Homologa™

The Global Crop Protection Database

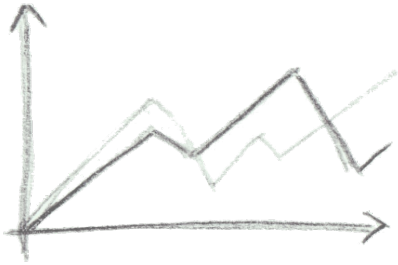
http://www.homologa.com
http://www.homologa-new.com

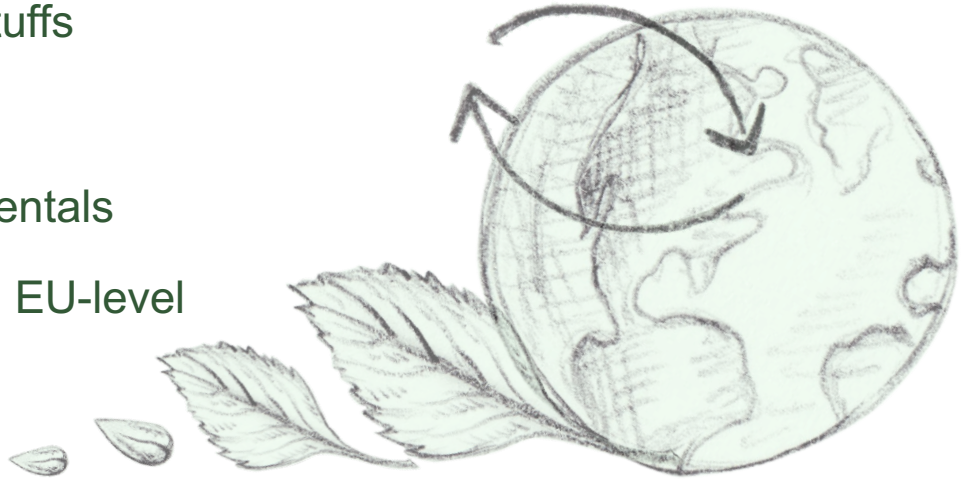
Introduction

- Contents
- Country coverage
- Sources
- Data management
- Scope
- Data structure
- Data transfer
- Data harmonization
- Network

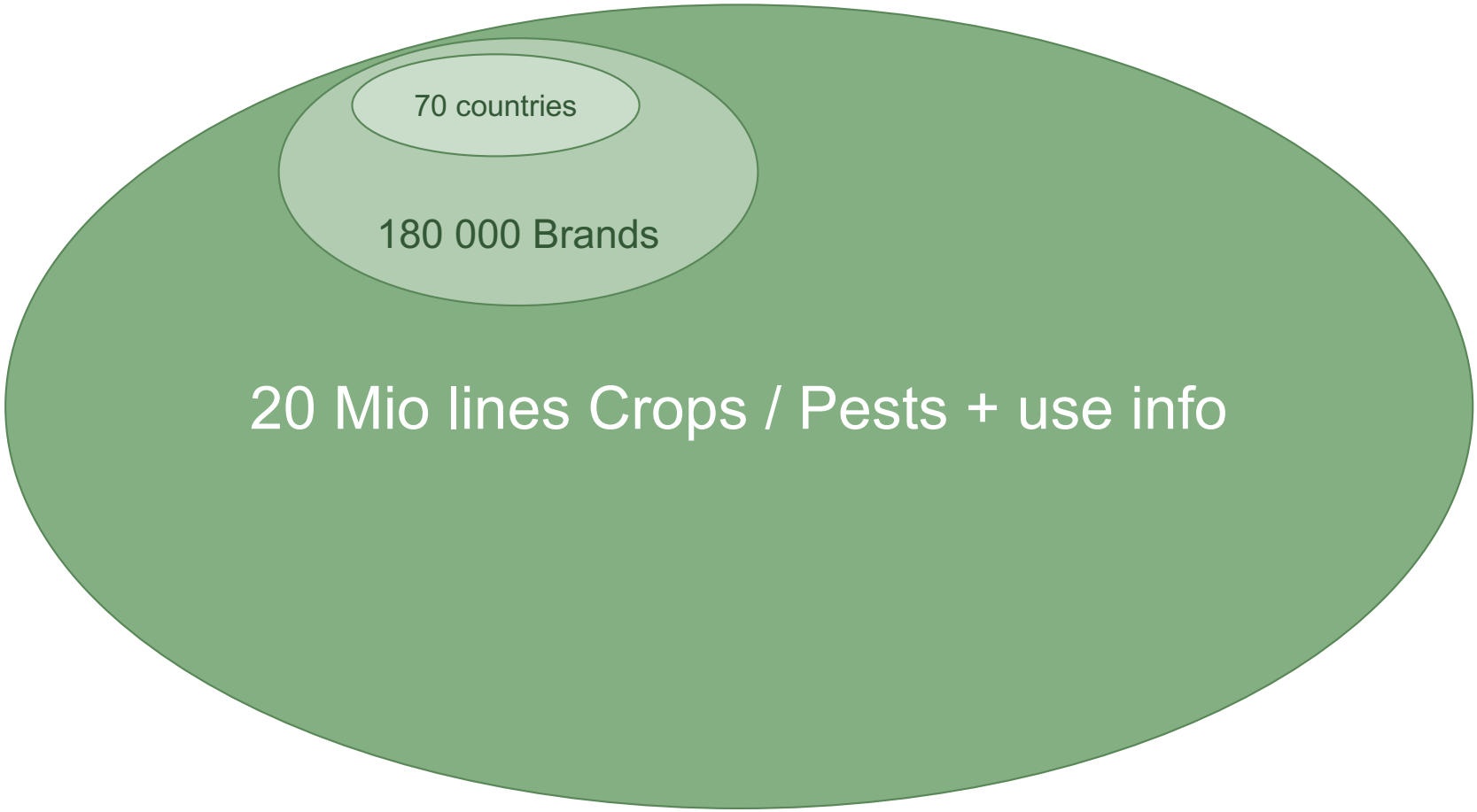
Database Contents

- Approved plant protection products
- Actual status of registration (new, expired and/or last use date)
- Approved parallel imports
- Approved products for seed treatment
- Maximum Residue Levels (MRLs) in foodstuffs
- New-, or modified-, and future MRLs
- Export-/Import statistics of food and ornamentals
- Registration-Status of active ingredients on EU-level
- Off-label/temporary registrations
- Minor uses

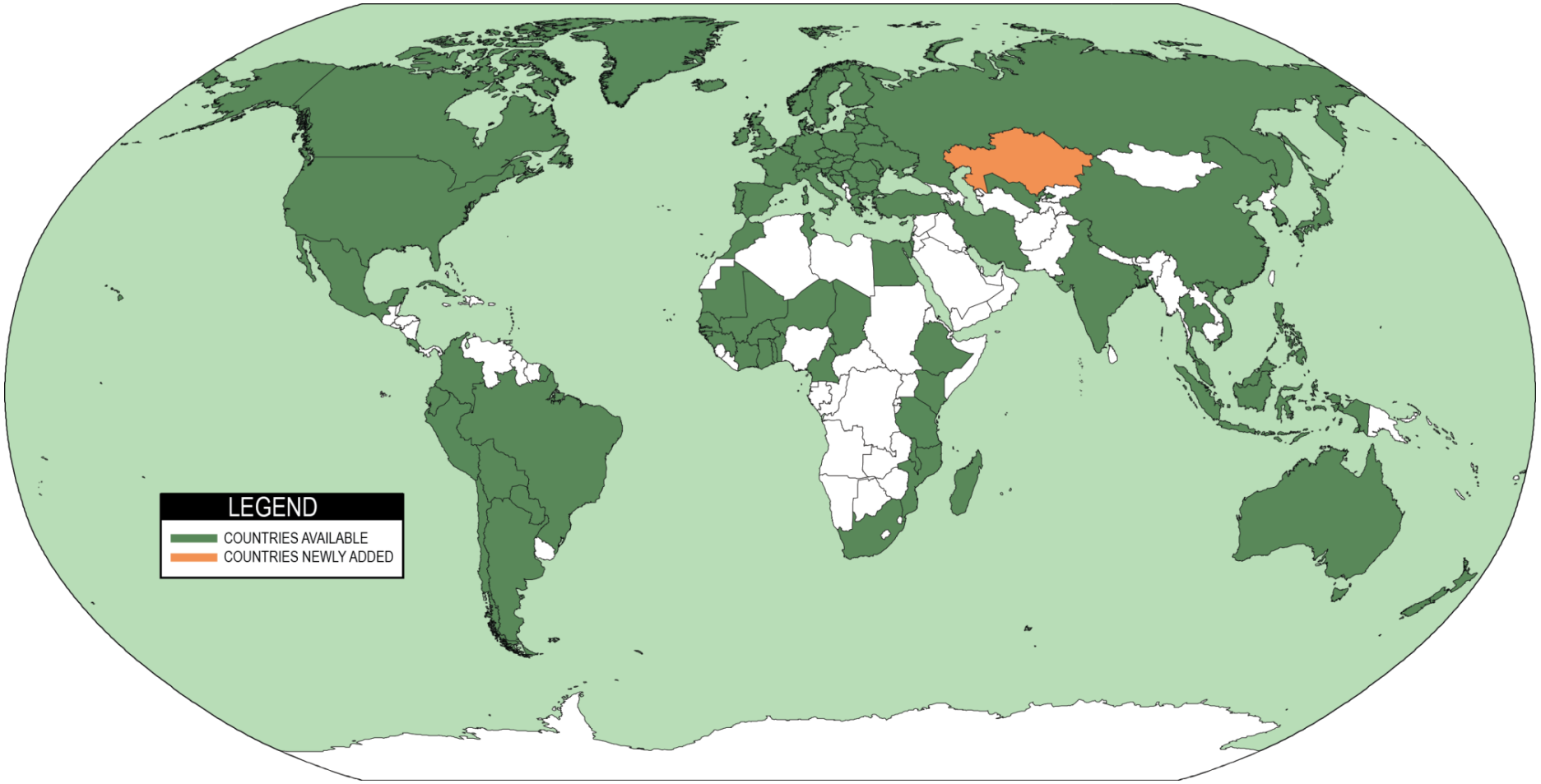




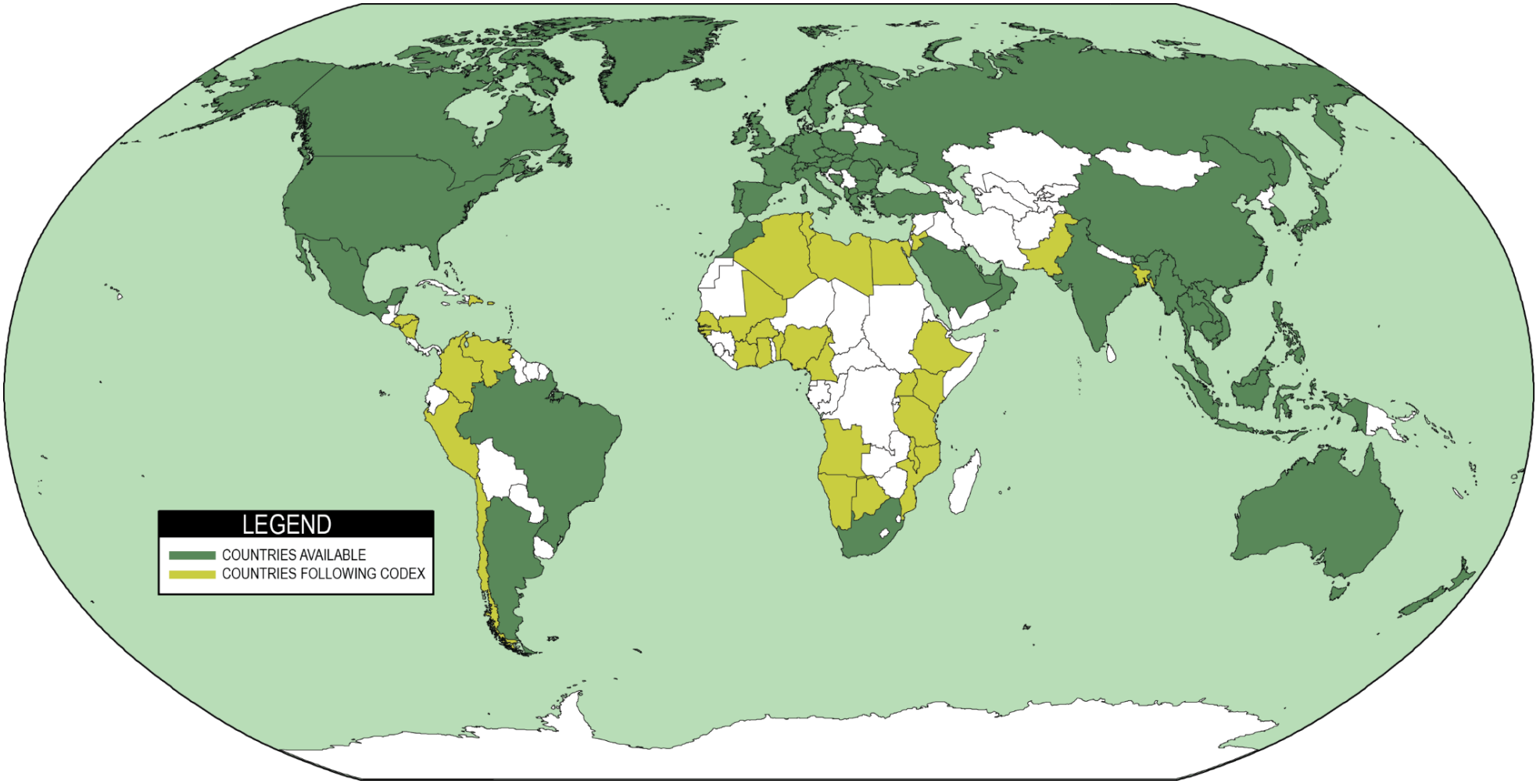
Product Registrations Homologa



Homologa™ Registered Products

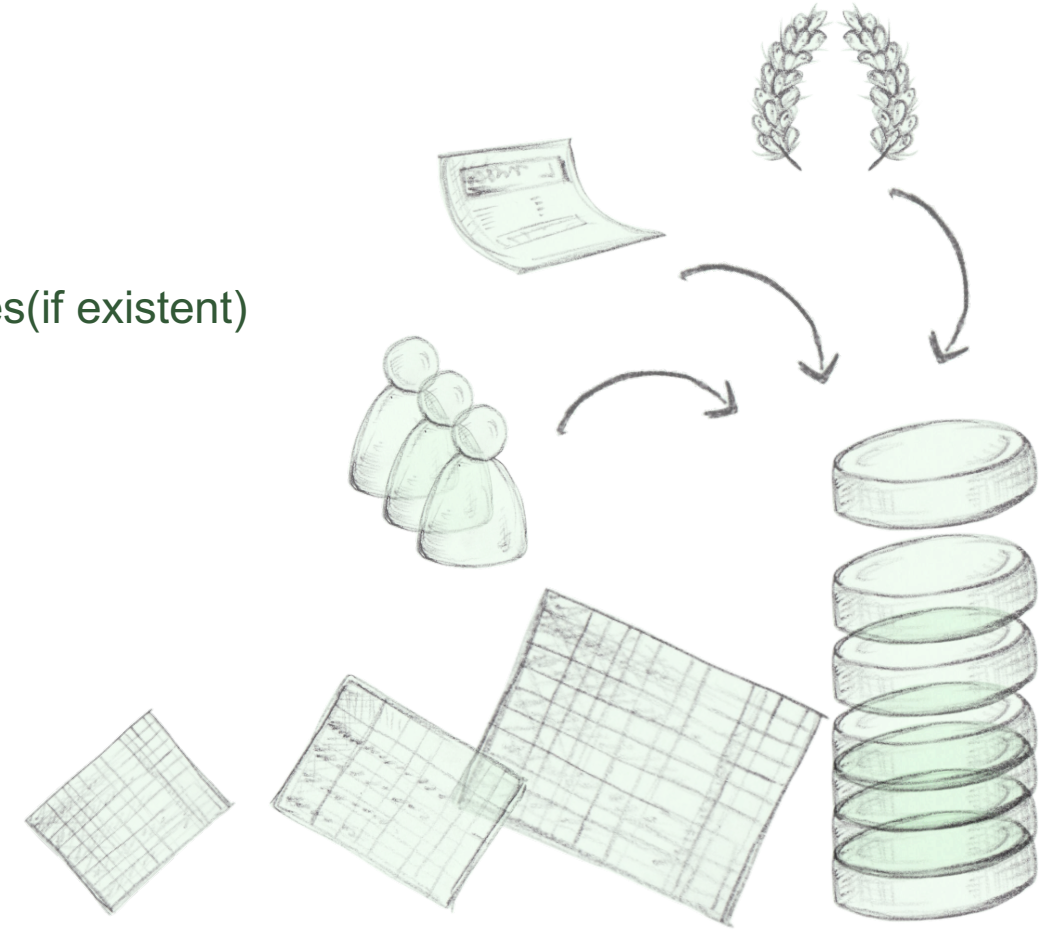


Homologa™ MRLs



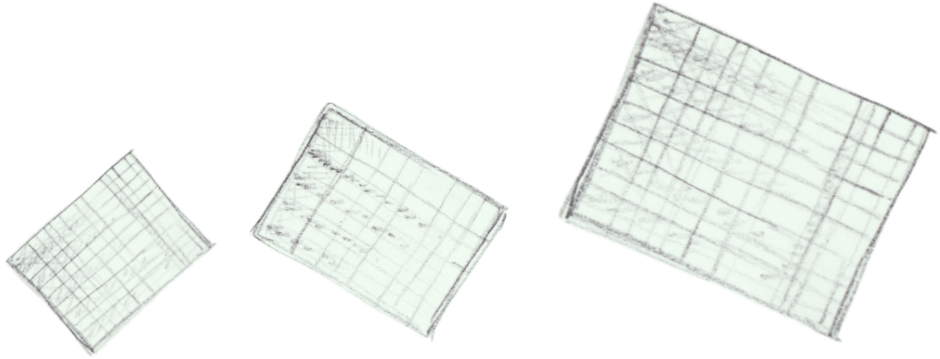
Sources

- Ministry publications
- Manufacturer label information
- Publications from private companies(if existent)



Data Management

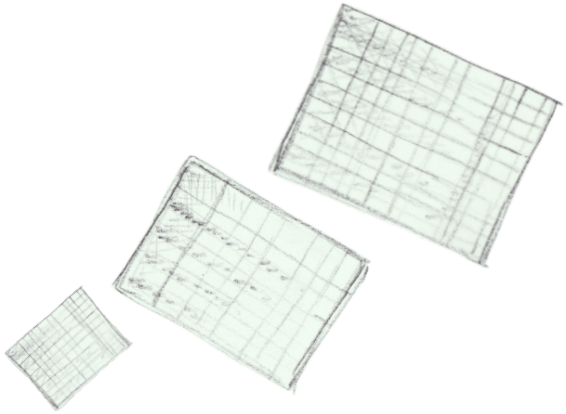
- Acquiring, validating, processing and harmonizing required data in all countries to ensure the accessibility, reliability, and timeliness for users
- Maintain data in the original language together with Agrobase translations
- Keep a strict update schedule (country dependent)



Data Management

Quality:

- Updates frequency
- Double check of Ministry data
- Implement automatic tools to extract data (in parallel to manual review)



Data Management

Extra details:

- Fill-out: GAP information, phrases, etc…to make data accessible by
  - Farm Management Systems
  - Traceability Systems
  - Laboratories
  - Etc…

Data Management

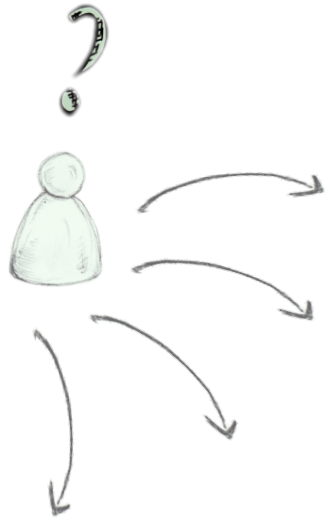
Standards:

- EPPO for crops and pests
- BBCH for stages
- CAS for a.i.
- If none->Agrobase codes

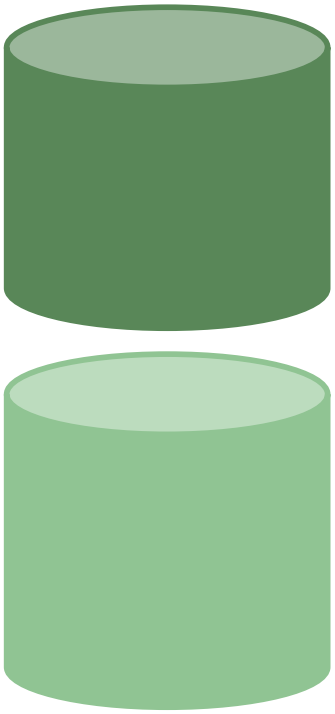
We concentrate our work on making references and regulatory data accessible on global level with the same **data structure** and **standard codes** for all countries

Scope

- Ministry information: Homologa contains what is published in the Ministries
- Parallel imports/mutual recognition/temporary registrations
- Some information is still missing or not well defined
  - Macrobials
  - Adjuvants
  - Biostimulants



Data Structure



Harmonized international level (registrations<->MRLs)

Tobacco Corn

National level in national language

タバコ 담배 Κτηνοτροφικό καλαμπόκι

табак

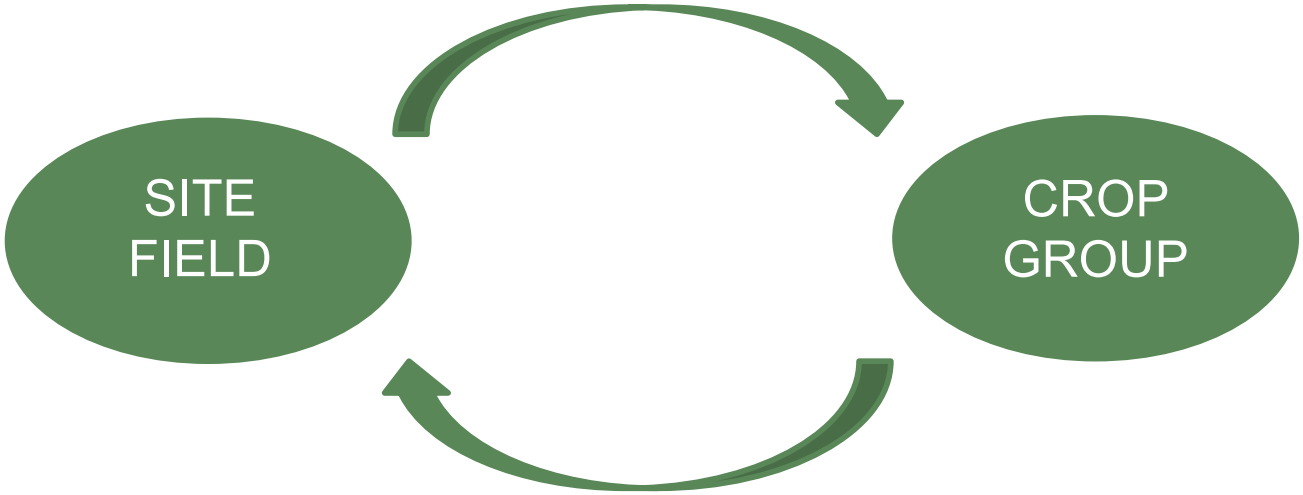
Data Harmonization

Major issue ➞ crop definition

- Registered crops not well defined. Ex.: Cereals
- Several crop attributes:
  - Final purpose. Ex.: brewing, etc…
  - Production period. Ex.: stored, nursery
  - Cultivation type. Ex.: greenhouse/outdoor
- Crop grouping: attributes influence the grouping

Data Harmonization

PRAGMATIC SOLUTION



Data Harmonization

PRAGMATIC SOLUTION

Crop Orig. Name	Crop	Site/Attributes
Scarole	scarole	-
Scarole(outdoor)	scarole	outdoor
Corn	corn	-
Corn(fodder)	Corn: fodder/forage	fodder

Complex Label Treatment

Example 1: Complex comments->crop group definition

SPINTOR 480 SC

(19) Hierbas aromáticas	ORUGAS	20-25 cc/Hl	3
(20) Hierbas aromáticas	TRIPS	20-25 cc/Hl	3

DELTAPLAN

(49) Hierbas aromáticas	ORUGAS	0,03-0,05 %	7
(50) Hierbas aromáticas	PULGONES	0,03-0,05 %	7

(19) (20) Incluye: salvia real, romero, tomillo, albahaca, hojas de laurel y estragón. Dosis máxima: 0,25 l/ha. Volumen de caldo: 1000-1250 l/ha.

(1), (2), (8), (9), (10), (11), (12), (13), (14), (15), (16), (17), (18), (19), (20), (23), (24), (27), (28), (31), (32), (40), (41), (42), (43), (44), (45), (46), (47), (48), (49), (50), (51), (52), (62), (63), (64), (65), (66), (67), (70), (71), (73), (75), (87), (88), (89), (90), (91), (92), (93), (94), (102), (103), (115), (116), (117), (118), (119), (120), (121), (122) Aplicar en pulverización foliar, efectuando hasta 3 aplicaciones con un intervalo mínimo de 14 días sin sobrepasar los 0,5 l/Ha. de producto por aplicación.

Complex Label Treatment

Example 1: Data entry-> Crop group definition

REGNO	CULTIVO	SITE	PESTE	DOSE	UNIT	P.S.	MAX_NUM_APPLI	INTERVALO	METHOD	NP_CROP	NP_PEST	MAX DOSE SEASON	CALDO	UNIDAD CALDO
22839	HIERBAS AROMATICAS (SALVIA REAL. ROMERO. TOMILLO. ALBAHACA. HOAS DE LAUREL. ESTRAGON)	-	ORUGAS	20-25	CC/HL	3	3/período vegetativo	7-14	Pulverización normal.	No aplicar durante la floración ni durante el periodo de producción de exudados.	Al inicio de la infestación.	0.25 L/HA	1000-1250	L/HA
22839	HIERBAS AROMATICAS (SALVIA REAL. ROMERO. TOMILLO. ALBAHACA. HOJAS DE LAUREL. ESTRAGON)	-	TRIPS	20-25	CC/HL	3	3/período vegetativo	7-14	Pulverización normal.	No aplicar durante la floración ni durante el periodo de producción de exudados.	Al inicio de la infestación.	0.25 L/HA	1000-1250	L/HA
13688	HIERBAS AROMATICAS	-	ORUGAS	0.03-0.05	%	7	3	Min 14	Pulverización foliar	-	-	0.5 L/HA	-	-

Complex Label Treatment

Example 1: Complex comments->Data Classification

HIERBAS AROMATICAS-PARTICULAR GROUPING ➞ **SPINTOR 480 SC**

- Sage
- Rosemary
- Thyme
- Basil
- Estragon
- Bay leaves

Complex Label Treatment

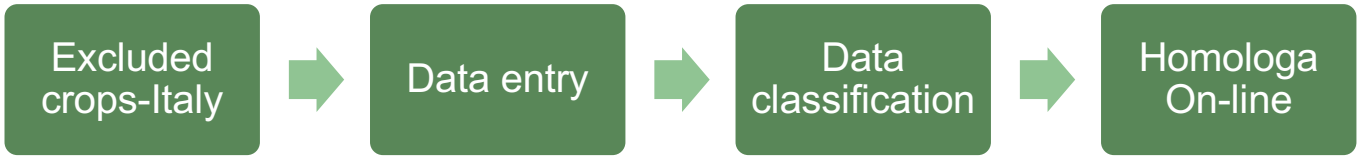
Example 1: Complex comments->Data Classification

HIERBAS AROMATICAS-GENERAL GROUPING ➡ **DELTAPLAN**

- Sage
- Rosemary
- Thyme
- Basil
- Estragon
- Valerian
- Lavender
- Herbs: others

Excluded Crops Label Treatment

Example 2: Excluded crops-steps for data treatment



Excluded Crops Label Treatment

Example 2.: Excluded crops Italy-> Baby leaves & lettuces

Lattughe e altre insalate comprese le brassicacee escluse scarola/indivia a foglie larghe, baby leaf di cicoria, di spinacio e di bietola da foglia (coltura a pieno campo): *Nasonovia ribis-nigri, Spodoptera littoralis, Spodoptera exigua, Mamestra brassicae, Athalia rosae:* 50-60 ml/hl (0,3-0,5 l/ha). Intervenire alla comparsa del parassita. Effettuare al massimo 3 applicazioni a distanza di 7 gg.

Lattughe e altre insalate comprese le brassicacee escluse scarola/indivia a foglie larghe, baby leaf di cicoria, di spinacio e di bietola da foglia (coltura in serra): *Nasonovia ribis-nigri, Spodoptera littoralis, Spodoptera exigua, Mamestra brassicae, Athalia rosae:* 35-50 ml/hl (0,3-0,5 l/ha). Intervenire alla comparsa del parassita. Effettuare al massimo 3 applicazioni a distanza di 7 gg.

Excluded Crops Label Treatment

Example 2: Excluded crops Italy-> Data Entry

PRODOTTOVEGETALE	SITE	PHI	PEST	MINDOSE	MAXDOSE	DOSEUNIT
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN CAMPO)	IN CAMPO	3	ATHALIA ROSAE	50	60	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN CAMPO)	IN CAMPO	3	MAMESTRA BRASSICAE	50	60	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN CAMPO)	IN CAMPO	3	NASONOVIA RIBIS-NIGRI	50	60	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN CAMPO)	IN CAMPO	3	SPODOPTERA EXIGUA	50	60	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN CAMPO)	IN CAMPO	3	SPODOPTERA LITTORALIS	50	60	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN SERRA)	IN SERRA	7	ATHALIA ROSAE	35	50	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN SERRA)	IN SERRA	7	MAMESTRA BRASSICAE	35	50	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN SERRA)	IN SERRA	7	NASONOVIA RIBIS-NIGRI	35	50	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN SERRA)	IN SERRA	7	SPODOPTERA EXIGUA	35	50	ML/HL
LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria. spinacio e bietola da foglia)(IN SERRA)	IN SERRA	7	SPODOPTERA LITTORALIS	35	50	ML/HL

Excluded Crops Label Treatment

Example 2: LATTUGHE E INSALATE (escluso scarola/indivia a foglie larghe e baby leaf di cicoria, spinacio e bietola da foglia)(IN CAMPO)

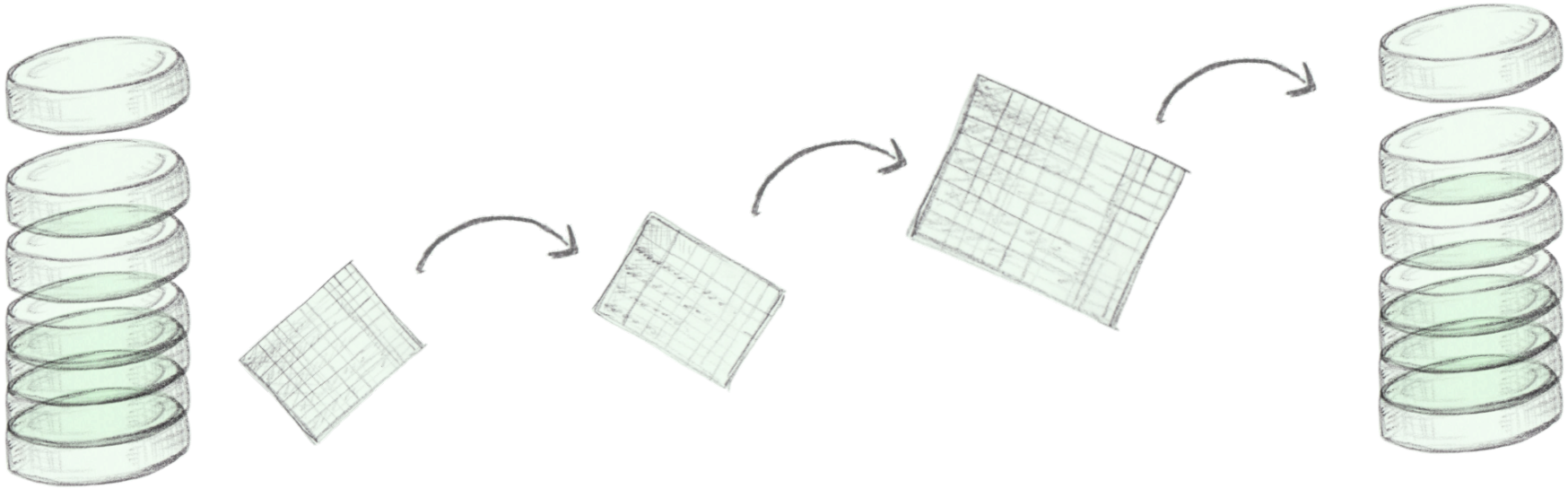
- Lettuce
- Endive winter
- Rocket-salad
- Lambs lettuce
- Radicchio
- Witloof
- Cress-uplandamer
- Chicory-sugar-loaf
- Mustard-brown
- Cress-water
- Cress
- Dandelion
- Grapes: leaves
- Others not in the excluded ones…

Data Transfer

1.- On-line database+Alert reports

2.- Modules to export data to other systems(traceability systems, farm management, laboratories, etc…)

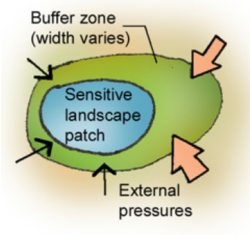
- JSON/REST API
- Export reports module



Further Development

Soil-types

Buffer-zones

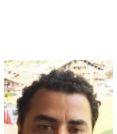


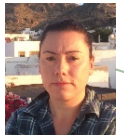
Re-entry in field

Other restrictions

A.I.-restrictions private standards

Network of Collaborators





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Flamingo dr E.Czaplicki

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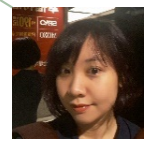

Homologa™

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More information:

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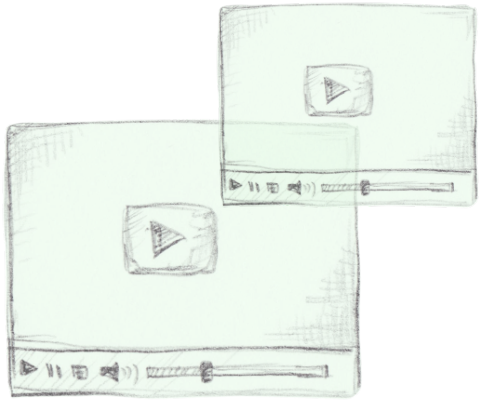

Youtube channel:

http://www.youtube.com/user/HomologaInfo