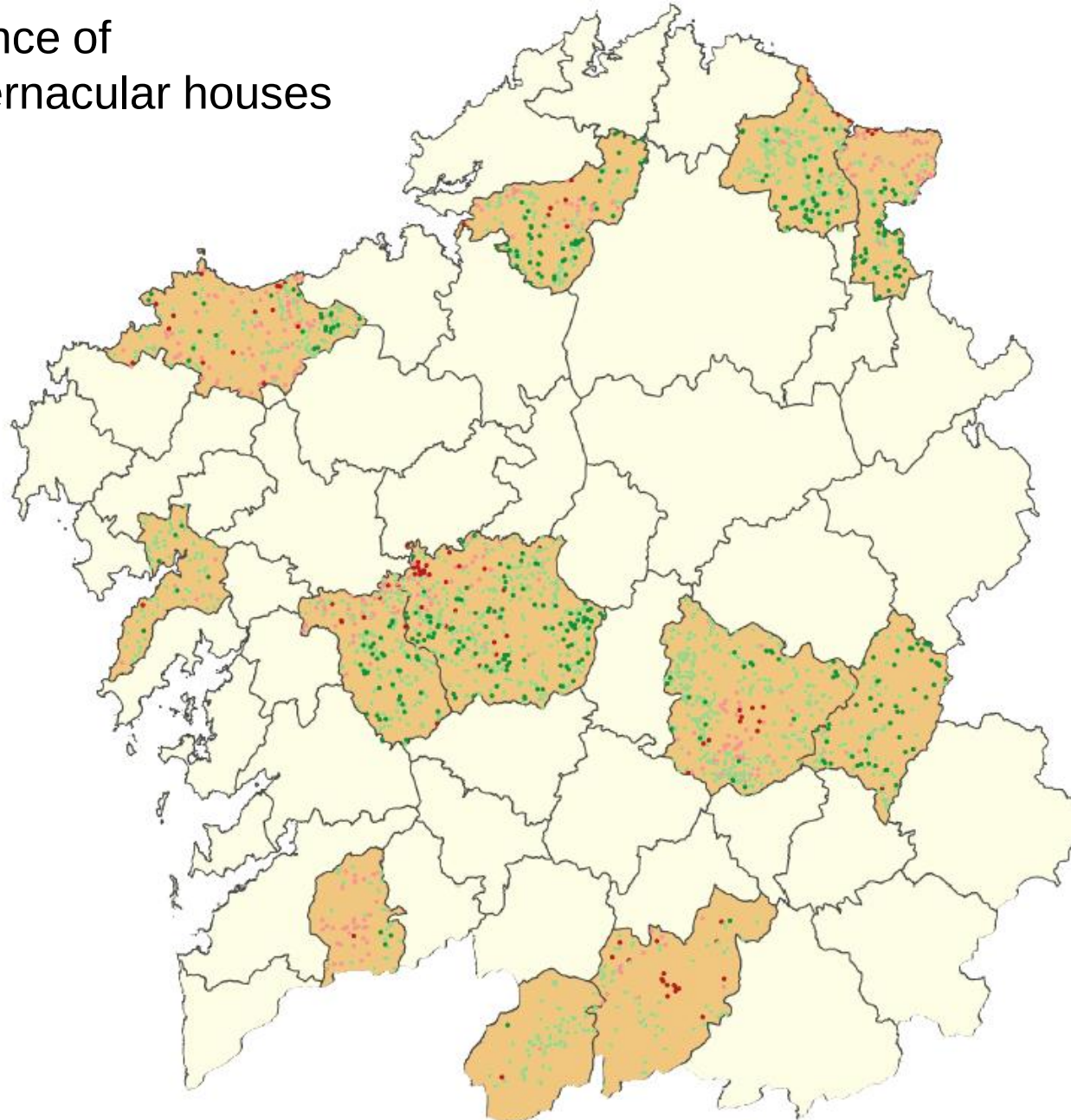
SOME EXAMPLES OF OUR MAPS

Non vernacular houses

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Presence of non vernacular houses



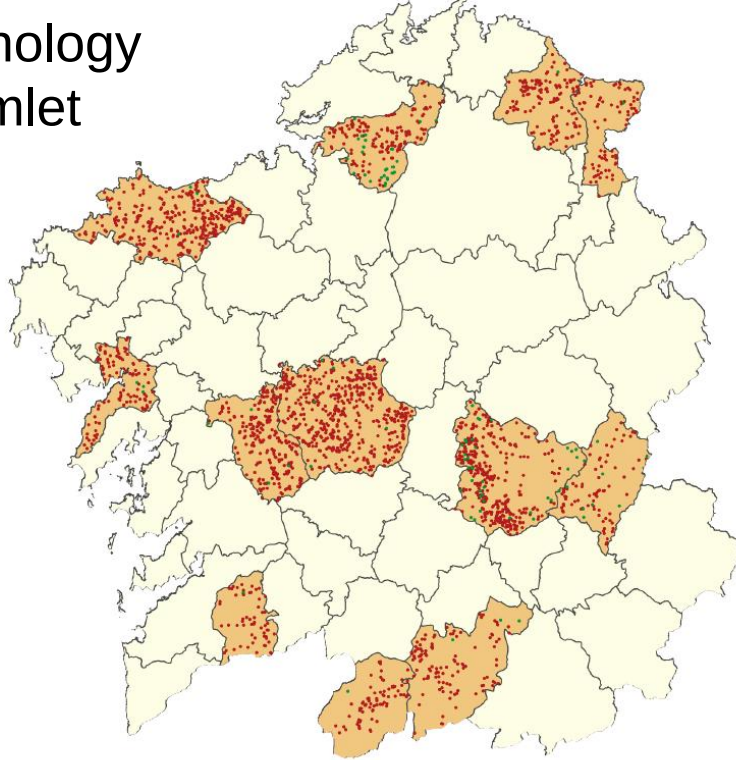
SOME EXAMPLES OF OUR MAPS

The hamlet

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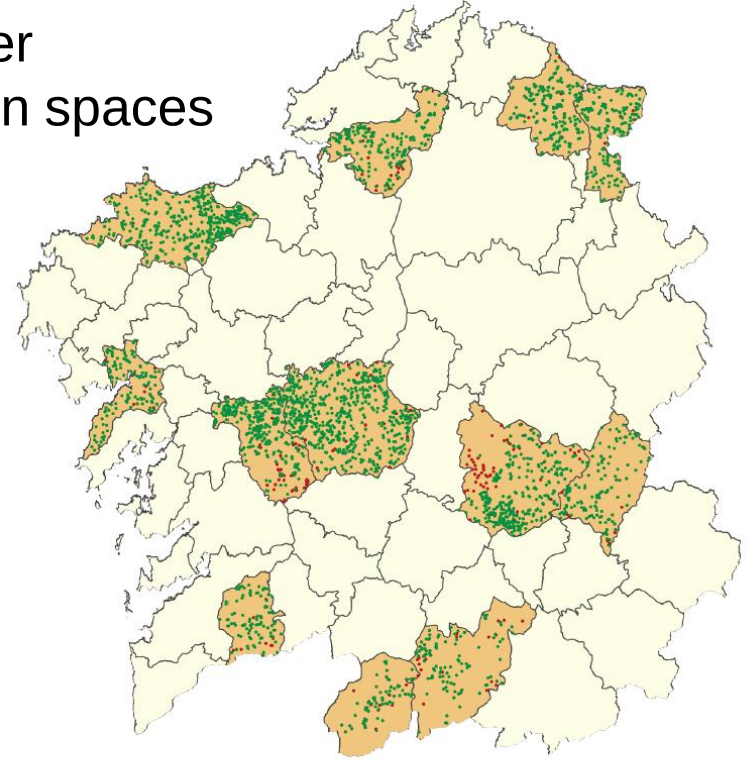
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Morphology of hamlet



Comarca enquiseda
Comarca non enquiseda
Viario exclusivamente tradicional
Viario exclusivamente non tradicional

Inner open spaces



Comarca enquiseda
Comarca non enquiseda
Axardinado, horta ou arborado
Abandonado

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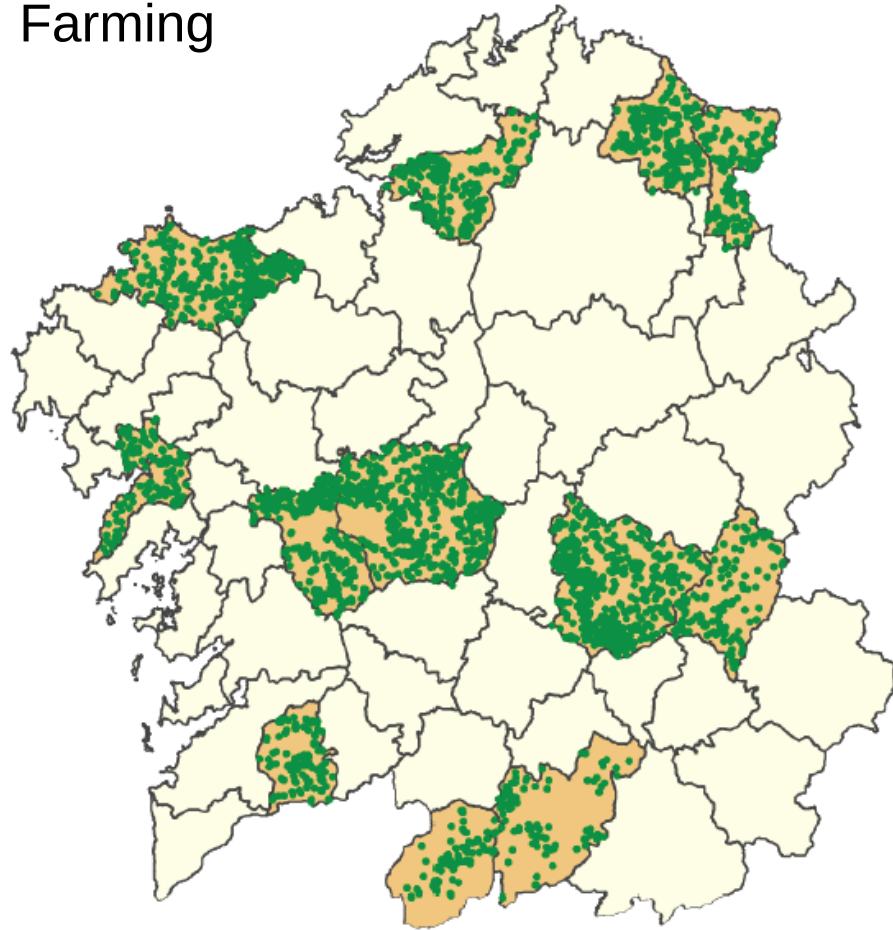
SOME EXAMPLES OF OUR MAPS

The surrounding land

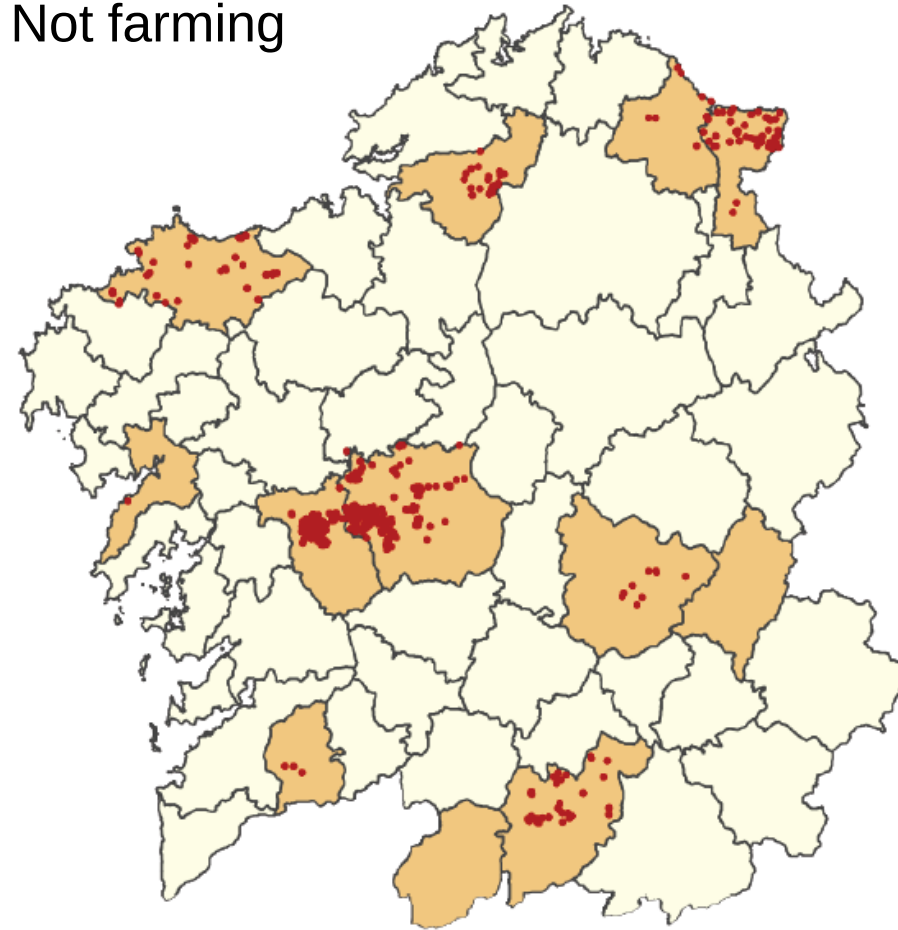
**LESSONS FROM TWO (CONTEMPORARY) WIDE SURVEYS ON VERNACULAR ARCHITECTURE AND TRADITIONAL SETTLEMENTS
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Farming



Not farming



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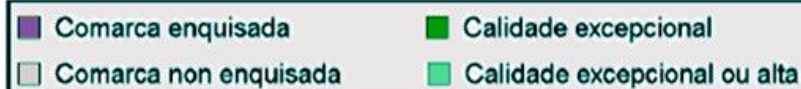
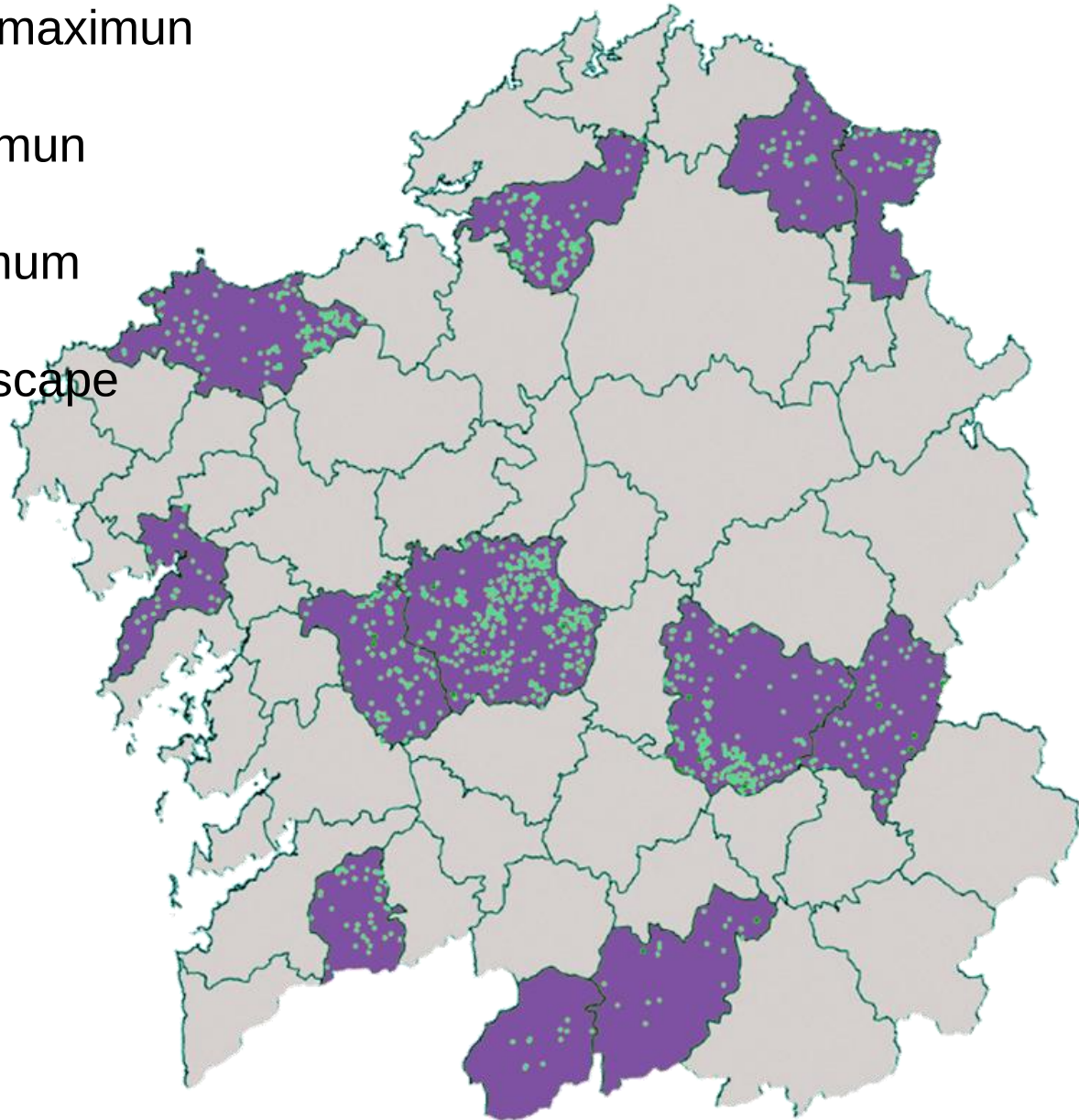
MULTIPURPOSE MAPS

**LESSONS FROM TWO (CONTEMPORARY) WIDE SURVEYS ON VERNACULAR ARCHITECTURE AND TRADITIONAL SETTLEMENTS
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CONDITIONS

- 1 Quality of vernacular arch.: maximum
- and
- 2 State of repair of v. a.: maximum
- and
- 3 Beauty of landscape: maximum
- and
- 4 Only natural objects in landscape



4. CONCLUSIONS FROM THESE TWO SURVEYS

TECHNICAL CONCLUSIONS

Surveying the vernacular heritage of Galicia and Asturias supposed an extraordinary technical challenge, successfully surpassed.



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CULTURAL CONCLUSIONS 1/3

Rurality (and its architecture) must be perceived as a **space of resistance** in front of the advance of the urbanity.



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CULTURAL CONCLUSIONS 2/3

Vernacular heritage (and also the traditional way of living) has been **destabilised** and in many cases, ruined because of a **new world economic system** for which the vernacular architecture is just a beautiful and **venerable accessory**.



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CULTURAL CONCLUSIONS 3/3

Actions must be taken to assist not only the **vernacular architecture** and the **vernacular landscape**, but **all the non-urban society**.



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GUIDELINES TO DRAW VERNACULAR ARCHITECTURE`S FUTURE 1/3

The approach to vernacular mustn't be idyllic, as reality isn't so sweet.
Farmers do not wake up every morning to make up farms and landscape to be *ready* for urban visitors.



LESSONS FROM TWO (CONTEMPORARY) WIDE SURVEYS ON VERNACULAR ARCHITECTURE AND TRADITIONAL SETTLEMENTS
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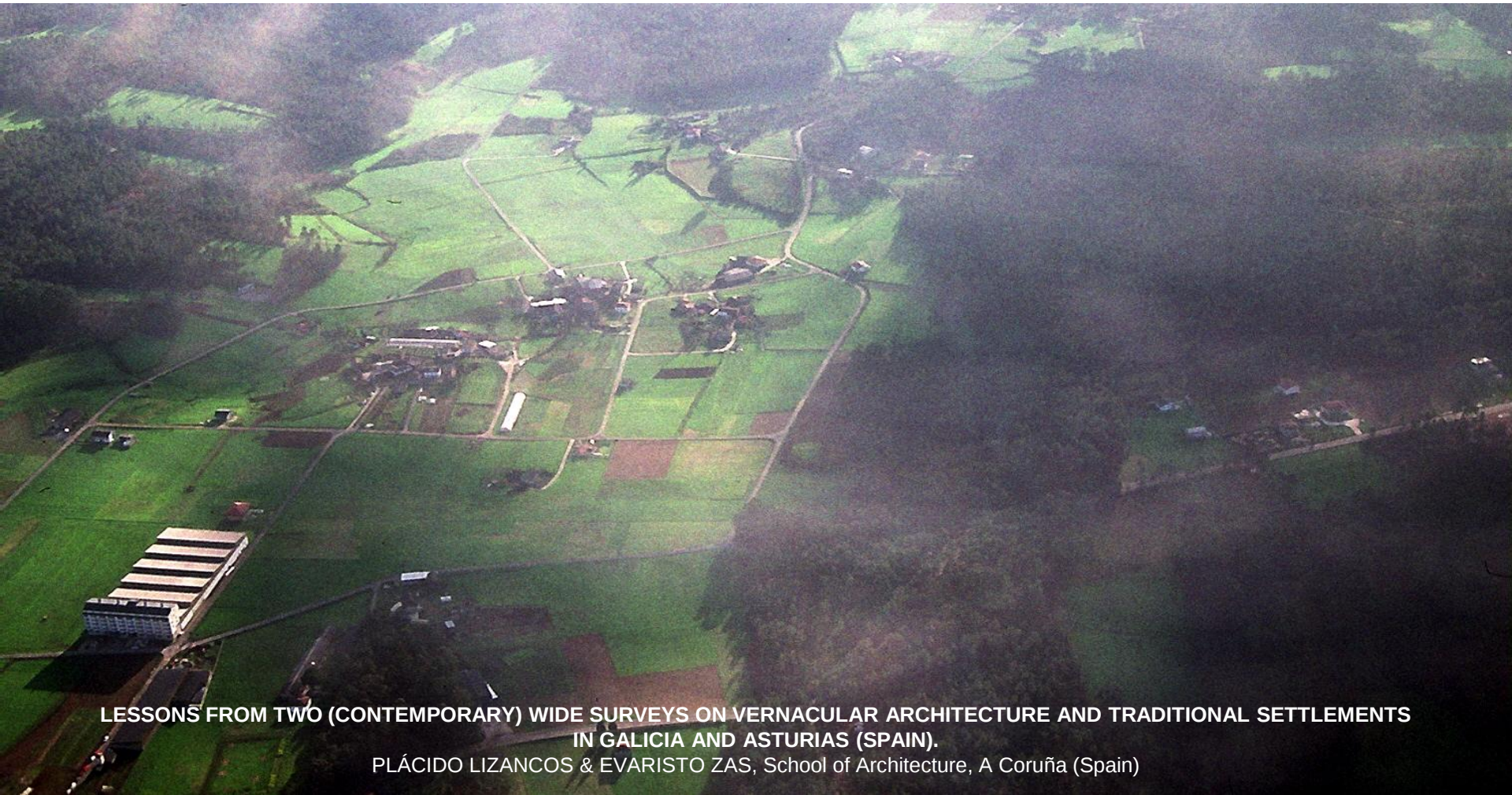
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GUIDELINES TO DRAW VERNACULAR ARCHITECTURE`S FUTURE 2/3

The apathy and indifference aren't the right ways of doing.

Hamlets don't draw **spontaneously** to the best of possible destinations, as in the past did, because of the work of anonymous people.

Today **others are the dynamic vectors** which are responsible of the initiative of the development.



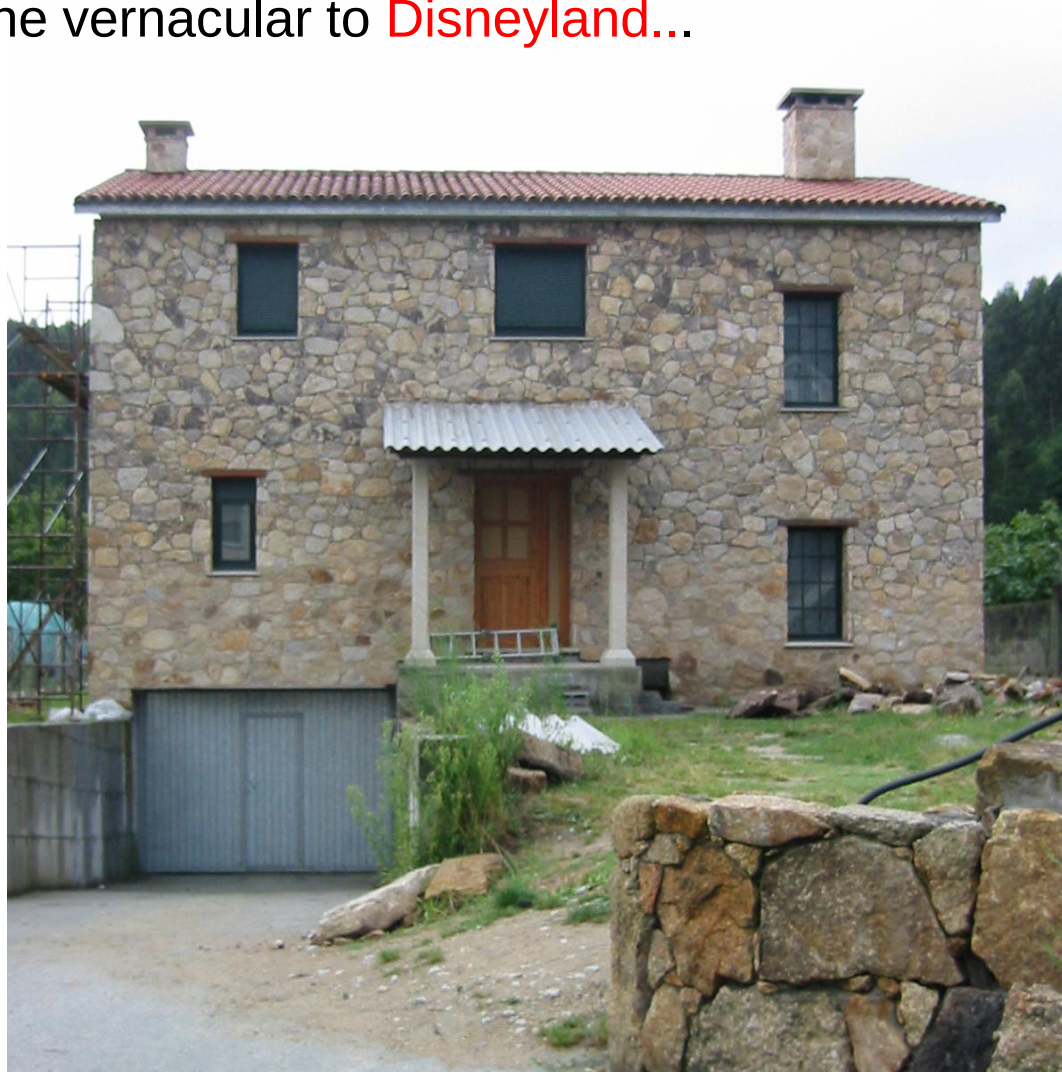
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GUIDELINES TO DRAW VERNACULAR ARCHITECTURE`S FUTURE 3/3

It's worthless to turn to hyper tradition to obtain right responses.

The application of strategies, refractory to the contemporary and globalisation usually draws the vernacular to **Disneyland...**



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...and that might be the worst end!



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COLOPHON

Now on, we (in Europe), are going to live in the stage of **the end of the tradition.**

We must recognize the evidence of the loss of the vernacular inheritance.

But to improve the life in this dying Europe, vernacular architecture must be required...



...TO BE CONTINUED

obrigado

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LESSONS FROM TWO (CONTEMPORARY) WIDE SURVEYS ON VERNACULAR ARCHITECTURE AND TRADITIONAL SETTLEMENTS
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