

«a global digital project»

Information System for Agricultural Holdings



GOBIERNO
DE ESPAÑA

MINISTERIO
DE AGRICULTURA, PESCA
Y ALIMENTACIÓN

SECRETARÍA GENERAL
DE AGRICULTURA
Y ALIMENTACIÓN

FONDO ESPAÑOL
DE GARANTÍA AGRARIA O.A.

María José Hernández Mendoza

President of the Spanish Agrarian Guarantee Fund (Paying Agency - FEAGA)

AGRI DIGITAL

*A digital transformation for farmers and rural communities
for sustainable future*





SIE 

*Leading digitalisation in
agriculture...*



What is SLEX project about?

System that aims to digitally integrate all available information from the agricultural sector:

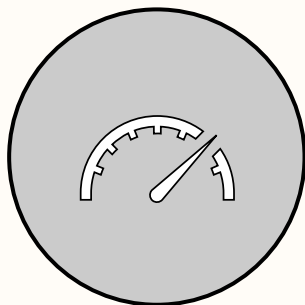
Farm Registry & Digital FieldBook



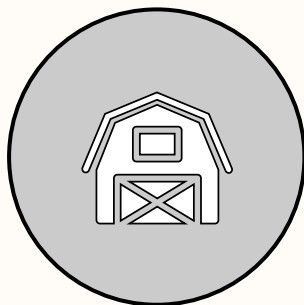
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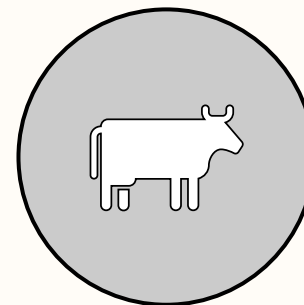
SIEX Objectives



***CAP
INDICATORS***



***SIMPLIFY FARMS
ADMINISTRATIVE
BURDEN***



***ANALYSIS OF FARM
INFORMATION:
- DESIGN POLICIES
- FARM MANAGEMENT***

**EU
23**

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What kind of information does SLEX integrate?

❖ Farm information:

...from Farm Registry

- Crop
- Owner of holding
- Partnerships
- Differentiate Quality Figures
- Machinery Register
- CAP aids
- Vineyard Register
- Economic Performance
- Etc.

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What kind of information does SLEX integrate?

❖ Farm management

information:

...from Digital FieldBook

- Phytosanitary Treatments
- Fertilisation
- Type of Seeds
- Sustainable practices (eco-schemes)
- Etc.



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What kind of information does SLEX integrate?

Digital FieldBook

The screenshot displays the SLEX Digital FieldBook interface. At the top, there are logos for the Junta de Andalucía, Plan de Recuperación, Transformación y Resiliencia, and the European Union. The text 'Financiado por la Unión Europea NextGenerationEU' is visible. The user is logged in as 'María José Hernández Mendoza' and is viewing the 'Cuaderno de Explotación' (Exploitation Notebook) for a specific farm. The interface includes a navigation menu with options like 'Mis datos', 'Mis parcelas', 'Ecorregímenes', 'Fitosanitarios', 'Fertilización', and 'Otras actividades (voluntario)'. The 'Mis parcelas' section is currently selected, showing a map of the farm's parcels. The 'Fertilización' section is also visible, with the word 'Alta' (High) and 'Consulta' (Consultation) partially visible below it.

Junta de Andalucía
Plan de Recuperación, Transformación y Resiliencia

Financiado por la Unión Europea
NextGenerationEU

Cuaderno de Explotación
Bienvenido | Benvingut (Cat) | Benvido | Ongi etorri
Versión 9.11.0 (módulo 9.11.0)

María José Hernández Mendoza
Productor Particular

Explotación : ES010000021020
Fecha Inicio: 24/5/23

Titular Explotación : 47016948A - Maria José Hernández Mendoza
Fecha Cierre: 9/10/24

Mis datos
Mis parcelas
Ecorregímenes
Fitosanitarios
Fertilización
Otras actividades (voluntario)

Alta
Consulta

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What kind of information does SIEX integrate?

Digital FieldBook

Alta/Modificación de fertilización Guardar Anterior

*Los campos marcados con * son de obligada cumplimentación*

Datos del registro de fertilización

Fecha inicio actuación * Fecha fin actuación *

Producto cultivado * N° albarán / Factura

Código de buenas prácticas * Aplicación de residuos R10 *

Información del material fertilizante

Material fertilizante *

Tipo de fertilización *

Método de fertilización *


Cantidad * Unidad * Superficie fertilizada (ha) Dosis

Nombre producto *

Grafica Desacoplar

Ver v9.12.0

Activada capa de edición: LDGs



Buscador

Provincia

Municipio

Agregado

Zona

Polígono

Parcela


Recinto

Buscar

Steps to follow (1)

1. Analysis and identification of available information sources

2. Harmonisation of information sources

3. Implementing SIE 

4. Integration schedule of different information sources

5. Data Mining – Data sharing



Steps to follow (2)

2. Harmonisation of information sources:

❖ Up to now – 74 Standardized Updated **CODE LIST**

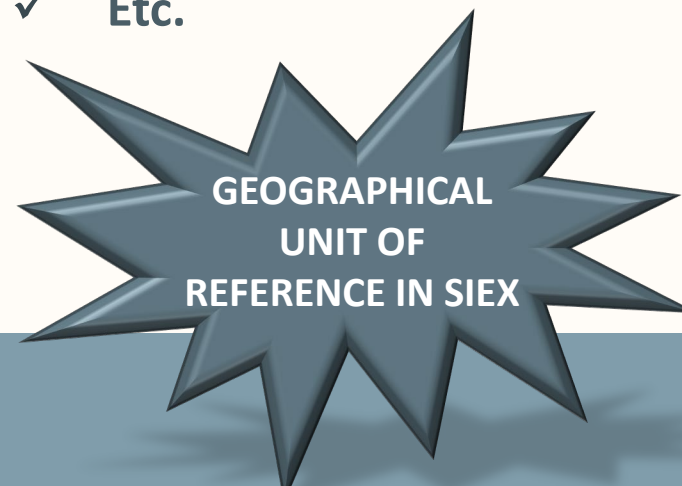
*Farm
Registry*

- ✓ Agricultural activity
- ✓ Crop
- ✓ Variety/Specie/Category
- ✓ Crop destination
- ✓ Etc.

*Digital
FieldBook*

- ✓ Fertilising material
- ✓ Phytosanitary products
- ✓ Plant diseases
- ✓ Good practices on irrigation
- ✓ Harvest destination
- ✓ Etc.

❖ Graphic Crop Delimitation (**DGC**)

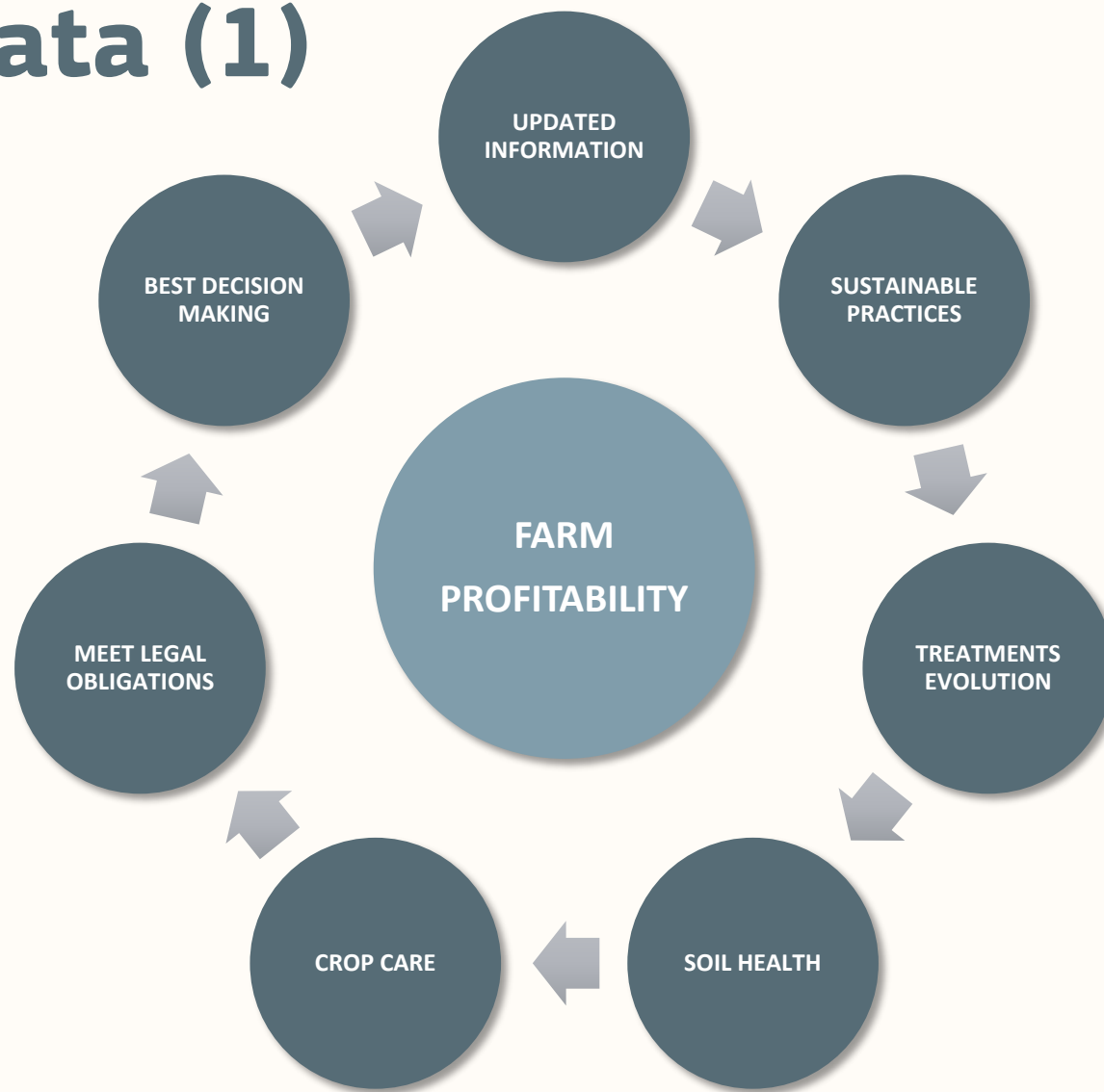


SIEX Potential: Use of data (1)

❖ FARM AGGREGATED INFORMATION ANALYSIS



How farmers will benefit

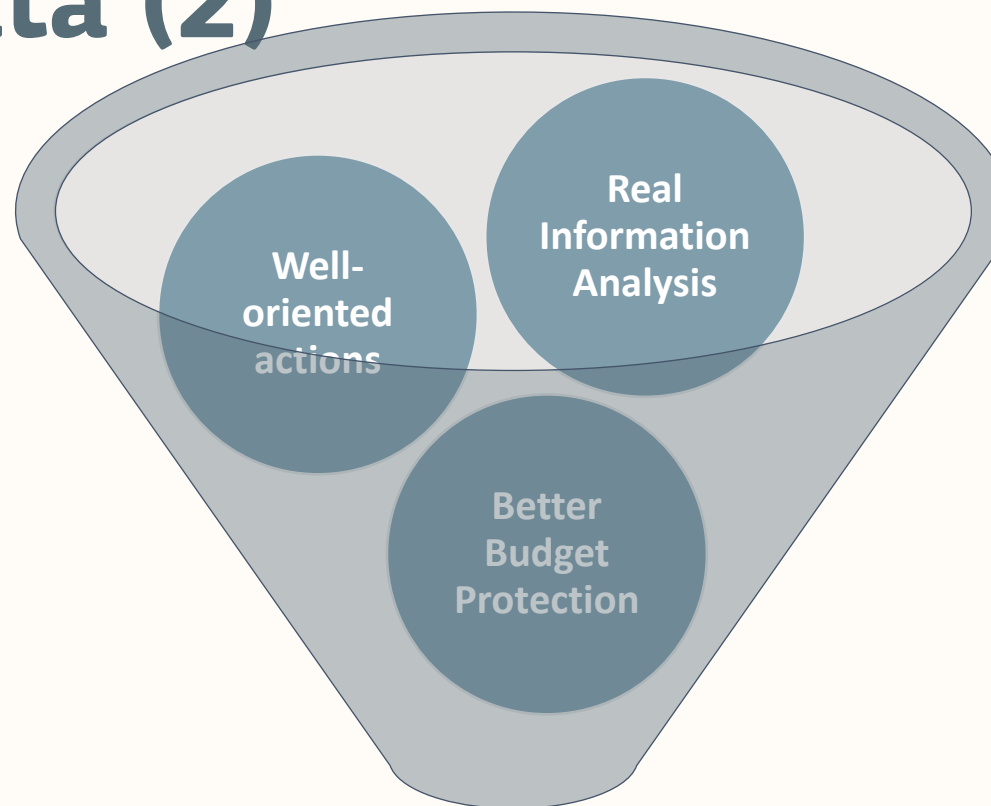


SIEX Potential: Use of data (2)

❖ IMPROVED POLICIES
DESIGN

❖ EFFICIENT IACS

*How Public Administration
will benefit*

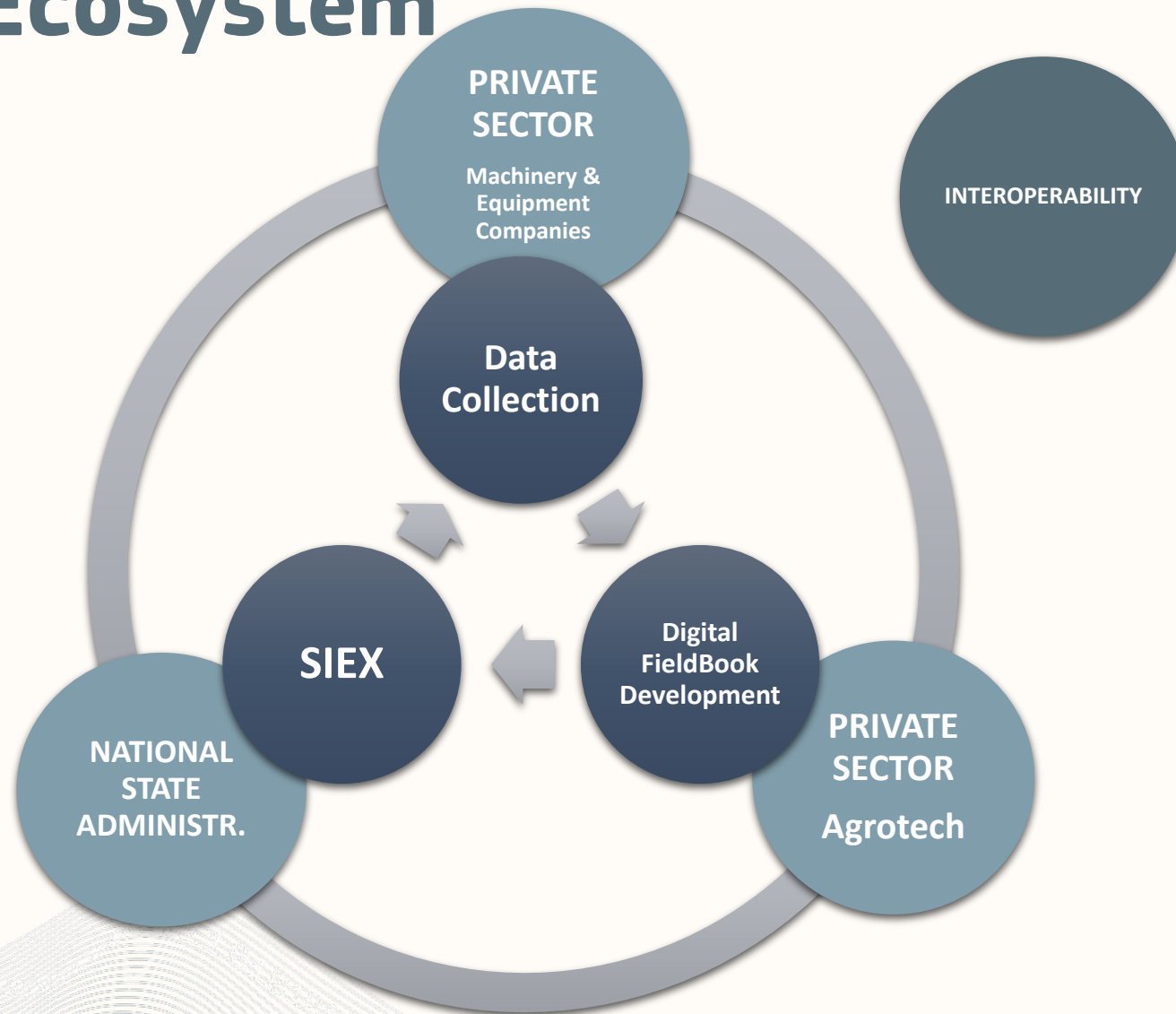


Better Design of CAP

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SIEX Digital Ecosystem



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SIEX Advantages



**Boost digitalisation
in agricultural
sector**

Leading the change

**Reduction of
administrative
burden**

For farmers and
administrations

**Harmonization and
standardization**

of information for all
parties

**All-inclusive
concept**

Public – Private &
Farmer benefits

**Statistics & indicators
monitoring**

More efficient CAP
design

Use of data

Making agricultural
sector more measurable

**Sustainable use of
agricultural
resources**

Take it to the next level

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SIEX Challenges



- Resistance to change – agricultural sector concern for data sharing
- Information sources responsables and SIEX team coordination
- Private Sector platforms – National Administration SIEX interoperability
- Digital gap in rural areas
- Promotion and project information

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SIEX: Leading digitalisation in agriculture



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