# WG Decision Support Systems

Dany Bylemans
Brussels, 15 November 2017

Theme

- **Join forces with (all the) EUFRIN members to make a network of independent and public institutes to share knowledge and data on models (pests, diseases, growth models, irrigation, harvest predictions, …) and warning systems**

- **Make the various weather station networks compatible with models for pests and diseases**

- **Advantages:**
  - More validation since followed up in most European countries
  - more resources to continue working if a project is finished
  - more chance on continuous improvement
  - better valorisation of research money
  - better decision taking with growers, more IPM
  - maximal access of growers at acceptable cost
  - Even models of less pests, diseases or beneficials of lesser economical
    relevance can be integrated. Ex. Earwig Management Tool

- **Could be extended with effects of side effects of pesticides, … -> more IPM**
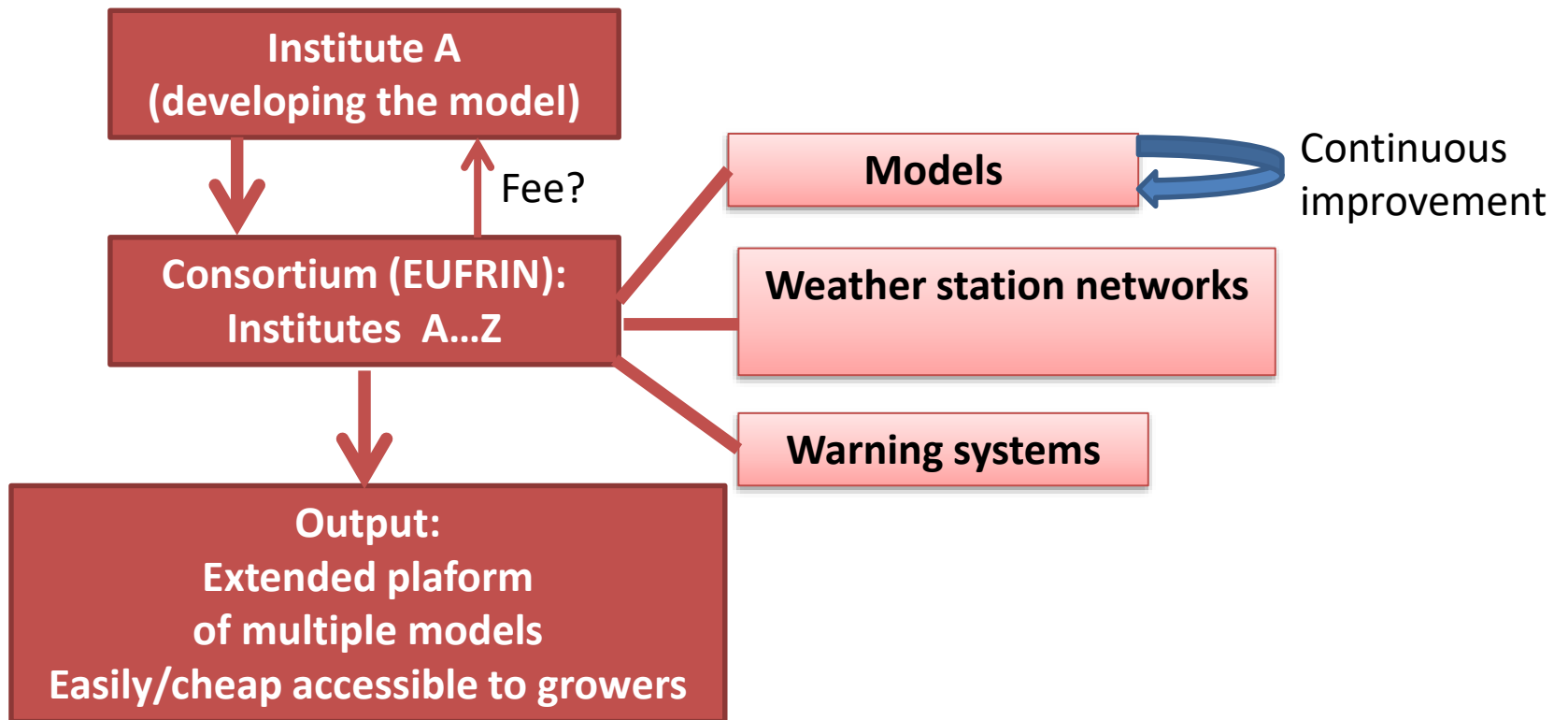
Let's not invent the warm water…

Example from Austria:

Leonhard Steinbauer

Haidegg (Steiermark)

Impressum   Ansprechpartner   Kontakt

Eine Initiative der österreichisch

lkwarndienst

Startseite   Acker   Gemüse   Obst   Wein   Bienen   Trockenheit   Infobo
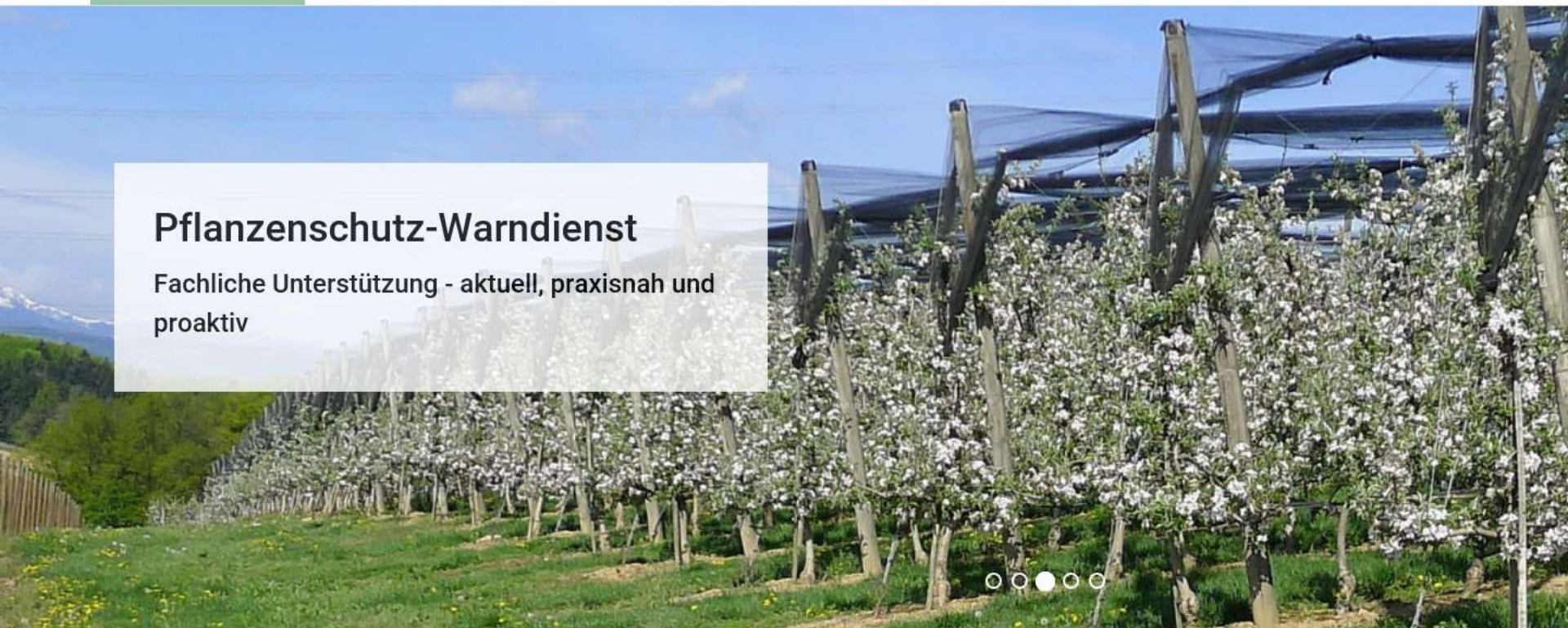
Pflanzenschutz-Warndienst

Fachliche Unterstützung - aktuell, praxisnah und proaktiv

HERZLICH WILLKOMMEN BEIM

OBSTBAUWARNDIENST

Ein Service der Landwirtschaftskammern Österreich

Schorf Kernobst

zur Prognose

Feuerbrand Kernobst

zur Prognose

MIT UNTERSTÜTZUNG VON BUND, LÄNDE

MINISTERIUM
FÜR EIN
LEBENSWERTES
ÖSTERREICH

LE 14-20

Sie befinden sich hier: Home > Österreich > Prognose > Kernobst > Schorf

INFEKTIONSRISIKO SCHORF
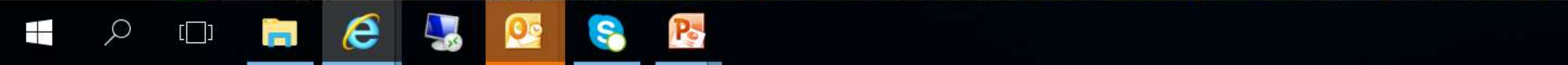
🟩	keine Infektion
🟨	leichte Infektion
🟧	mittlere Infektion
🟥	schwere Infektion

Übersicht Schorfinfektion

Burgenland | Kärnten | Niederösterreich | Oberösterreich | Salzburg | Steiermark | Tirol | Vorarlberg | Wien

Station	09.11.	10.11.	11.11.	12.11.	13.11.	14.11.	15.11.
Andau	🟥	🟥	🟩	🟧	🟥	🟩	🟩
Deutschkreutz	🟥	🟥	🟩	🟩	🟨	🟩	🟩
Eisenstadt	🟥	🟥	🟩	🟨	🟨	🟩	🟩
Güssing	🟥	🟥	🟥	🟩	🟩	🟩	🟩
Klostermarienberg	🟥	🟥	🟥	🟥	🟥	🟥	🟩
Kukmirn	🟥	🟥	🟥	🟥	🟥	🟩	🟩
Leithaprodersdorf	🟥	🟥	🟩	🟧	🟧	🟩	🟩
Lutzmannsburg	🟥	🟥	🟥	🟥	🟥	🟥	🟩
Minihof-Liebau	🟥	🟥	🟥	🟥	🟥	🟥	🟥
Neusiedl am See	🟥	🟥	🟩	🟥	🟥	🟩	🟩
Pamhagen	🟥	🟥	🟩	🟥	🟥	🟩	🟩
Wiesen	🟥	🟥	🟥	🟨	🟨	🟩	🟩

… to realise under H2020

SFS-06-2018-2020: Stepping up integrated pest management[25]

<u>Specific Challenge</u>: There is a need to develop and promote more cost-effective and sustainable Integrated Pest Management (IPM) options which are based on a holistic view of agro-ecosystems. IPM is part of EU legislation promoting the sustainable use of plant protection products (SUD[26]). The various IPM solutions being developed across Europe all differ depending on the crops, the available climate monitoring systems, the underlying knowledge of pest populations, on pedo-climatic conditions and on the agro-ecological environment. IPM decision support systems and models developed as part of national or regional research projects usually only deal with limited aspects of crop production and are validated in regional circumstances. As a consequence, it remains often unclear what the value of such a model/system may be in other parts of Europe and what the impact of climate change could be on the validity of the model. Sharing IPM decision supporting tools at EU level therefore has great potential for synergies. Furthermore, on-farm demonstration of novel IPM tools would boost peer-to-peer learning across Europe and help farmers with daily management practices, as well as enable the integration of these tools into precision agriculture.

<u>Scope</u>: Proposals shall address <u>only one</u> of the following sub-topics:

A. [2018] Decision support systems (RIA)

Recent activities of WG DSS

- Last (and only) meeting: 2015
- Attempts to organise in 2016 (D) en 2017 (UK) but too short notice

Early meeting in 2018: Irritec (Berlin)?