

Mandatory inspection of sprayers in Europe, chances for the dealers!



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SPISE Working
Group

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SPISE - Standardized Procedure for the Inspection of Sprayers in Europe

- SPISE is a working group established in 2004 by Prof Heinz Ganzelmeier .
- Members SPISE Working Group:

Balsari
Paolo



Italy

Huyghebaert
Bruno



Belgium

Wegener
Jens Karl



Germany

Jean-Paul
Douzals



France

Kole
Jaco



Netherlands

Main objectives of the SPISE Working Group:

- Harmonising and promoting the inspection of Sprayers in Europe
- Exchange information on the sprayer inspection activity between EU Member States, the European Commission and other stakeholders.
- Stimulation of the mutual recognition of inspected equipment

By means of:

- Organizing SPISE workshops (6th workshop was September 2016 in Barcelona)
- SPISE Technical Working Groups
- SPISE Technical Advises

SPISE ADVISE SERIES

Considered as a tool to carry out sprayer inspection activity as homogeneous as possible



SPISE advices could represent a reference when International Standards are not available.

EU APPROACH TO COME TO A SUSTAINABLE USE OF PESTICIDES



**Directive for
the use phase
of pesticides**

**Requirements for new
application equipment**

Directive 127/2009/EC:
Amendment on the Machinery
Directive

**Requirments for the machines in
use:**

Directive 2009/128/EC:
Mandatory inspection of
machines in use

New Machines:

Amendment on the Machine Directive – 2009/127/EC

**DIRECTIVE 2009/127/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 21 October 2009
amending Directive 2006/42/EC with regard to machinery for pesticide application**



This Directive is limited to the essential requirements with which machinery for pesticide application must comply before being placed on the market and/or put into service, while the European standardisation organisations are responsible for drawing up harmonised standards providing detailed specifications for the various categories of such machinery in order to enable manufacturers to comply with those requirements

Requirements for brand new sprayers from January 1st 2012



European Directive 127/2009/CE:
'Environmental safety' requirements



Self Certification - CE mark



EN ISO 16119 series (1, 2 , 3 & 4): Agricultural and forestry machinery — Environmental requirements for sprayers

Mandatory inspection of sprayers in Europe:

SUD Directive – 128/2009/CE

**DIRECTIVE 2009/128/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL
of 21 October 2009**

establishing a framework for Community action to achieve the sustainable use of pesticides



This Directive establishes a framework to achieve a sustainable use of pesticides by reducing the risks and impacts of pesticide use on human health and the environment and promoting the use of integrated pest management and of alternative approaches or techniques such as non-chemical alternatives to pesticides

Machines in use:

EU Directive 2009/128:

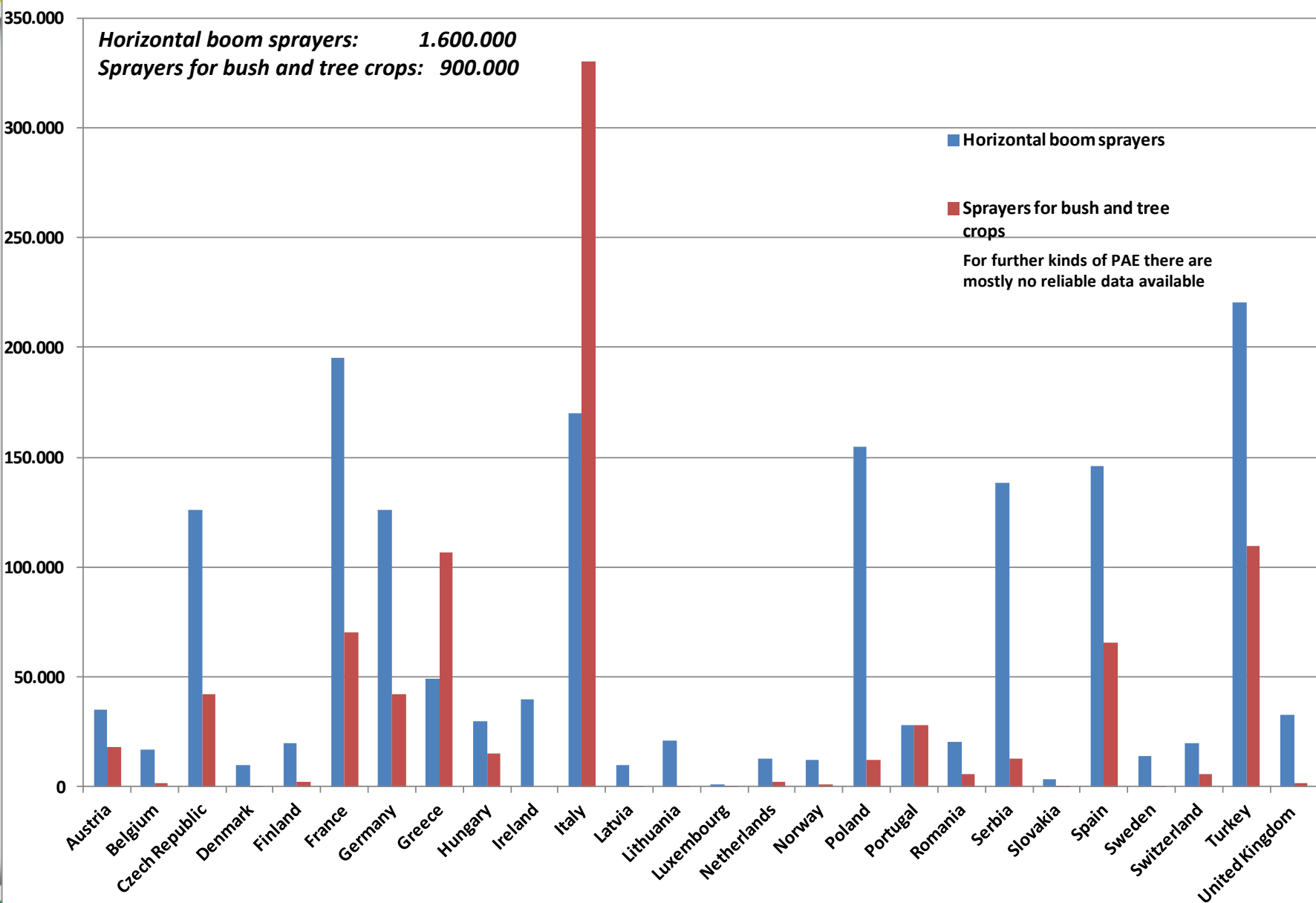
- EU => Framework directive, implementation in National regulations
- Mandatory inspection of application equipment in use in EU before 26-11-2016.
- First inspection within 5 years after purchase
- Inspection interval maximum 5 years to 2020 and 3 years after 2020
- Handheld and backpack sprayers can be exempted
- Other interval possible for specific types of sprayers
- Mutual recognition of inspection encouraged
- Harmonized standards: EN-ISO 16122 series



Number of sprayers in use in Europe

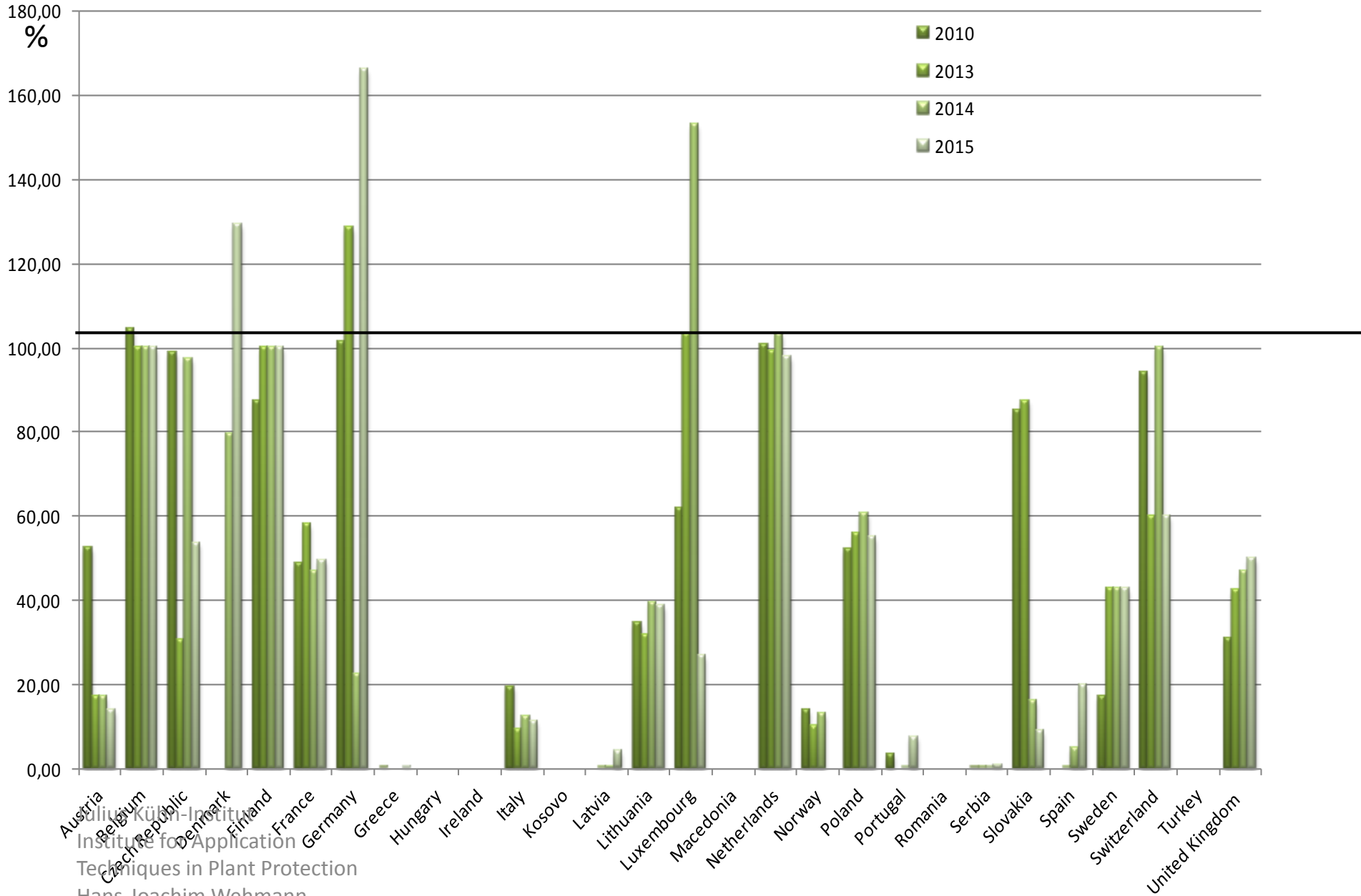
(Based on SPISE Survey 2016)

(figures by estimation: 20, by register: 6)



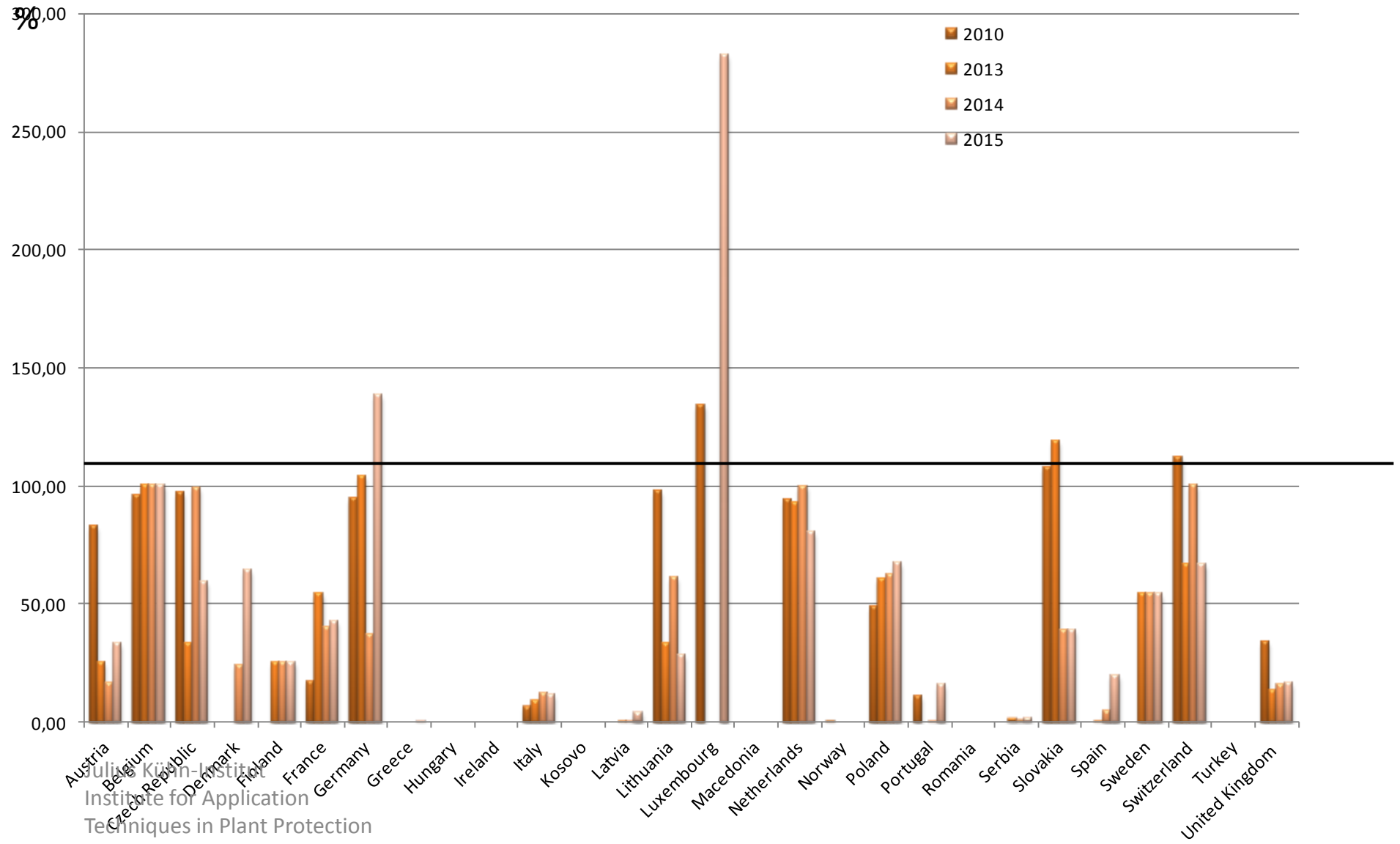


Yearly inspected field crop sprayers as percentage of yearly necessary inspections

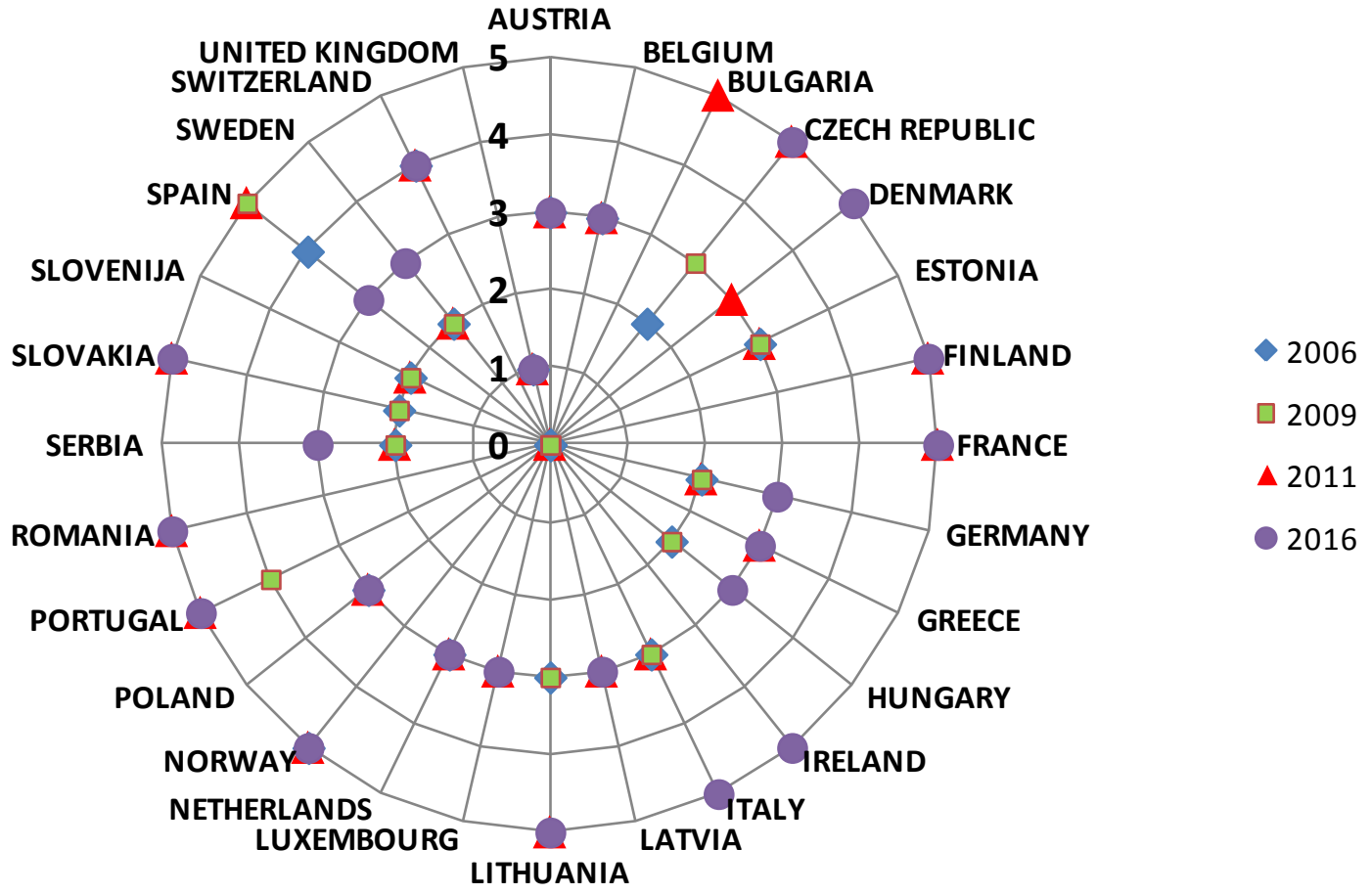




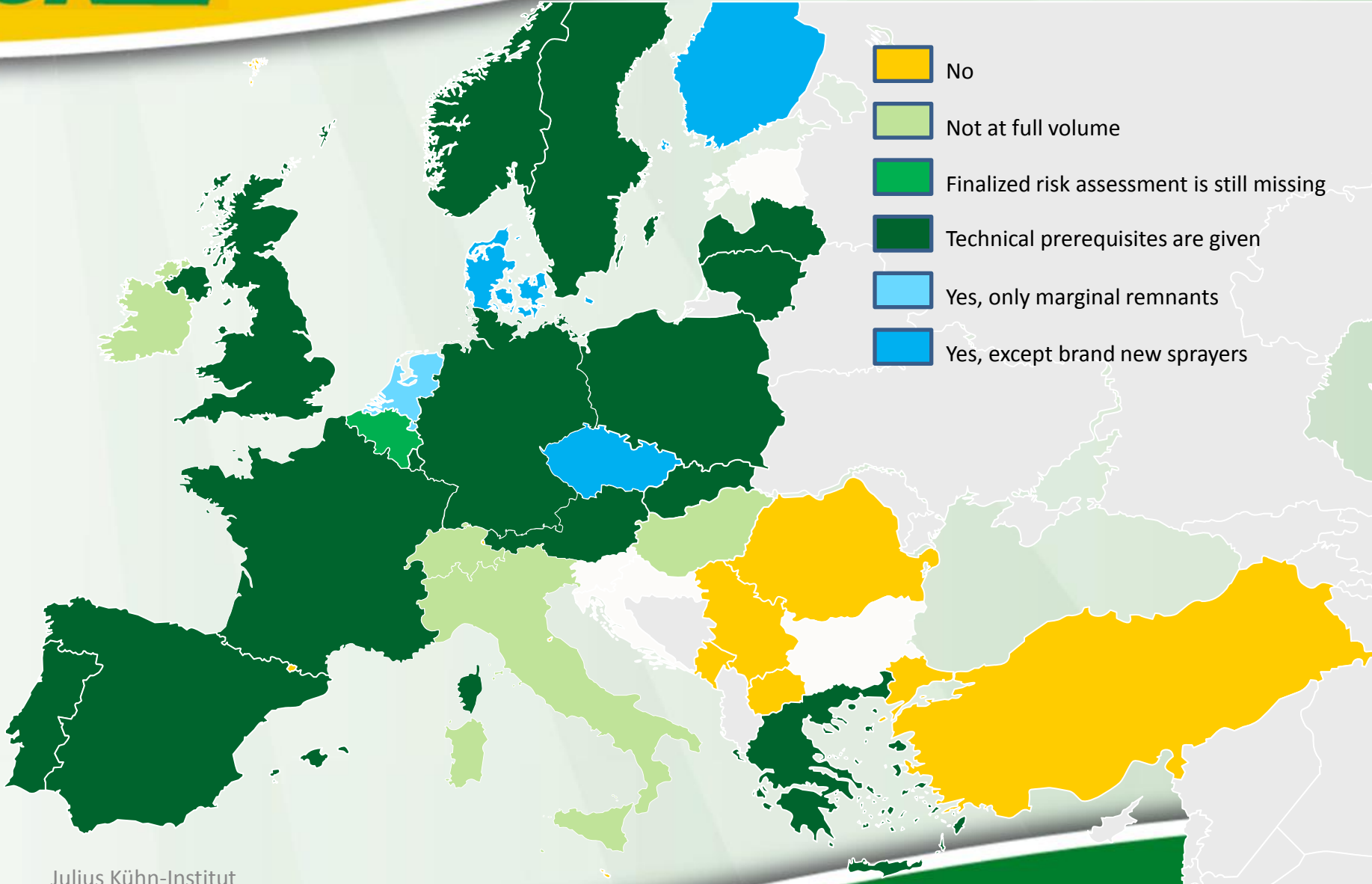
Yearly inspected sprayers for bush and tree crops as percentage of yearly necessary inspections



Inspection interval in the Countries in Europe



Whats countries secure that by 26.11.2016 all intended PAE has been inspected at least once?



Chances for the dealers:

- In most EU-countries: Execution of the inspections is done by the dealers
- Opportunity to provide extra service to your customers
- Repairs needed for approval (labor + spare parts):
 - Field-crops sprayers: 50% (established system – 70% (new system) needs repairs
 - Air-assisted sprayers: 60% (established system – 70% (new system) needs repairs
- Upgrading of old sprayers / selling new sprayers
- Specialize to be Application Expert (not only technique but also the application itself)
- Extension to users => also in calibration
- Easier trade of used machines

Role of the national dealer organisation:

- Can play a key-role in national consultation bodies. Together with users, manufacturers and authorities create a well-functioning inspection scheme.
- Stimulation of Quality Assurance => level playing field all dealers.
- Dealers have the knowledge of both the sprayers and the customers: farmers and contractors:
 - => Are a key elements in reaching farmers.
- Could really play a key-role also in reaching the SUD objective to reduce PP use and environmental risks thanks to improvement of the application, informing farmers about the more advanced technologies and the importance of the periodical inspection and appropriate use of the equipment.

Role of CLIMMAR:

- Working together with manufacturers, users and authorities.
- SPISE good platform to exchange information, knowledge and experience.
- Active involvement in developing harmonized standards (CEN/ISO).



Well maintained and adjusted application equipment will provide the farmers with the correct tool to produce sufficient, good and safe food with respect to the environment

