

The Canary Islands success story in eradicating red palm weevil

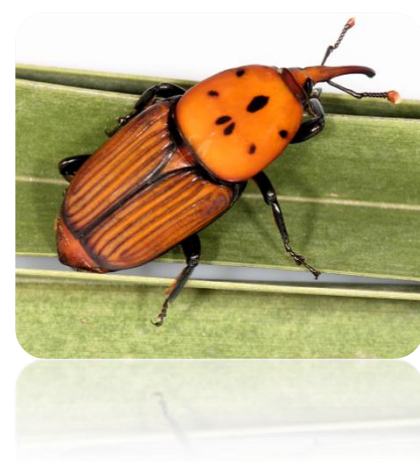
Scientific Consultation and High-Level Meeting
on Red Palm Weevil Management

Rome, 29–31 March 2017

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RPW Eradication Programme
Canary Islands





All the knowledge presently available on the RPW can perfectly enable the eradication

The main issue is not the lack of solution but the implementation of an efficient organization

The canaray island experience



First detection of RPW in Canary Islands

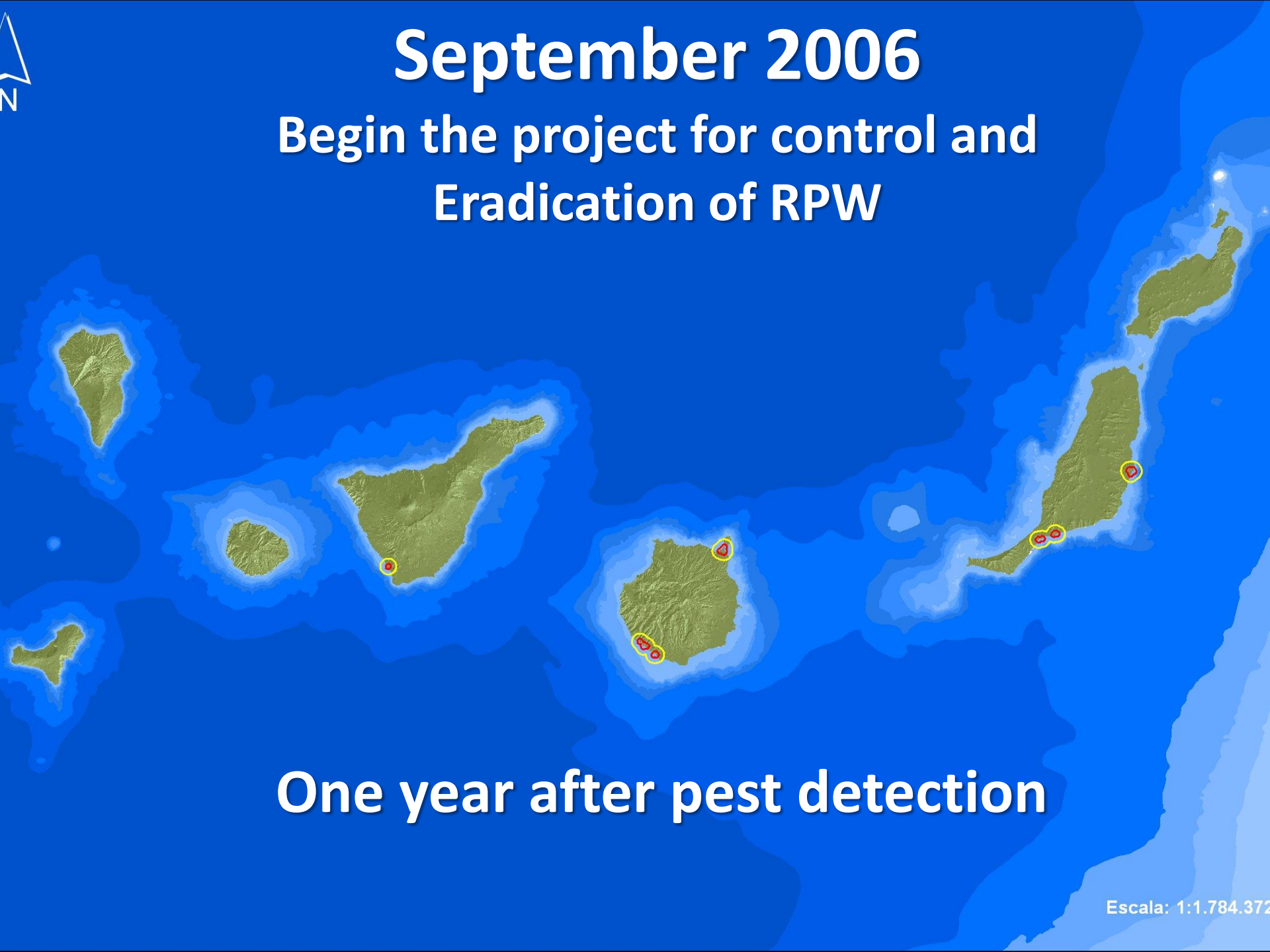
September 2005

December 2005



September 2006

Begin the project for control and Eradication of RPW



One year after pest detection

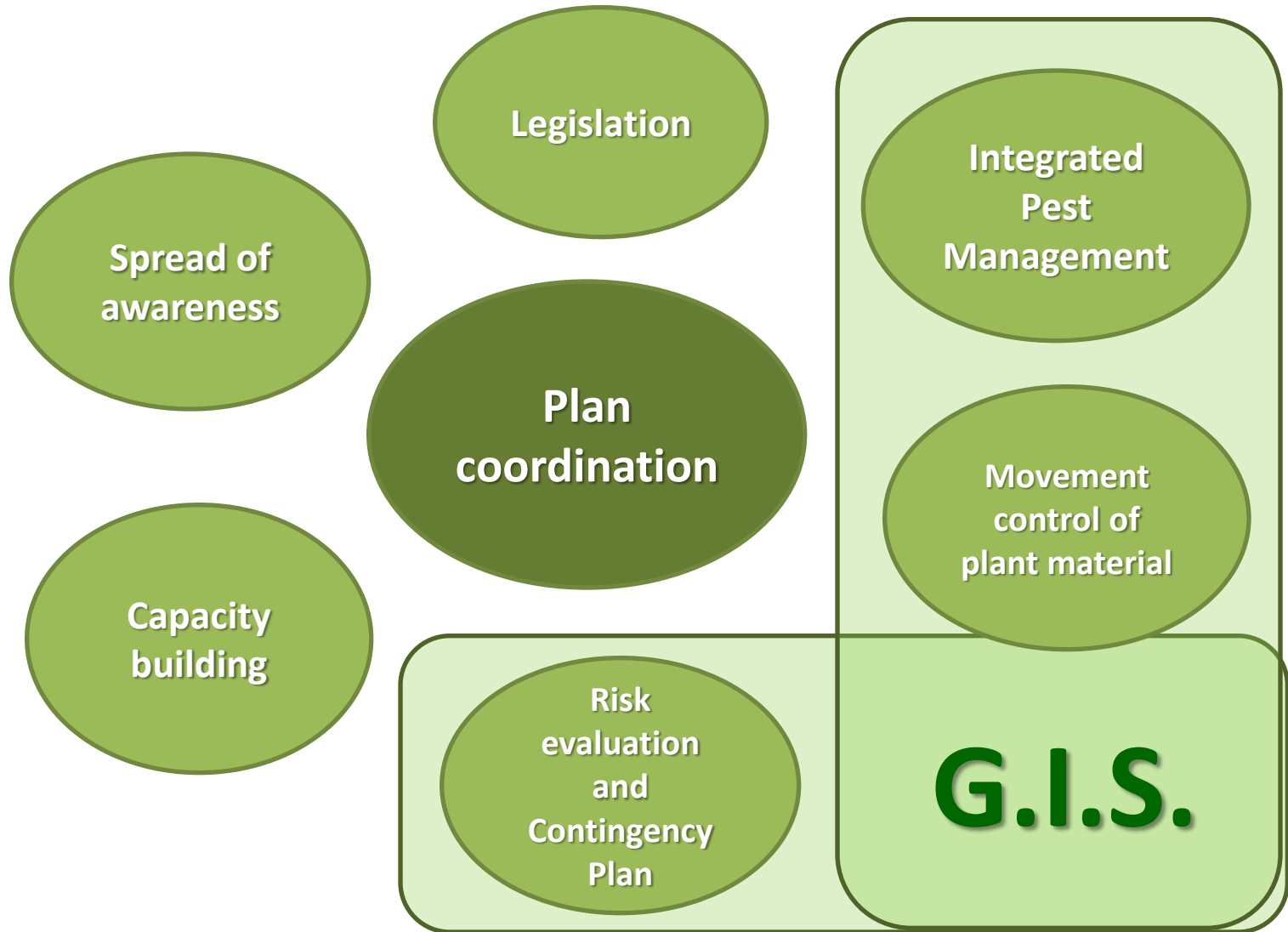
Current situation

In May 2016, the last foci has been declared free of RPW

Canary islands is free
of RPW



Program of control and eradication of RPW in Canary Islands





European legislation

Decision of the comission 25th May 2007



Spain legislation

ORDEN APA/94/2006, de 26 de enero



Canary legislation

Orden de 29 de octubre de 2007

Legislation



Legislative measures can be divided in:

- ✓ Reduced dispersion **by humans**
- ✓ Reduced populations or dispersion **by itself**



“La crisis”






The economic crisis reduced :

- The need of palms importation
- The number of transplants and movements of palms from nurseries

This fact reduce the spreading risk of the pest
The economic crisis was the best quarentine measure



Integrated Pest Management

-  **Visual inspections**
-  **Removal of infested palms**
-  **Chemicals treatments**
-  **Monitoring/ mass trapping**
-  **Cultural practices**

Areas delimitation and registation



A person wearing a green t-shirt, a yellow and black safety helmet with a headlamp, and yellow gloves is inspecting the trunk of a large palm tree. The person is standing to the right of the tree, reaching out to touch the trunk. The tree has a thick, textured trunk with many brown, dried fronds hanging from it. The background is filled with lush green foliage, including other palm trees and dense bushes. The scene is outdoors, likely in a tropical or subtropical environment.

IPM

Visual inspections

Goals:
**Early detection of infested
palms**

A person wearing an orange hard hat with a yellow light, safety glasses, a high-visibility yellow vest over a green shirt, and white gloves is inspecting a palm frond. The person is using a pair of pliers to cut the frond. The background is filled with dense palm fronds and green coconuts.

IPM

Intensive visual inspections

keys:

Intensive, regular and systematic inspections

The background image shows a sunny day with several tall palm trees in the foreground. Two workers wearing safety gear are climbing the trunks of two of the palm trees. In the background, a multi-story building with balconies is visible. A green oval in the top left corner contains the text 'IPM'.

IPM

Visual Inspections

keys:

- ✓ Around the traps with captures
- ✓ Around infested palms

Visual Inspections

IPM

keys:

- ✓ Qualified and specialized Staff

IPM

- Guided inspections around infested area
- Inspection by alerts





IPM

The image is a satellite map of Las Palmas de Gran Canaria. A red line forms a large, irregular boundary around a central urban area. Within this boundary, there are several green highlighted areas, likely representing infested zones. A black silhouette of a palm tree is located near the top center. A red palm tree icon is labeled 'Nueva palmera eliminada'. The text 'LAS PALMAS DE GRAN CANARIA' is visible in the upper left. A green oval in the top left corner contains the text 'IPM'. A green banner at the bottom contains the text 'Goals: Guided inspections: Surveillance around infested area'. A small green tree icon is in the bottom left. The text 'Foco de Almatriche' is in the top right, and 'Foco de las Palmas Sur' is in the bottom right.

Foco de
Almatriche

LAS PALMAS DE
GRAN CANARIA

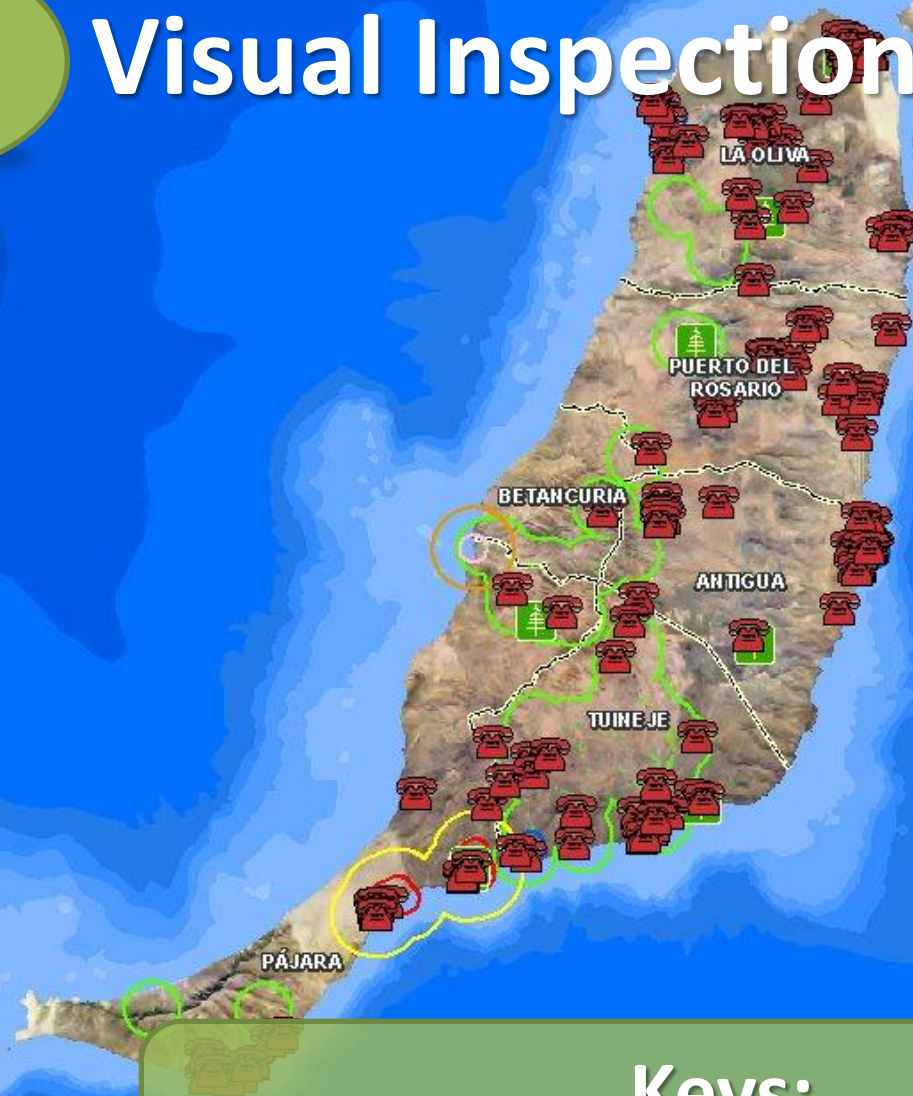
Nueva
palmera
eliminada

Goals:
Guided inspections: Surveillance around
infested area

Foco de las
Palmas Sur



Visual Inspections



Keys:

- ✓ **Inspections by alert**

Keys:

- ✓ **Inspections by alert**

Escala: 1:514.539

The background image shows a landscaping site where a palm tree is being removed. A large, textured palm trunk is on the left. In the foreground, a red and white STIHL chainsaw lies on the ground. A white bucket with a hole in its side sits on a white plastic sheet. Several black hoses are laid out on the dark mulch. In the background, there are various plants, including some with red leaves, and a building with a stone and orange facade.

IPM

Removal of infested palms

Main goal:

Prevent infested palms could infest
surrounding palm trees

IPM

Removal of infested palms

Keys:
✓ Speed : Removal in the first 24h





IPM

Removal of infested palms

Keys:

- ✓ Strict compliance of Removal protocol

IPM

Keys:
✓ Phytosanitary
treatments and
packaging



IPM





IPM

Keys:

✓ **Preburial Protocol: Crushing +
Chemical treatment**



IPM

Keys:

✓ Seal the stump, surveillance of weevils on the stump and trap captures





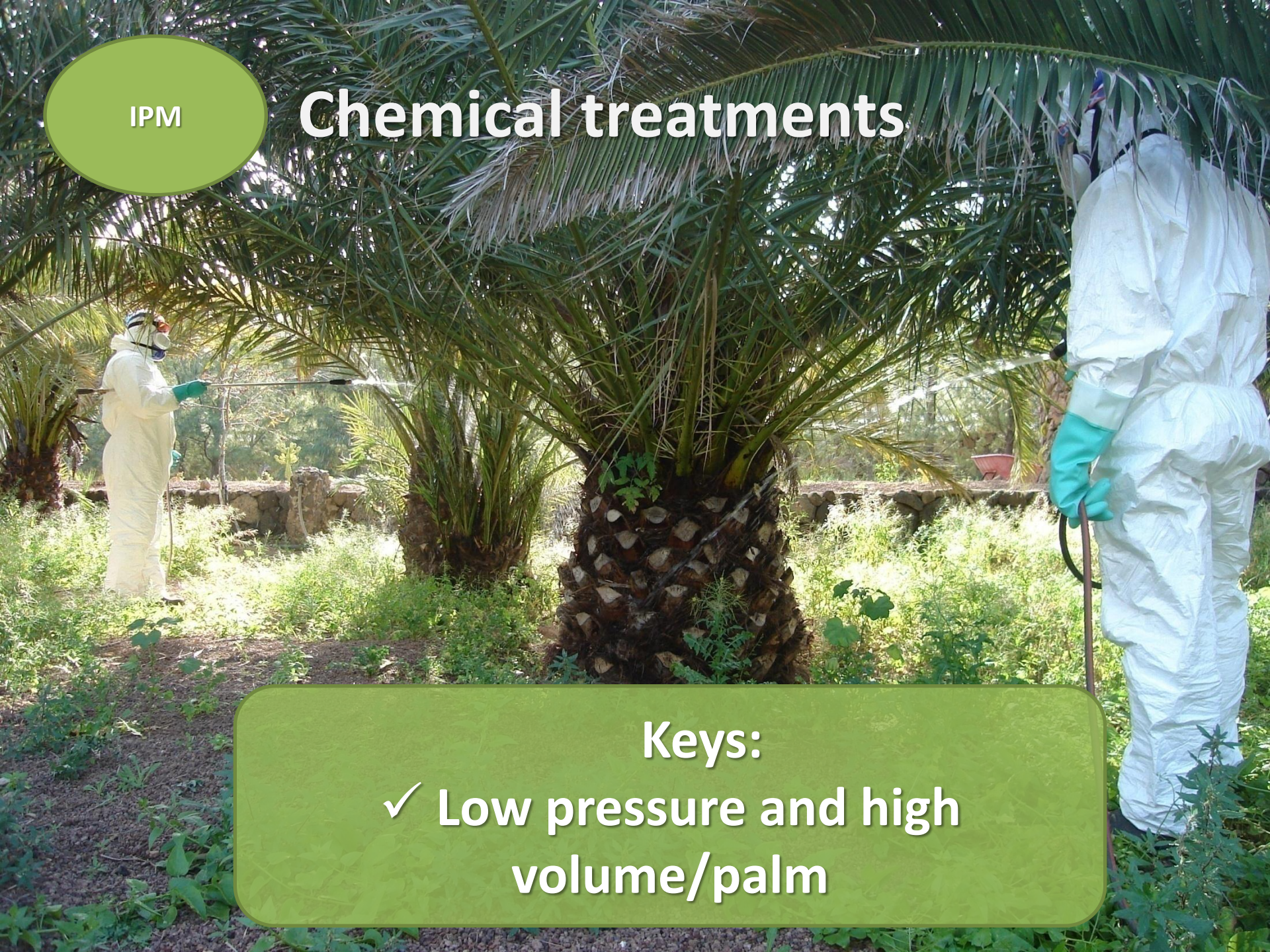
IPM

Chemical treatments

Goal:
Control of different stages present on the
palm superficial zone

IPM

Chemical treatments



Keys:

- ✓ Low pressure and high volume/palm

IPM

Chemical treatments



Keys:

✓ Continuos and systematic

IPM

Chemical treatments



Keys:

- ✓ Around each traps with captures
- ✓ Around each new infested palm detected

IPM

Traps networks

Goals:

- ✓ Attract adults into affected areas and avoid spread
- ✓ Mass trapping
- ✓ Monitoring
- ✓ Detect new infested areas



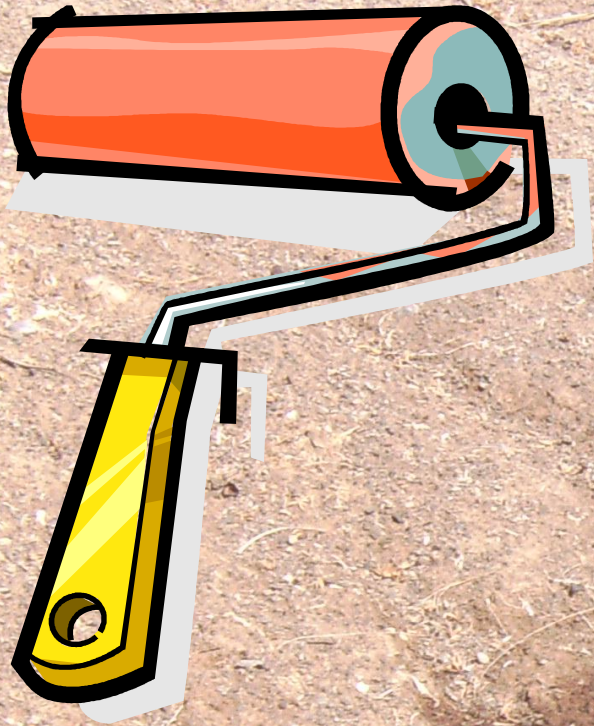
IPM

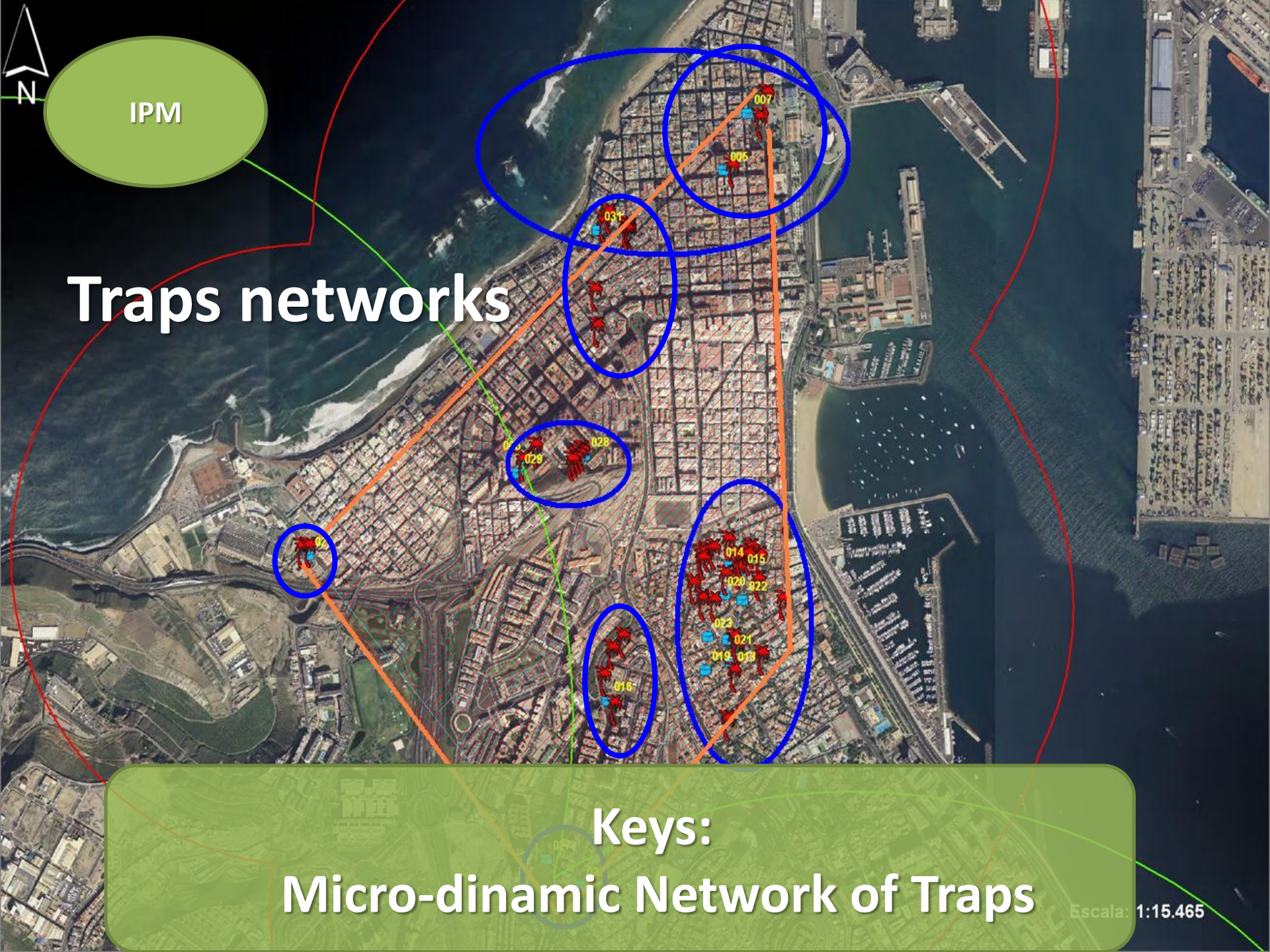
Traps networks



Keys:

- ✓ weekly catch control and maintenance





IPM

Cultural practices

- ✓ Pruning of few fronds
- ✓ Pruning of many fronds



Capacity
Building

Accreditation of companies and worker who make pruning or any cultural practices with palms



What is the main goal?

Make sure that the professionals who practice any labour on palms has good knowledge about:

- The RPW and correct management of Palms
- Measures and protocols of the order of 29 October 2007

Capacity
Building

Accreditation of companies and worker who make pruning or any cultural practices with palms

	Gobierno de Canarias	Consejería de Agricultura, Ganadería, Pesca y Alimentación DIRECCIÓN GENERAL DE AGRICULTURA
ACREDITACIÓN PARA REALIZAR PODAS Y PRÁCTICAS CULTURALES EN PALMERAS		
NIF:	Nº:	
Apellidos:		
Nombre:		
Dirección:		
Municipio:		
Las Palmas de Gran Canaria a,		
El Director General de Agricultura		
VALIDEZ DE 1 AÑO EN EL ÁMBITO DE LA COMUNIDAD AUTÓNOMA DE CANARIAS		



Movement
control of
plant
material

Movement control of plant material

Inspections in nurseries



Authorization of movements and trasplants



Nurseries control

- ✓ Control of incoming and outgoing palms
- ✓ Inventory control
- ✓ Visual inspections
- ✓ Chemical treatment
- ✓ Transit document control

Movement
control of
plant
material

Authorization of palms movements



Permit

Movement
control of
plant
material

Authorization of transplants

- ✓ The requests for transplants of palms located inside the hot spot protection area (5km) are denied
- ✓ Undertaken by certifiqeu companies



Risk
evaluation &
Contingency
Plan

Contingency plan

LAS PALMAS DE
GRAN CANARIA

Goal:

In a new area declared as infested, implement all measures in a fast and efficient way that allow us to reach a situation of control/eradication of the pest

Risk
evaluation &
Contingency
Plan

Contingency plan

Keys:

- ✓ Resources concentration
- ✓ Speedy implementation
- ✓ Removal of suspected palms
- ✓ Coordination of measures and with all involved actors

Spread of
awareness

Menú principal

- > Inicio
- > Situación Actual
- > Información general
- > Plan de Erradicación y Prevención
- > Plagas y enfermedades
- > Legislación
- > Acreditaciones
- > Dossier informativo
- > Galería de imágenes
- > Descargas
- > Enlaces
- > Preguntas frecuentes
- > Jornadas de Plagas y Enfermedades en Palmeras

Destacados

- > Video informativo
- > Spot publicitario
- > Comprueba tus conocimientos (test)
- > Dossier informativo
- > Manual buenas prácticas
- > Colabora con nosotros

Agentes implicados

Nombre de usuario

Contraseña

Recordarme ☐

Iniciar sesión

Suscríbete a nuestra web



Web informativa del picudo rojo en Canarias



Este sitio de internet ha sido creado para dar información a los ciudadanos y entidades públicas y privadas sobre el *Rhynchonphorus ferrugineus*, plaga de reciente introducción que está afectando a focos localizados en las islas de Gran Canaria, Fuerteventura y Tenerife.

En esta página se muestran las líneas de actuación que está desarrollando el Gobierno de Canarias a través de la Consejería de Agricultura, Ganadería, Pesca y Alimentación y la Consejería de Medio Ambiente y Ordenación Territorial del Gobierno de Canarias, mediante las empresas públicas Gestión del Medio Rural en Canarias S.A.U. y Gesplan S.A.U.

Dichas actuaciones van encaminadas a proteger el palmeral canario (uno de los entornos más representativos de nuestra biodiversidad y paisaje), presente en la totalidad de las islas que conforman el Archipiélago.

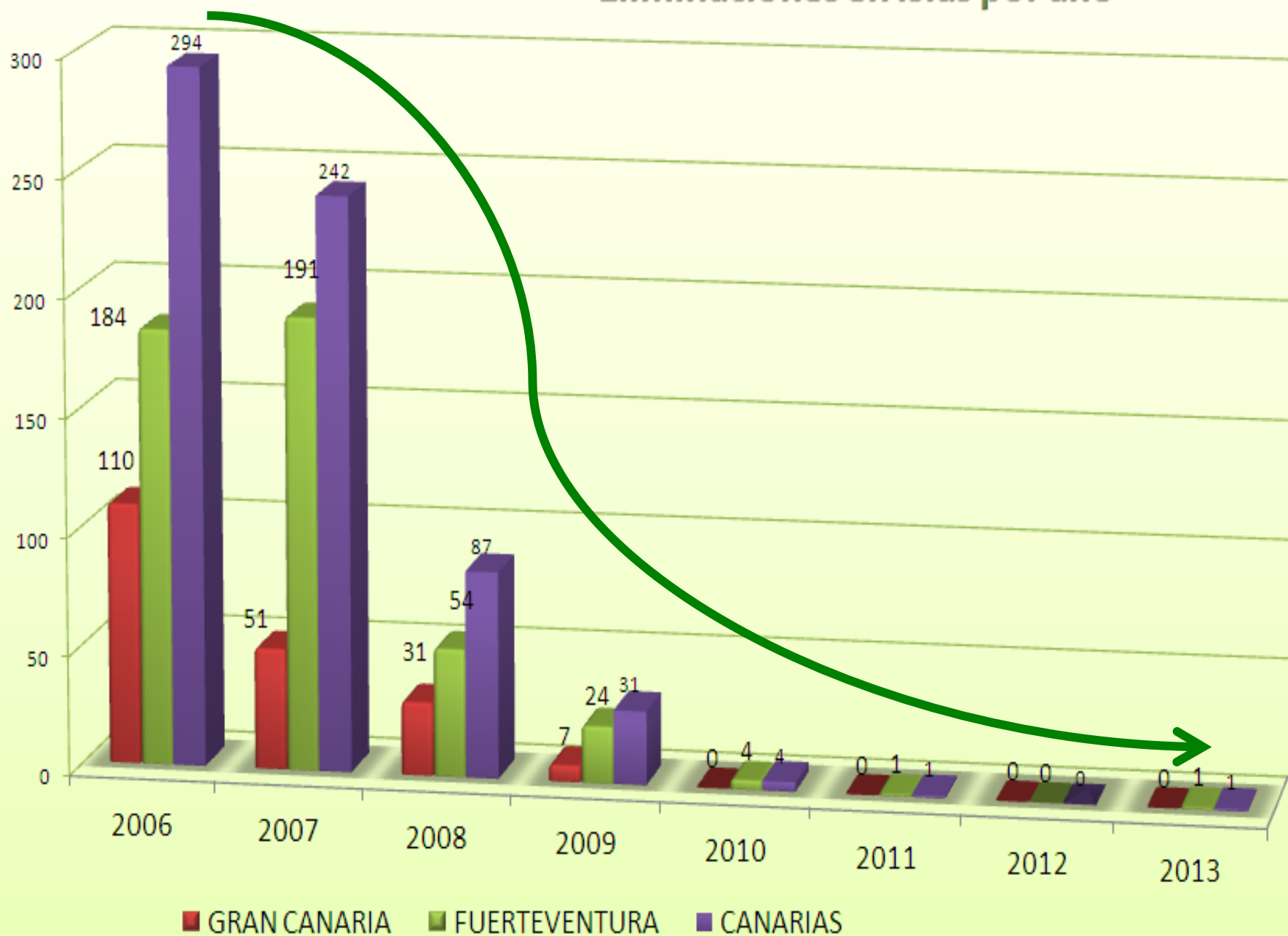


www.picudorojocanarias.es

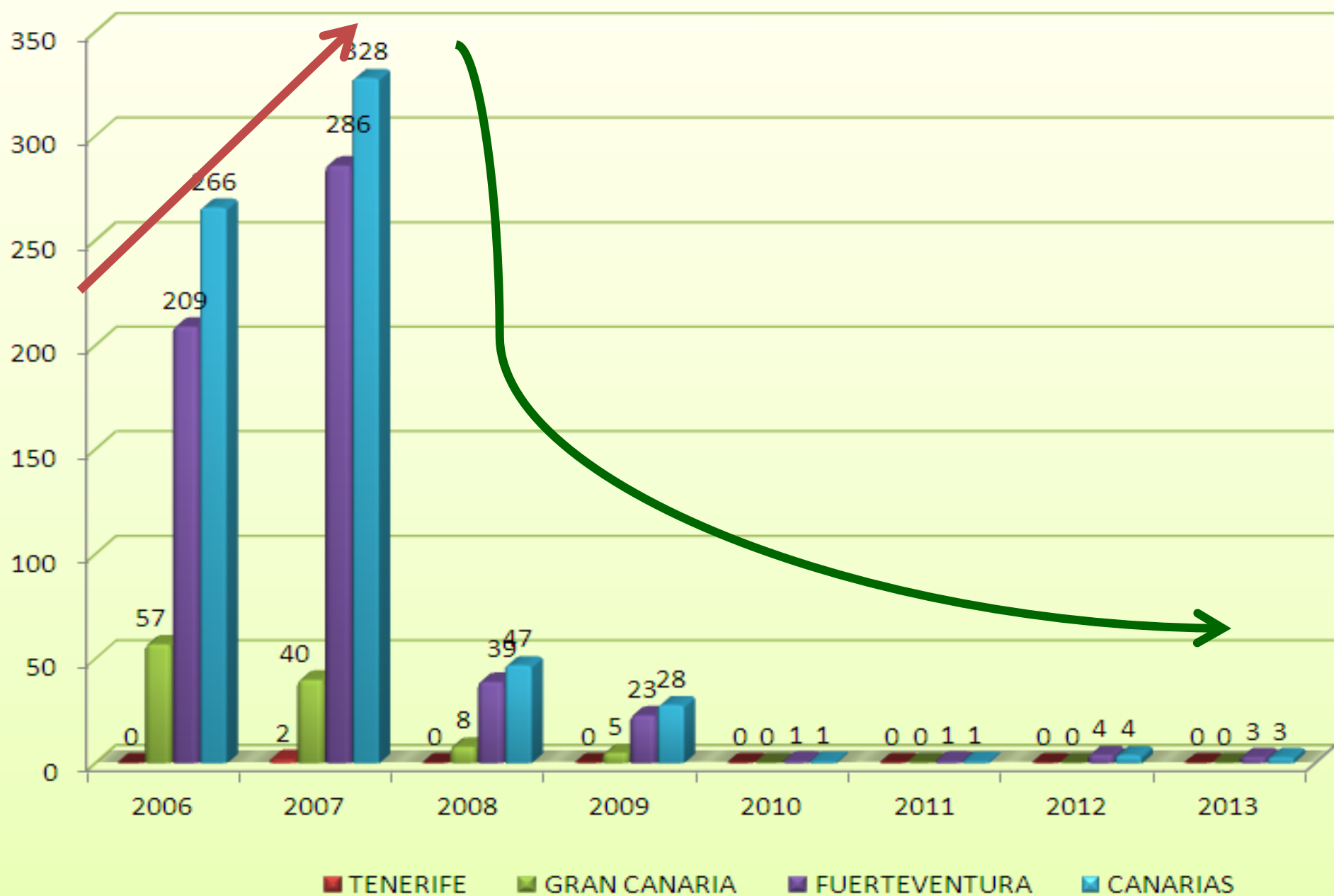
Programme results



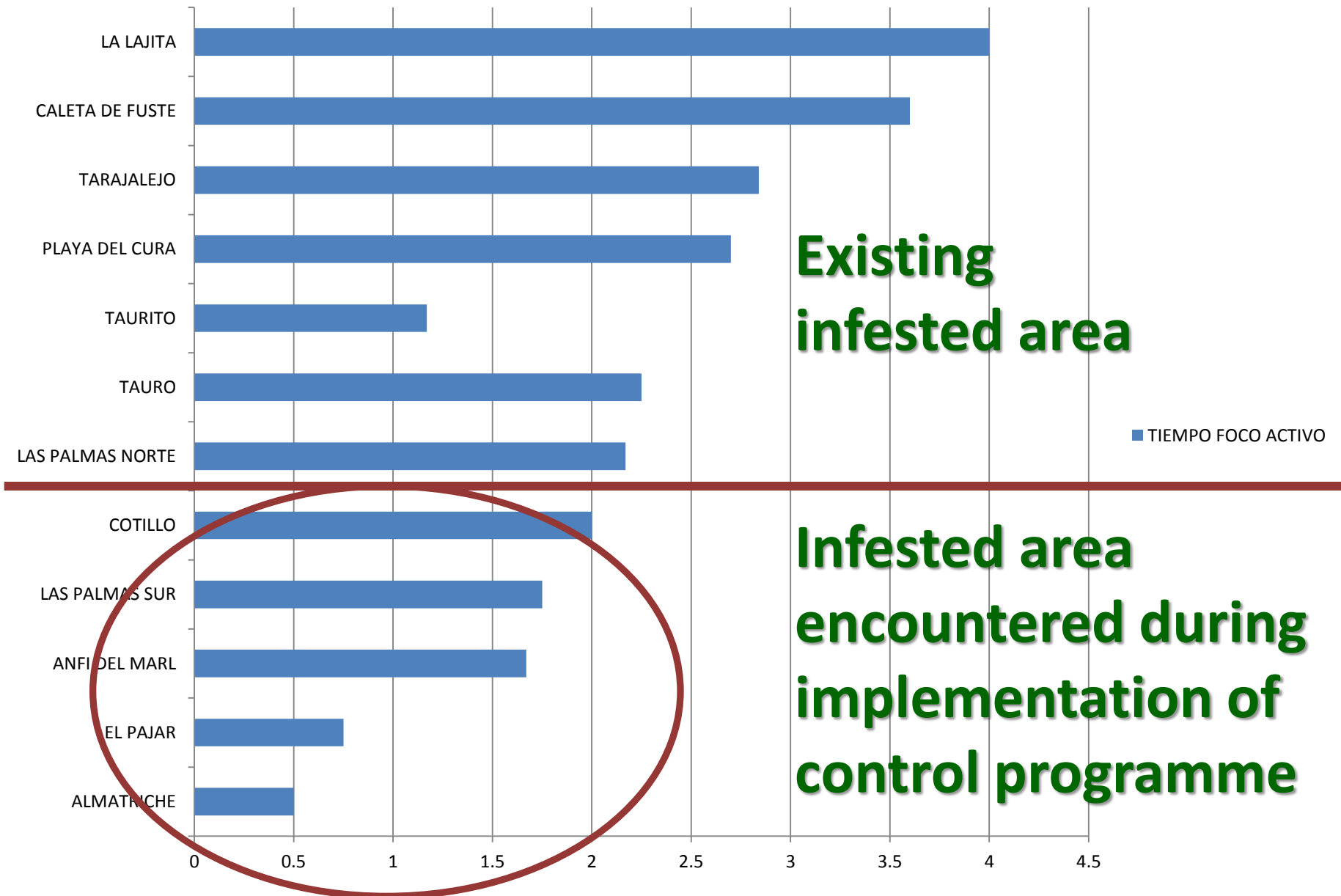
Eliminaciones en islas por año



Capturas por isla y año



Time activity infested areas



Required conditions for success RPW eradication programme



Newly RPW introduced areas

Isolated areas

**Possibility avoid new introductions
(legislation and it implementation)**

**Good plan design and good integration of all
mesuares**

Budget according to needs

Centralised coordination

G.I.S.

Cooperation and coordination with every public institution (Cabildos, Province, Regional and councils affected) y private (famers, nurseries, gardening companies,...)

Human resources and it management (Formation, motivation, procedures control, etc...)

A scenic view of a tropical landscape. In the foreground, there are lush green palm trees and dense vegetation. In the middle ground, a hillside with a small town or village is visible. In the background, there are more hills and a blue sky with scattered white clouds. The overall scene is bright and sunny.

Thank you for your attention

Moisés Fajardo

**Projet Manager: Plan for control and eradication
of RPW in the Canary islands**