

Scotland's Plant Health Centre of Expertise

– An update May 2019

Funded by the Scottish
Government through RESAS

Ian Toth

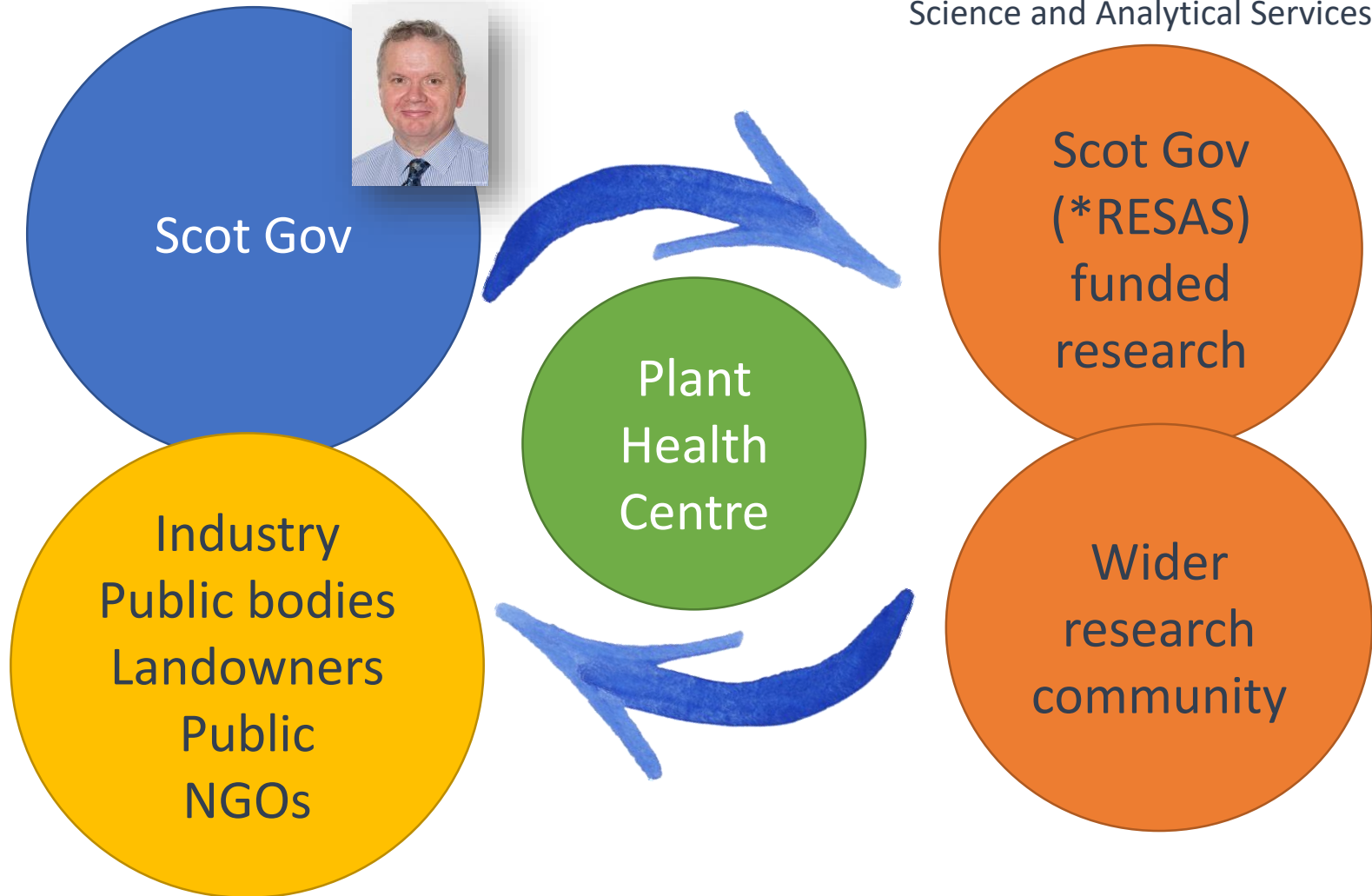


A Centre of Plant Health knowledge in Scotland

CPHOS



*RESAS = Rural Environment
Science and Analytical Services



Plant Health Centre

Plant Health Centre Directorate



Science Advisory and Response Team (SART)



Steering Group



GERRY SADDLER



ARCHIE GIBSON



DOMINIC DRIVER



CATHRYN
LAMBOURNE



JAMES FARQUHAR



DUNCAN STONE



ALISTAIR YEOMANS



JOHN SPEIRS

DENISE A'HARA

LIAM KELLY

Why do have a Plant Health Centre for Scotland?

Plant health is at the heart of Scotland's rural economy and natural environment

- Rural economy **£2 b**
- Food and drink sector **£14 b**
- Food and drink exports **£5 b**
- Environmental benefits **£21 b**

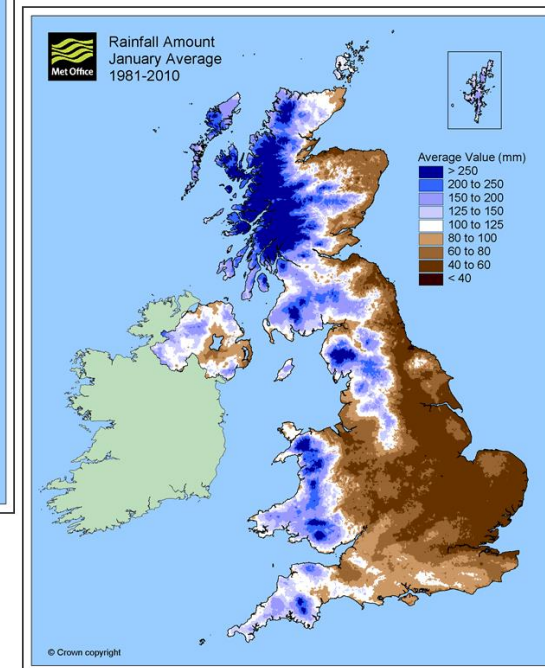
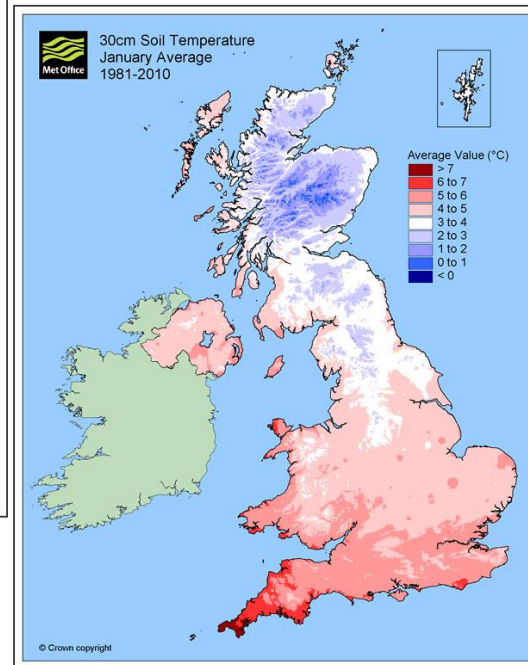
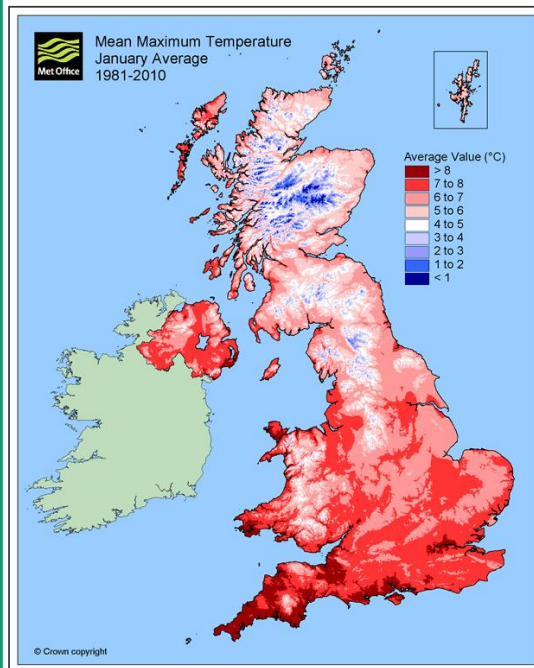


Ash dieback

Ash dieback: Killer tree disease set to cost UK £15bn



Why do we have a Plant Health Centre for Scotland?



Why do we have a Plant Health Centre for Scotland?



What does the Plant Health Centre do?

Single access point for advice and knowledge

Focus on Scotland's plant health needs

Integrate plant health across sectors

Complement not duplicate work of other Scottish and non-Scottish orgs

Web site





Twitter

@PlantHealthScot

Tweets 134 Following 523 Followers 529 Likes 119 [Follow](#)

Scotland's Plant Health Centre
@PlantHealthScot

Bringing forestry, horticulture, environment and agriculture together to co-ordinate plant health knowledge, skills, needs and activities across Scotland

📍 Scotland, United Kingdom
🌐 planthealthcentre.scot
📅 Joined February 2018
🖼️ 31 Photos and videos

Tweets Tweets & replies Media

Scotland's Plant Health Centre Retweeted
Adam Kleczkowski @aklecz · May 21
Visiting Białowieża forest to see damage to bark beetle #planthealth @PlantHealthScot. The forest still is fantastic, but huge Ips damage

New to Twitter?
Sign up now to get your own personalised timeline!
[Sign up](#)

Worldwide trends

- #Ridge 1,885 Tweets
- #AEWDoN 239K Tweets
- #SundayMorning 6,634 Tweets
- #SundayThoughts 15.2K Tweets
- #SundayMotivation 8,702 Tweets

Kawhi
Raptors punch a ticket to the NBA Finals for the first time ever

Raptors
Raptors punch a ticket to the NBA Finals for the first time ever

CPHO Office meetings

- Monthly meetings
- (*Xylella*) contingency planning
- PCN evidence gaps
- Skills network mapping
- Scotland's Plant Health Conference
- 'International Year of Plant Health 2020'



Meet stakeholders

- One to One
- Ongoing events
- Centre-specific events



Forestry



Agriculture



Environment



Horticulture

PHC Launch Event

- Royal Botanic Garden Edinburgh
- 60 participants
- Workshops on plant health needs
- Outputs to commissioning



Other Events and Meetings



Events and Meetings



Royal Highland Show – Pete Wishart MP

Events and Meetings

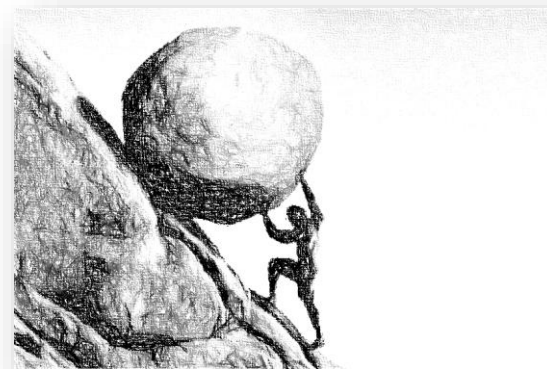
Beechgrove Garden – Jim McColl



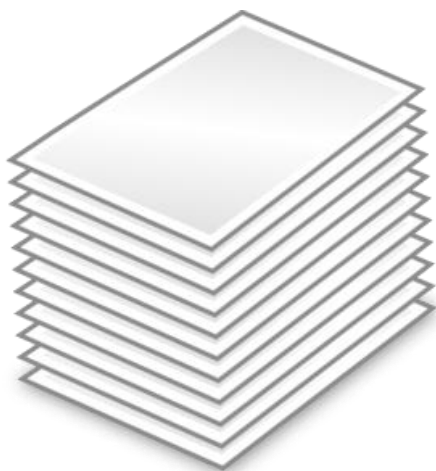
Project commissioning



Budget ca £240,000



Commissioning Process



14 projects

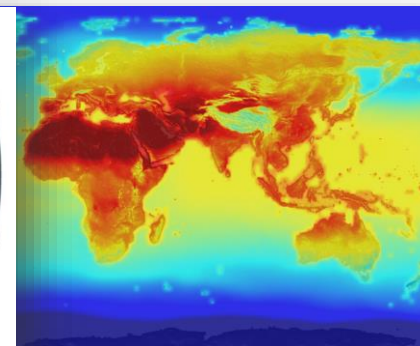


Results April / October

Commissioned projects



Specific threats



Spread, survival and control



Supporting Scotland's
aims and challenges



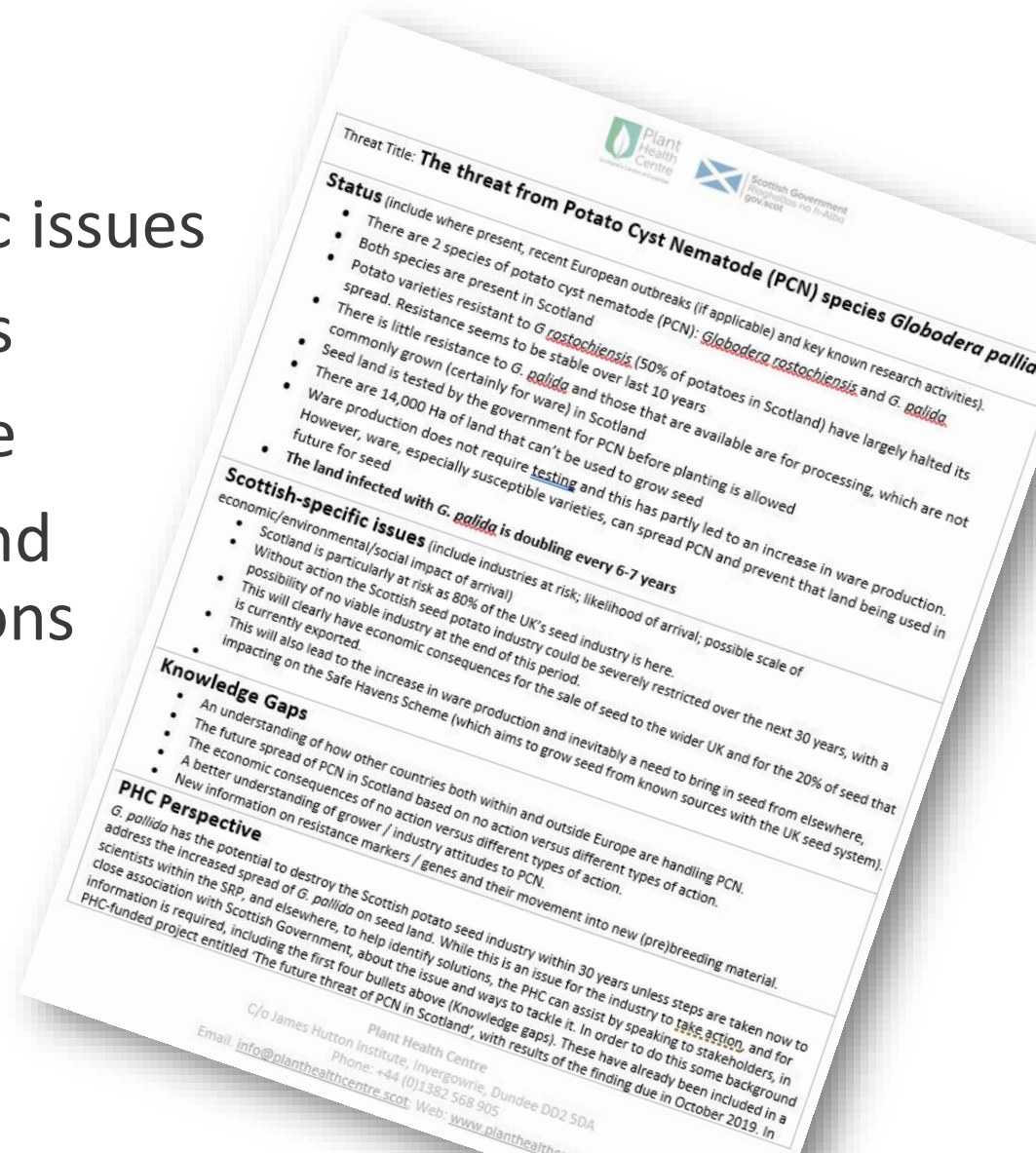
Enabling, networking,
cross sector working

Commissioned projects

Project	Environment	Forestry	Horticulture	Agriculture
Web resource				
<i>P. ramorum</i>				
Bark beetles				
Biodiversity strategy				
<i>Xylella fastidiosa</i>				
<i>Xylella fastidiosa</i>				
<i>Xylella fastidiosa</i>				
Network analysis				
Mobile technology				
Climate change				
Pesticide withdrawals				
Sharing solutions				
Metaldehyde				
PCN				
Zebra chip				

Pest risk reports

- Status
- Scottish-specific issues
- Knowledge gaps
- PHC perspective
- Key priorities and recommendations





Reports and Newsletters



Plant Health Centre of Expertise for Scotland – 3 monthly report 1st November – 31st January 2019

Executive Summary

- Meetings with the CPHOS office and, in some cases, other SG officials (policy and SASA) were held to:
 - Identify a member(s) of the PHC to take part in an outbreak contingency exercise and provide SG with further requested evidence.
 - Determine PCN evidence gaps and how to fill them. The first step to this will now be initiated through a PHC commissioned project.
 - Determine the next steps in further developing a network map of expertise for Scotland and the UK.
 - Agree a role for the PHC in leading a joint PHC / SG combined Plant Health Forum in May 2019.
 - Determine the PHC's role in the post-2020 Scottish Biodiversity Strategy. This led to targeted stakeholder meetings (including SNH) and commissioned projects.
 - Determine how to coordinate efforts to promote the International Year of Plant Health 2020 through various events in 2019-20.
- A UK Plant Science Federation Report, launched at House of Commons in January 2019 highlighted the Scottish Plant Health Centre as addressing the need "to facilitate the rapid mobilisation of plant science expertise to effect coordination of research and response efforts to major disease outbreaks".
- Members of the PHC from three Scottish organisations (CEH, FR and SASA) have been successful in a multi-million pound bid with scientists in England / Wales to undertake research on different aspects of the biology and control of *Xylella fastidiosa*, the results of which will be fed through the PHC to the CPHOS office and other stakeholders as they arise. The latest PHC newsletter (December 2018) has been forwarded to the Steering Group and other stakeholders signed up on the PHC web site.
- Following consultation, scoping, tendering, review and revision, 14 projects have been commissioned by the PHC (for details see October 3 month report), with results expected in April 2019.
- A number of stakeholder meetings, both one to one and larger, have taken place including, e.g. Ian Gambles (Director of Forestry Commission England), Chris Gilligan (University of Cambridge and Chair of the UK Tree Health and Plant Biosecurity Taskforce), Archie Gibson (Chairman of the Food and Drink Federation of Scotland; Agriculture Champion for Scottish Government) and a joint meeting with representatives from Syngenta, Bayer, Corteva, BASF and Adama.
- The final report for the PHC funded project, 'Impact on Scottish crops if the molluscicide metaldehyde is withdrawn', was published on the PHC website. The report concluded that if metaldehyde use is restricted in Scotland, the substitution of ferric phosphate carries no additional treatment costs and has equivalent efficacy.
- A PHC funded project entitled 'Inferring and predicting forest pest invasion dynamics from surveillance data' was presented by Stephen Catterall (BioSS) at the BioSS annual meeting 'Plant Health modelling' in Edinburgh in November 2018.

CONTACT US

December 2018
Issue 3

PHC News

STRENGTHENING SCOTLAND'S CONTINGENCY PLANS FOR *XYLELLA FASTIDIOSA*

Contingency plans are an important part of Scotland's planning against possible incursions of harmful plant pests and pathogens. While the UK contingency plan for *Xylella fastidiosa* offers many of the requirements for this threat, the Plant Health Centre is working with the Chief Plant Health Officer for Scotland and other stakeholders to strengthen the plan specifically for Scotland. As a result, three projects have been commissioned by the Centre, building on work being conducted across Europe, as outlined below:

- Risk mapping of the likelihood and impact of *Xylella fastidiosa* outbreaks in Scotland.
- Using modelling to investigate the effectiveness of national surveillance monitoring aimed at detecting a *Xylella fastidiosa* outbreak in Scotland.
- Identifying the presence of potential insect vectors of *Xylella fastidiosa* in Scotland.

For more information visit: <https://www.planthealthcentre.scot/projects>

Image below: Spittlebug vector for *Xylella fastidiosa*. Credit – <https://www.flickr.com>



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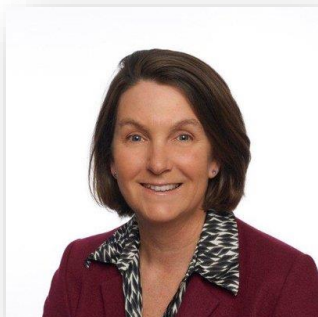
SPECIAL POINTS OF INTEREST

- Boost to the Centre
- Watching brief: Guatemalan potato moth
- Stories to share?
- Website and Twitter
- Contact us

Working with other centres



National and International Links



Nicola Spence

CPHO / Plant and Bee
Health at Defra



Animal &
Plant Health
Agency



Julie Fitzpatrick

UK Science Partnership for
Animal and Plant Health



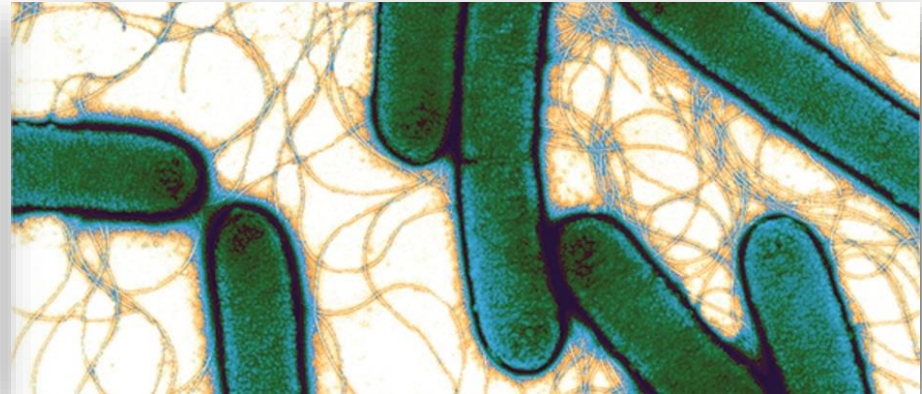
Giuseppe Stancanelli

Plant Health Team Leader - EFSA

National and International Links



Xylella preparedness
working group for
Diagnostic/Survey



Bacterial Plant Pathogens
BBSRC, Defra, NERC and Scot Gov

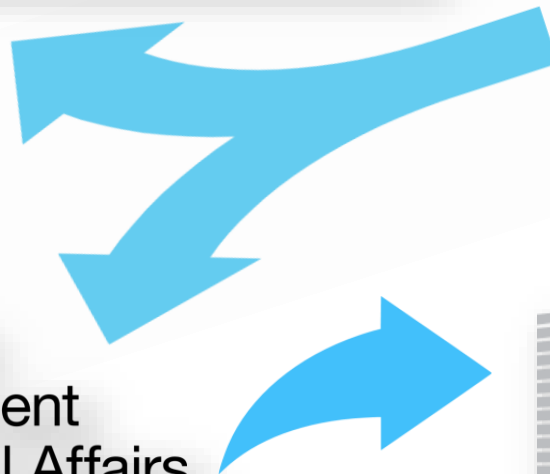
Science Advisory Group

International Year of Plant Health 2020



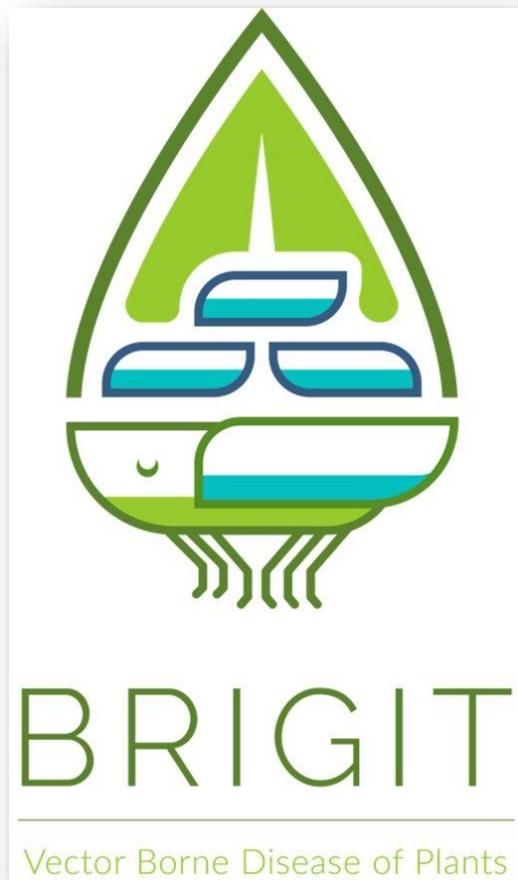
Department
for Environment
Food & Rural Affairs

Defra UK Plant
Health Forum



Standing Committee on Plants,
Animals, Food and Feed (SCOPAFF)

Added value



Bacterial Plant Pathogens
(Phase I)



Red Tractor and AHDB



European *Xylella* projects



Plant health modeller

Your thoughts

- Do you have any issues you would like to discuss with the Plant Health Centre?
- Notice boards for thoughts, ideas and, if you want us to get back to you, your details
- You can also write to us at:
info@planthealthcentre.scot



Contact Us

Twitter: @PlantHealthScot

URL: www.planthealthcentre.scot

Email: info@planthealthcentre.scot

Sign up to receive our newsletter and further information

