



Socially Situated Architectural Pedagogies

- SArPe -

The Rehabilitation of “La Casa Invisible” - Chapter 1

La Rehabilitación de la Casa Invisible - Capítulo 1

March 2024



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Project Title: La Rehabilitación de “La Casa Invisible” - Capítulo 1

Project n.: KA220-HED-3F79CC60

Project Duration: 3 years

Start Date: 19 noviembre 2023 (Workshop)
2023 (Workshop)

End Date: 21 noviembre

Workpackage WP3: Teaching, Learning and Training activities

Assurance Date of Delivery:

Outputs: Documentary reports

Quantitative indicators: The activity was conducted by 16 teachers and 135 people participated.

Qualitative indicators: The attendees were citizens of Malaga, members of “La Casa Invisible” (The Invisible House) collectives, artisans and undergraduate and master's students from the Schools of Architecture of Malaga and Seville, leading to interaction among different ages, professional backgrounds and origins.

The workshops were free of charge and had a maximum number of 20 participants per group in each workshop.

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Confidentiality Status: Restricted

Authors (Partner Institution): Fundación de los Comunes - La Casa Invisible (organiser)

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Internal peer review: Guido Cimadomo and Ingrid Vargas

Abstract (for dissemination):

This activity was carried out as part of the project "*La Rehabilitación de la Casa Invisible - Capítulo 1*" (The Rehabilitation of the Invisible House - Chapter 1), an artistic and architectural event in which three workshops were held involving students from the architecture schools of Malaga and Seville, as well as other social and professional collectives related to the field. Theoretical and practical activities were conducted, including the construction of furniture and a full-scale prototype of structural timber-framed floor. Additionally, restoration work was carried out on wooden carpentry and metal grilles.



2. Aims and objectives

The workshops were held on November 19, 20, and 21, 2023, and their contents coincide with the main lines that determine the intervention criteria and implementation processes of the “*Proyecto de Rehabilitación de la Casa Invisible*” (The Rehabilitation of the Invisible House Project), a document drafted in 2016 commissioned by the *Fundación de los Comunes* at the request of the City Council of Malaga.

The activity carried out under the framework of the SARPE project aims to involve architecture students in real processes of management and rehabilitation of buildings in a specific social and urban context. This teaching action aligns with the need to promote revitalization processes in the historic centre, both in aspects related to citizen participation and in the implementation of building rehabilitation strategies that encourage the use of traditional materials and construction techniques.

Version	Date	Comment	Authors
v1.0	19/03/2024	Original version	José Manuel López Osorio
v.1.1	18/4/2024	Revised version	Guido Cimadomo

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1. Introduction

“La Casa Invisible” (The Invisible House) is a social and cultural centre located in a building in the historic city centre of Malaga, which was built in the 19th century and presents significant architectural features. In this building, research is being carried out into maintenance and conservation actions by collectives and associations that carry out their activities in its spaces. Likewise, research and teaching activities are being carried out by the University of Malaga and other national and international universities.

The activity developed by the SARPE project was integrated into the useful art project: “*La Rehabilitación de la Casa Invisible - Capítulo 1*” (The Rehabilitation of the Invisible House - Chapter 1), an event that combined artistic and architectural actions, in which three workshops were carried out involving undergraduate and master's students from the architecture schools of Malaga and Seville, as well as artisans and members of the collectives that developed their activities in the house.

3. Aims and objectives

The workshops were held on November 19, 20, and 21, 2023, and their contents coincide with the main lines that determine the intervention criteria and implementation processes of the “*Proyecto de Rehabilitación de la Casa Invisible*” (The Rehabilitation of the Invisible House Project), a document drafted in 2016 commissioned by the “*Fundación de los Comunes*” (Commons Foundation) at the request of the City Council of Malaga.

The activity developed by the SARPE project aims to incorporate architecture students in real processes of management and rehabilitation of buildings in a specific social and urban context. This educational action is linked to the need to promote revitalisation processes in the historic centre, both in aspects related to citizen participation and in the implementation of building rehabilitation strategies that encourage the use of traditional materials and construction techniques.



Figure 1: Poster of the activity

Workshop Internacional: <i>La Rehabilitación de la Casa Invisible - Capítulo 1</i> <i>The Rehabilitation of the Invisible House - Chapter 1</i> Málaga, 19-21 noviembre 2023		
PRESENTACIÓN: Domingo 19 (18:30-20:30 h.) Libia Castro & Ólafur Ólafsson // José Manuel López Osorio // Alexander Vollebregt // Eduardo Serrano // Ildefonso Narváez // Guido Cimadomo // Gemma Medina Estupiñán // Snorri Freyr Hilmarsson		
TALLERES: Lunes 20 y martes 21 (16:00-20:30 h.) 3 talleres que serán impartidos simultáneamente, repitiéndose dos veces a lo largo de la tarde, con sesiones de 2 h. de duración // 6 grupos con 20 personas máximo		
CLAUSURA: Martes 21 (20:30 h.) Visita a talleres // Encuentro en el Patio de la Invisible		
Taller 1: <i>ACTIVANDO SENTIDOS COMUNES // ACTIVATING COMMON SENSES</i>		
José Lahlé_T11-Espacio Creativo // Eduardo Serrano y José María Romero_Fundación Rizoma // Alexander Vollebregt_TU-Delft // Snorri Freyr Hilmarsson // Carmen Muñoz González_UMA		
CONTENIDOS: - El sentido de lo común. - Mantenimiento y cuidados - El sentido ecológico - Sostenibilidad social, cultural y medioambiental - Resiliencia, reuso, reciclaje y cultura Maker	Aplicaciones: - Inercia térmica - Transmisión térmica - Ventilación e iluminación natural - Aislamiento - Análisis ciclo de vida ACV+ Evaluación sostenibilidad	Producción: DISEÑO Y CONSTRUCCIÓN DE MOBILIARIO Mesa multifuncional
Taller 2: <i>CONSERVANDO SISTEMAS ESTRUCTURALES // PRESERVING STRUCTURAL SYSTEMS</i>		
Gianluca Stasi_Ctrl-Z // José Manuel López Osorio_UMA // Jonathan Ruiz Jaramillo_UMA		
CONTENIDOS: - Concepto integral estructura-cerramiento - Refuerzo de forjados de madera - Eficiencia estructural de muros de fábrica - Modelización y cálculo estructural	Aplicaciones: - Refuerzos estructurales de forjados de madera - Prototipo 1/1: Modelización de forjado de madera - Pruebas de carga y comprobación de flecha	Producción: CONSTRUCCIÓN DE FORJADO DE MADERA Prototipo 1:1
Taller 3: <i>RECUPERANDO ARTESANÍAS Y TÉCNICAS TRADICIONALES // RECOVERING CRAFTS AND TRADITIONAL TECHNIQUES</i>		
T11-Espacio Creativo // José Manuel López Osorio_UMA // Guido Cimadomo_UMA // Alicia Carrió		
CONTENIDOS: - Producción artesanal y procesos contemporáneos - Recuperación de técnicas tradicionales	Aplicaciones: - Restauración de carpinterías de madera - Reparación de vidrios en carpintería histórica - Reparación y tratamiento de balcones y rejas	Producción: RESTAURACIÓN DE CARPINTERÍA y REJERÍA Madera, vidrio y metal
Concepto y desarrollo: Libia Castro & Ólafur Ólafsson // José Manuel López Osorio		
Coordinación proyecto: Gemma Medina Estupiñán // Gianluca Stasi_Ctrl-Z // Alexander Vollebregt		
Coordinación La Casa Invisible y ayuda en instalación: Andrea Ramírez Boglioli // Carlos Sanjuán // Javier Medina // Nahuel Rodríguez Chumillo		
Colaboran: Fundación Mondrian (Países Bajos) // Erasmus+ KA220-HED_Project SARPE // eAM_Universidad de Málaga // ETSA_Universidad de Sevilla Ctrl-Z // Taller T11-Espacio Creativo // Arte Útil // Fundación Rizoma // Grupo investigación Ingentes// Fondo Becas de Artistas (Islandia) // Fundación de los Comunes		
NOTA: Los participantes en los diferentes talleres se dividirán en dos grupos de trabajo (max. 20 personas), siendo flexible la asistencia y participación según disponibilidad de horarios. Durante el workshop se realizarán filmaciones de los talleres. Los resultados se exhibirán en la Casa Invisible del 02-12-2023 al 21-01-2024, en la muestra que, con el mismo título, recogerá también otros trabajos realizados este último año en el marco del proyecto: "La Rehabilitación de la Casa Invisible - Capítulo 1".		

Figure 2: Contents of the workshops

Workshop Internacional:	La Rehabilitación de la Casa Invisible - Capítulo 1 The Rehabilitation of the Invisible House - Chapter 1 Málaga, 19-21 noviembre 2023		
PRESENTACIÓN			
Domingo 19 (18:30-20:30 h.)			
Bloque 1:			
18:30-19:30 Libia Castro // Eduardo Serrano // Ildelfonso Navvée // José Manuel López Osorio // Libia Castro & Ólafur Ólafsson			
19:30-19:45 DEBATE 1			
Bloque 2:			
19:45-20:15 Guido Cimadomo // Alexander Vollebregt // Gemma Medina Estupiñán			
20:15-20:30 DEBATE 2			
Taller 1: <i>ACTIVANDO SENTIDOS COMUNES // ACTIVATING COMMON SENSES</i>			
LUNES 20 (16:00-17:45 h. // 18:15-20:00 h.)		MARTES 21 (16:00-18:00 h. // 18:30-20:30 h.)	
Concepto:	Producción:	Concepto:	Producción:
<i>Sala Dorada</i>	<i>Sala de Exposiciones</i>	<i>Sala Dorada</i>	<i>Sala de Exposiciones</i>
Moderan: Libia Castro Gemma Medina Estupiñán		Moderan: Libia Castro Gemma Medina Estupiñán (cr.)	
Eduardo Serrano José María Romero Ólafur Ólafsson	José Laulhé	Eduardo Serrano Snorri Freyr // Ólafur Ólafsson Alexander Vollebregt (B)	José Laulhé
Alexander Vollebregt (A) <i>RECORRIDO NOSQUERA</i>		Carmen Muñoz González <i>RECORRIDO NOSQUERA</i>	
Taller 2: <i>CONSERVANDO SISTEMAS ESTRUCTURALES // PRESERVING STRUCTURAL SYSTEMS</i>			
LUNES 20 (16:00-17:45 h. // 18:15-20:00 h.)		MARTES 21 (16:00-18:00 h. // 18:30-20:30 h.)	
Concepto:	Producción:	Concepto:	Producción:
<i>Sala de la chimenea</i>	<i>Patio de la Invisible</i>	<i>Sala de la chimenea</i>	<i>Patio de la Invisible</i>
José Manuel López Osorio <i>RECORRIDO NOSQUERA-A. PÉREZ</i>		José Manuel López Osorio <i>RECORRIDO NOSQUERA-A. PÉREZ</i>	
José Manuel López Osorio Jonathan Ruiz Jaramillo	Gianluca Stasi	José Manuel López Osorio Jonathan Ruiz Jaramillo	Gianluca Stasi
Taller 3: <i>RECUPERANDO ARTESANÍAS Y TÉCNICAS TRADICIONALES // RECOVERING CRAFTS AND TRADITIONAL TECHNIQUES</i>			
LUNES 20 (16:00-17:45 h. // 18:15-20:00 h.)		MARTES 21 (16:00-18:00 h. // 18:30-20:30 h.)	
Concepto:	Producción:	Concepto:	Producción:
<i>Andrés Pérez (Pl. primera)</i>	<i>Andrés Pérez (Pl. primera)</i>	<i>Andrés Pérez (Pl. primera)</i>	<i>Andrés Pérez (Pl. primera)</i>
Carlos Sanjuan <i>RECORRIDO NOSQUERA-A. PÉREZ</i>		Alicia Carrió <i>RECORRIDO NOSQUERA-A. PÉREZ</i>	
Alicia Carrió Guido Cimadomo José Manuel López Osorio	T11-Espacio Creativo	Alicia Carrió Guido Cimadomo José Manuel López Osorio	T11-Espacio Creativo

Figure 3: General programme and schedule of speakers



4. Methodology and activities

The activities developed were organised over three days. The first one took place on Sunday, November 19, 2023 (18:30-20:30), during which a general introduction to the project was carried out. The “Proyecto de Arte útil” (Project of Useful Art) and the Basic Project for the Rehabilitation of “La Casa Invisible” were presented, along with other related project initiatives. In the following two sessions, held on Monday, November 20, and Tuesday, November 21 (16:00-20:30), three thematic workshops were simultaneously conducted with the participation of specialists in different disciplines. The workshops consisted of 2-hour sessions organised into two groups with a maximum of 20 participants each. These sessions were divided into theoretical sessions and practical activities aimed at delving into the specific concepts of each workshop. The cross-organization of activities allowed attendees to participate in all workshops.

On the last day, a meeting was held for all participants and attendees of the workshop, where a joint review of the different activities was carried out. The theoretical and practical contents of each of the workshops are presented below:

Workshop 1: **ACTIVANDO SENTIDOS COMUNES // ACTIVATING COMMON SENSES**, addressed the social, identity, ecological, and environmental components of the “La Casa Invisible” building, promoting the reuse of existing spaces and their adaptation to new functions. In the practical sessions, the assembly of multifunctional design furniture was carried out.

Workshop 2: **CONSERVANDO SISTEMAS ESTRUCTURALES // PRESERVING STRUCTURAL SYSTEMS**, aimed to enhance the structural elements of the building, both the brick load-bearing walls and the wooden slabs and reinforcements. During the practical sessions, a 1:1 scale wooden slab prototype was built, which reproduced the existing model of the building and was reinforced with wooden elements to improve its structural behaviour. The participating students carried out a load test of the prototype, checking the structural deformations of the model.

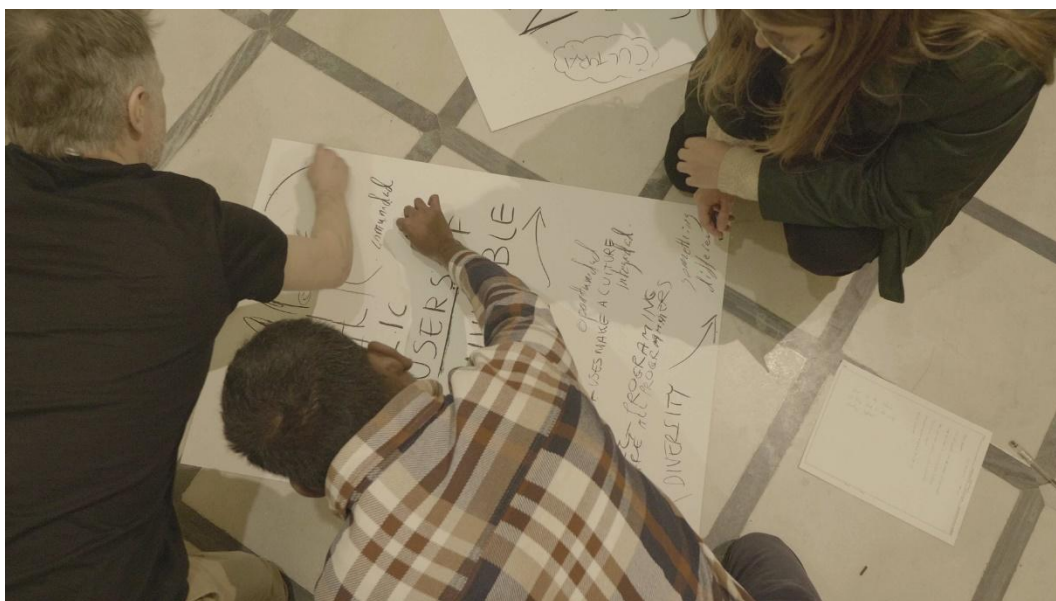
Workshop 3: **RECUPERANDO ARTESANÍAS Y TÉCNICAS TRADICIONALES // RECOVERING CRAFTS AND TRADITIONAL TECHNIQUES**, aimed to promote craft production as a contemporary process to encourage user and resident participation in the maintenance and care of the building. The practical sessions involved the restoration of wooden carpentry, as well as glass and historic ironwork.



Figure 4: Distribution of the workshop activities



Workshop 1: Activating common senses // Activando sentidos comunes



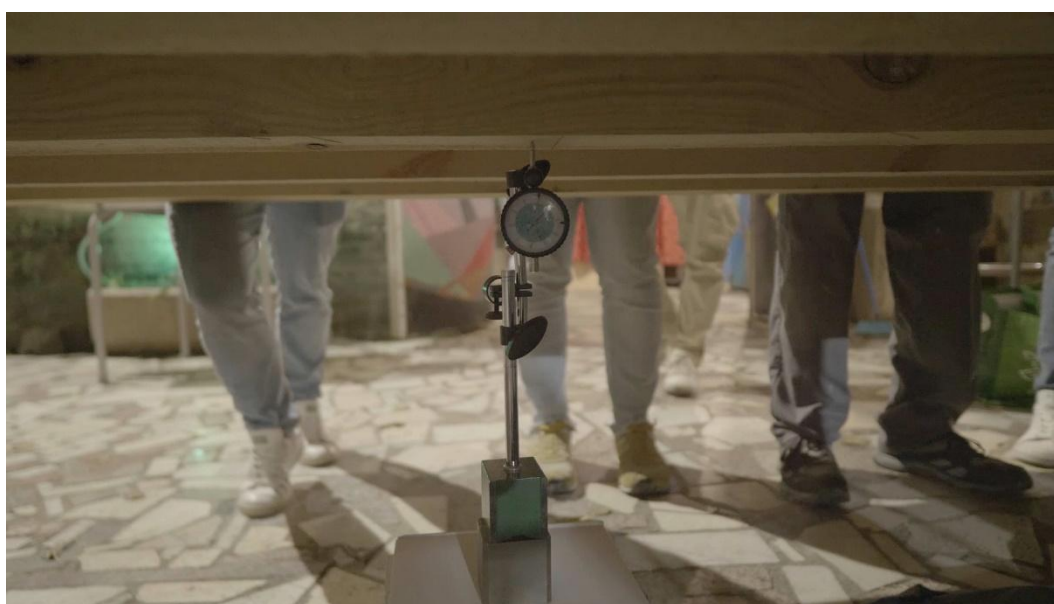
Workshop 1: *Activando sentidos comunes // Activating common senses*



Workshop 1: Activating common senses // Activando sentidos comunes



Workshop 2: *Conservando sistemas estructurales // Preserving structural systems*



Workshop 2: *Conservando sistemas estructurales // Preserving structural systems*



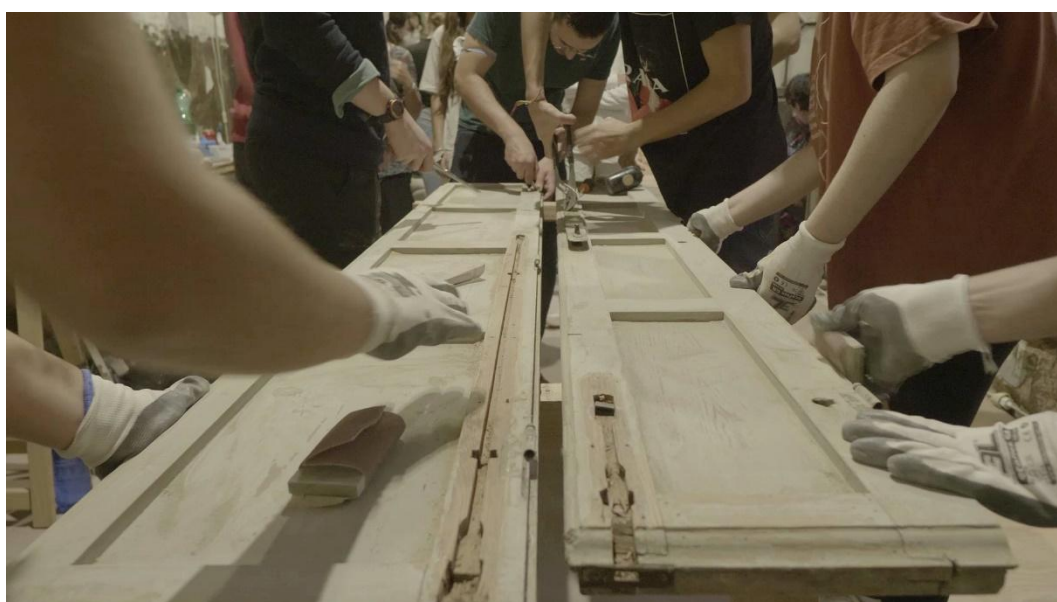
Workshop 2: *Conservando sistemas estructurales // Preserving structural systems*



Workshop 2: *Conservando sistemas estructurales* // Preserving structural systems



Workshop 3: Recuperando artesanías y técnicas tradicionales // Recovering crafts and traditional techniques



Workshop 3: Recuperando artesanías y técnicas tradicionales // Recovering crafts and traditional techniques



Workshop 3: Recuperando artesanías y técnicas tradicionales // Recovering crafts and traditional techniques



5. More activities

The holding of the workshop, together with other activities carried out in the framework of the project “*La Rehabilitación de la Casa Invisible - Capítulo 1*” (The Rehabilitation of the Invisible House - Chapter 1), as well as the material results produced (furniture, structural timber-framed floor, restored carpentry, etc.) served as the basis for an exhibition that was held at the “*La Casa Invisible*” in Malaga between December 2, 2023 and January 2, 2024.

One of the objectives of the exhibition was to disseminate to the general public the concepts developed in the workshop, such as the interaction between theory and practice of social, ecological, and sustainable architecture, as well as the recovery of traditional techniques and knowledge. All of this was applied not only to the “*La Casa Invisible*” building in Malaga but also to other similar examples throughout the city.

Conclusions

The workshop was a meeting between architecture students and the collectives working at “*La Casa Invisible*”, developing participatory actions that constitute a real activity for the development of applied technologies, with a high degree of integration between theory and practice and enormous cultural and social potential.