



COMARCA DE LA
JACETANIA

COMMUNITY COMPOSTING IN THE ARAGONESE PYRENEES

WHERE?

Comarca de la Jacetania

**NORTHERN REGION OF
ARAGÓN**

Comarca Jacetania



Fact-sheet: Comarca Jacetania



Photo credit: Cima Norte

- Total population aprox. 18.235
- 30 villages/towns
- Town of Jaca 13.100
- 40-50% area is protected
- Protected Natural Park Valles Occidentales
- Protected Landscape San Juan de la Peña y Monte Oroel



Photo: Comarca Jacetania



Photo: Wikipedia



Photo: Comarca Jacetania

Comarca Jacetania



Photo: Comarca Jacetania

24 Villages
in target
area



NAVARRA

FRANCIA

Total population
density: 9,59

ALTO
GÁLLEGO

Population
density in target
area: 3,75
hab/km²



HOYA
DE HUESCA

Fact-sheet: Comarca Jacetania

Population
density in target
area: 3,75
hab/km²

Total population
in target area:
3100 aprox.

Total population participating
in the community compost
program: 1134 aprox.
36%

Comarca Jacetania

Waste materials	Tons/year
Waste to landfill	2.553
Plastic metal packaging	108,55
Paper packaging	159,44
Glass	207
Total	3.028

Distance to the landfill
100 km

Until 2017 no
organic waste
collection

3,75

POPULATION DENSITY IN TARGET AREA

OUR GOALS

AWARENESS

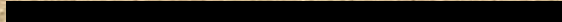
Understand the value
of organic waste

IMPLEMENTATION

Set up community
composting sites in
24 rural villages

PARTICIPATION

Encourage citizens to
get involved and
accompany them in
the process



OUR PLAN'S OVERVIEW

01 WASTE
CHARACTERIZATION

130.000 Euros

02 COMMUNITY COMPOST
SITES
IMPLEMENTATION AND
TRAINING



03 SCHOOLS AND
CANTINES TRAINING

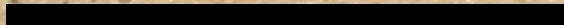
OUR APPROACH

WASTE CHARACTERIZATION

WHY SEPARATING ORGANIC
WASTE?

COMMUNITY COMPOST TRAINING

HOW DOES A COMMUNITY
COMPOST SITE WORK?

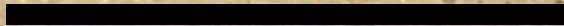


01

**WASTE
CHARACTERIZATION**

BENEFITS OF WASTE CHARACTERIZATION

- Helps understand what's in the waste streams
- Estimates the amount of certain materials, a first step in devising ways to reduce waste and recycling programs
- Offers a visual educational tool



STEPS

OUTREACH



01

**CHARACTERIZATION
IN SITU**

02

03

04

WORKSHOP

DATA COLLECTION

STEPS

OUTREACH



01

La Asociación del Ciudadano de la materia orgánica para el compostaje

En la Comarca de la Sactania estamos poniendo en marcha un proyecto de compostaje comunitario para tratar la materia orgánica de los domicilios, materia que supone casi la mitad de nuestros residuos domiciliarios.

Ven a informarte y descubre cómo puedes participar y ayudar a conseguir que la materia orgánica del cubo de la basura se convierta en fertilizante de alta calidad de manera natural gracias al compostaje comunitario.

Explicaremos cómo separar los residuos correctamente, cómo diferenciar la materia orgánica, qué es el compostaje y sus beneficios para el medio ambiente y para los suelos.

Para que el proyecto sea un éxito, necesitamos tu colaboración.



Se busca para reciclar

Convertir tus residuos orgánicos en abono natural es fácil



Urdués,
Sábado 19 de octubre 16:00 horas
Salón social



STEPS

OUTREACH



01



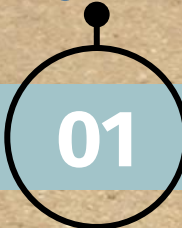
02

WORKSHOP

- Current situation (data)
- Landfill
- Reminder of different waste fractions and the different waste streams

STEPS

OUTREACH



**CHARACTERIZATION
IN SITU**



WORKSHOP
WASTE FRACTIONS



How?

Garbage
Organic
Plastic metal packaging
Paper packaging
Glass
Others

- Randomly samples of waste discarded to landfill
- Sort it in material types
- Weigh them

Waste characterization in situ



Waste characterization in situ



STEPS

OUTREACH



01

**CHARACTERIZATION
IN SITU**

02

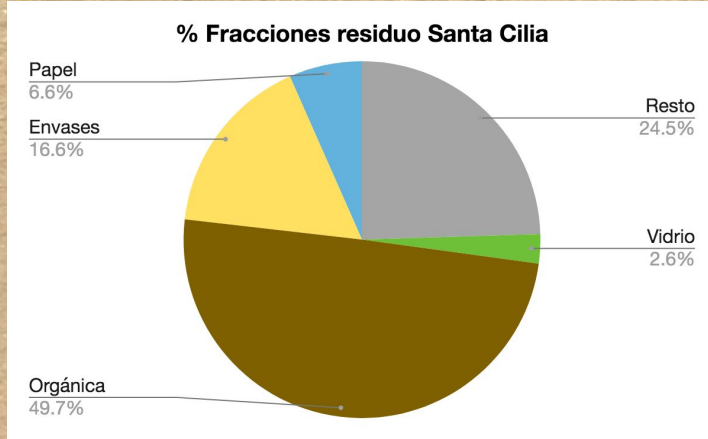
WORKSHOP

03

DATA COLLECTION

04

WASTE CHARACTERIZATION



PLASTIC 16%

PAPER 6%

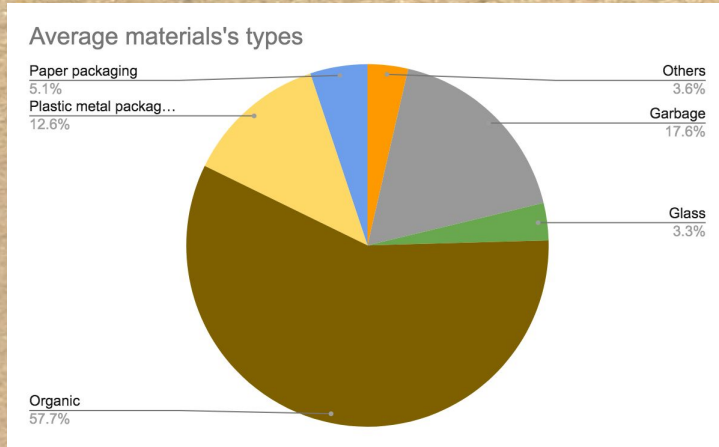
GLASS 3%

ORGANIC 49%

**NON RECYCABLE
WASTE 24 %**

WASTE CHARACTERIZATION

Average 20 locations



**PLASTIC, METAL
PACKAGING 12,65 %**

PAPER 5,12%

ORGANIC 57,68 %

GLASS 3,33 %

GARBAGE 17,62 %

OTHER 3,61 %

As a visual tool...

- Reminder: how to segregate waste at home
- Sensitize citizens of the need to reduce our waste production
- Create awareness: amounts of organic waste discarded in the landfill that could otherwise be valued

02

**COMMUNITY
COMPOST SITES
IMPLEMENTATION
AND TRAINING**



Modular slatted composter



Type of community composter made of wood-plastic slats, that can be removed to ease operational tasks

The modules can be joined together, sharing walls, to create composting sites of different treatment capacities

Modular slatted composter



Modular slatted composter



**BULK
MATERIAL**

COMMUNITY COMPOST TRAINING

HOW TO COMPOST

- Aerobic biological process
- Ingredients
- List of must!



HOW A COMMUNITY COMPOST SITE WORKS

- What goes where?
- How to throw it?
- Troubleshooting





Location of installed compost sites

COMPOSTERAS COMUNITARIAS ...
Seguimiento de la implementación de las composteras comunitarias en la Jacetania así como las acciones de seguimiento, evaluación.
7 views

All changes saved in Drive

Add layer + Share Preview

- Instaladas 2017-2019
 - Import
 - Add places to this layer by drawing or importing data. [Learn more](#)
- Target area
 - Individual styles
 - Target area
- Instaladas 2019-2021
 - Uniform style

Villarreal de la Canal

1 of 1

CARACTERIZACIÓN: SÍ
FORMACIÓN: SÍ

42.63996, -0.89075

Villarreal de la Canal

Map data ©2021 Inst. Geogr. Nacional Terms

FOLLOW UP...

OBSERVATION

TURN

WATER

**MAINTENANCE: PUBLIC
SERVICE OF COMARCA
JACETANIA**

PUBLIC SERVICE OF COMARCA JACETANIA



PUBLIC SERVICE OF COMARCA JACETANIA





03

**SCHOOLS AND
CANTINES
TRAINING**



SCHOOLS TRAINING (3-12 yrs)

- Problems associated with waste
- Why we separate waste? What goes where?
- Better practices than recycling: reduction. Examples of sustainable consumption habits
- The value of organic waste





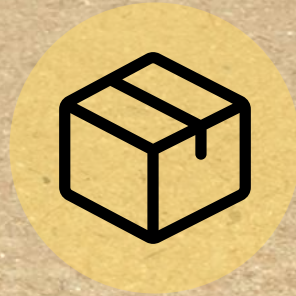
**EXERCISE:
SORTING OUT
WASTE
MATERIALS**

NEXT STEPS

EVALUATION

PARTICIPATION

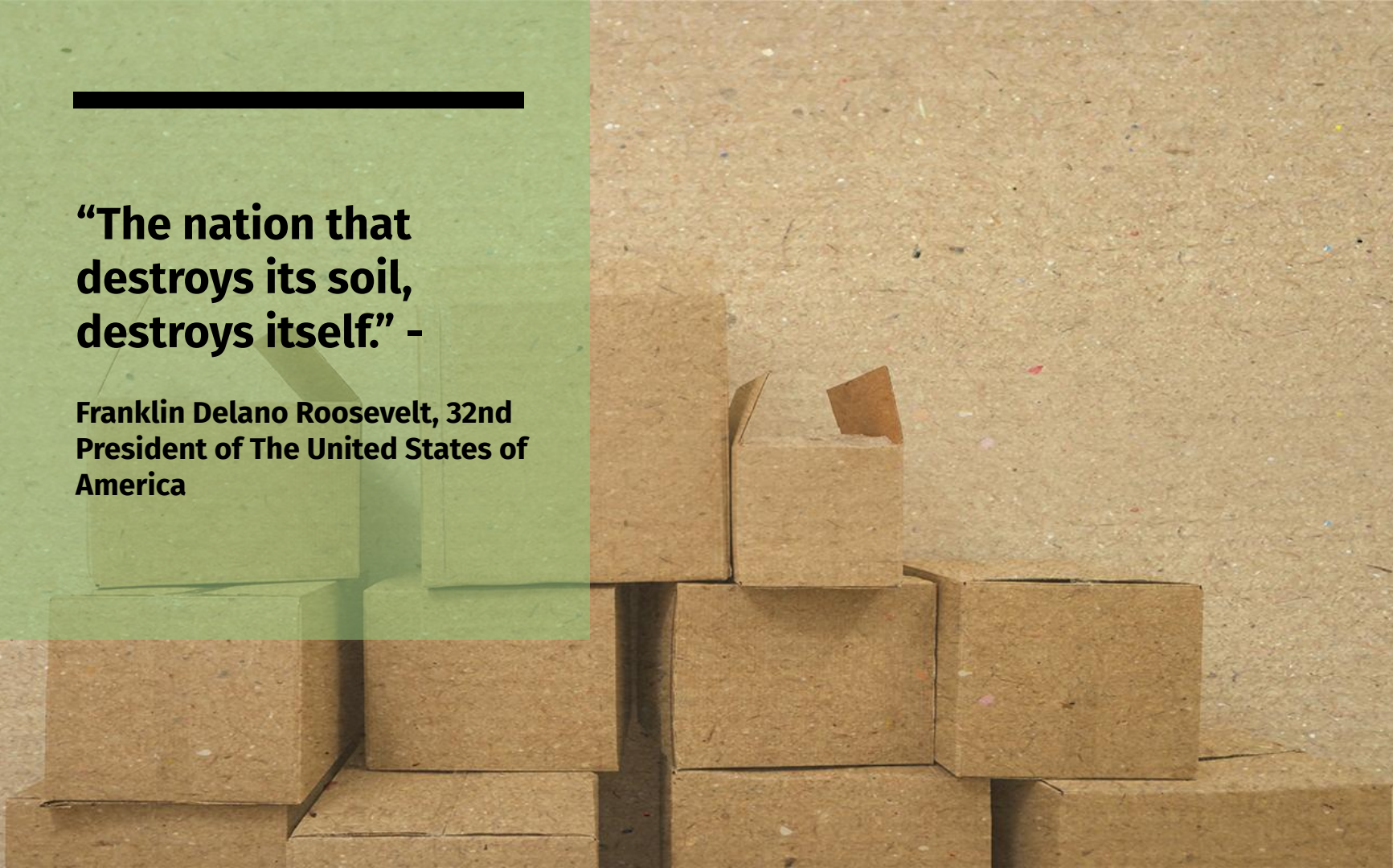
COMPOST ANALYSIS



OTHER GENERATORS

**“The nation that
destroys its soil,
destroys itself.” -**

**Franklin Delano Roosevelt, 32nd
President of The United States of
America**



THANKS

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