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Welcome to the PCN Action Scotland Winter conference

17th January 2023

New seminar room, James Hutton Institute
and online

Conference will start at 10am



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Start	Finish	Title	Speaker
1000	1005	Welcome address	Kim Davie (RESAS)
1005	1015	Introduction to PCN Action Scotland	Ian Toth (Plant Health Centre)
1015	1035	Current trends in PCN contamination	Jon Pickup (SASA)
1035	1055	The real cost of PCN to growers and the economy	Steven Thomson (SRUC)
1055	1115	PCN in its global context	John Jones (JHI)
1115	1135	BREAK	
1135	1200	Workshop 1: Developing a Decision Support system for growers.	Jim Wilson (SoilEssentials)
1200	1215	New developments in groundkeeper control	Catriona McLean (Soil Essentials)
1215	1245	PCN Action Scotland demonstration trials: Results	Phil Burgess (Scottishpotatoes.org) and Eric Anderson (Scottish Agronomy)
1245	1400	LUNCH	
1400	1415	Using new technologies to deliver robust resistance.	Ingo Hein (JHI)
1415	1430	What do we know about tolerance?	James Price (JHI)
1430	1510	Workshop 2 : Is current legislation sufficient to control PCN?	Panel session
1510	1520	Concluding remarks	Kim Davie (RESAS)
1520		DEPART	



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PCN Action Scotland



Ian Toth (James Hutton Institute / Scotland's Plant Health Centre)



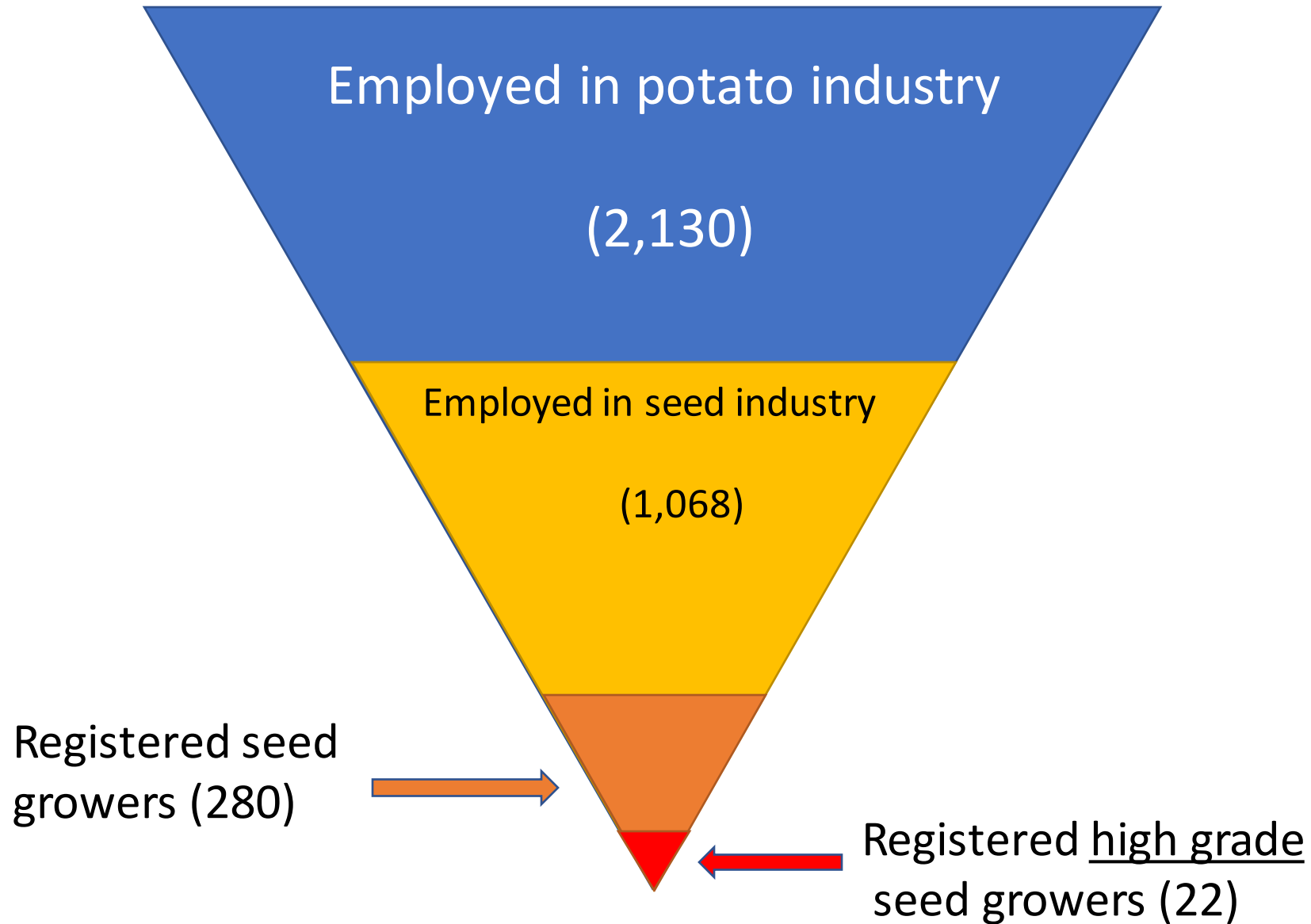
What is Potato Cyst Nematode (PCN)?



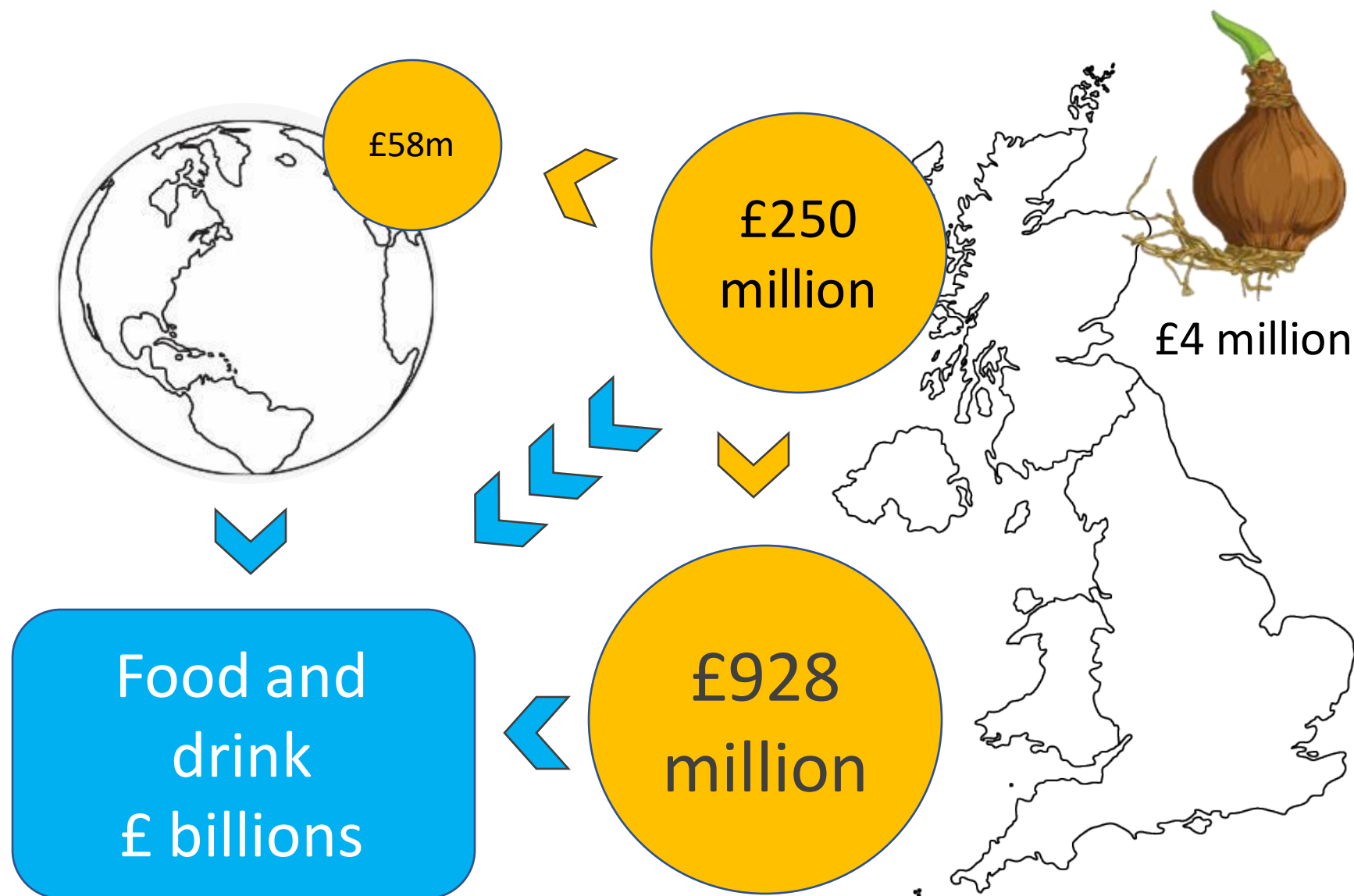
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The Scottish potato economy



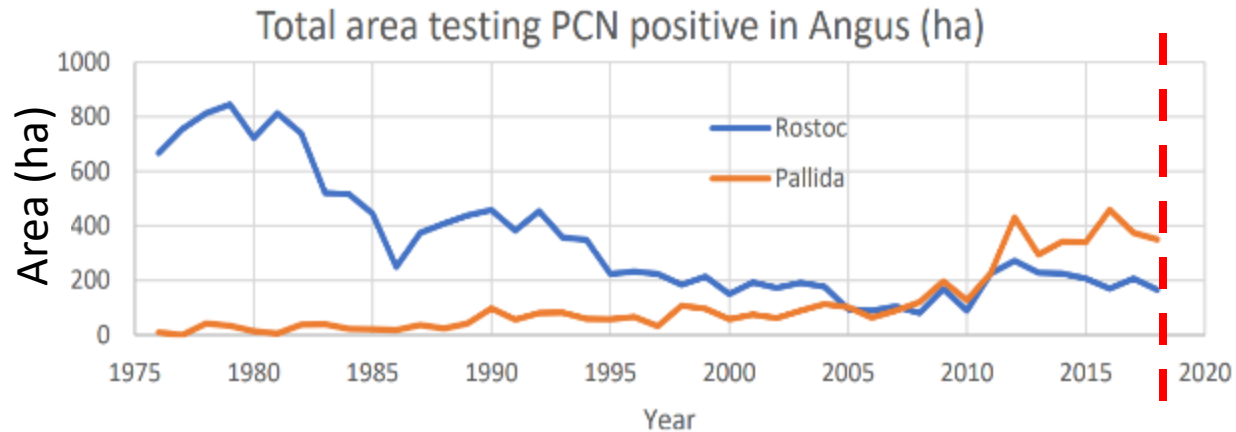
Scottish economy



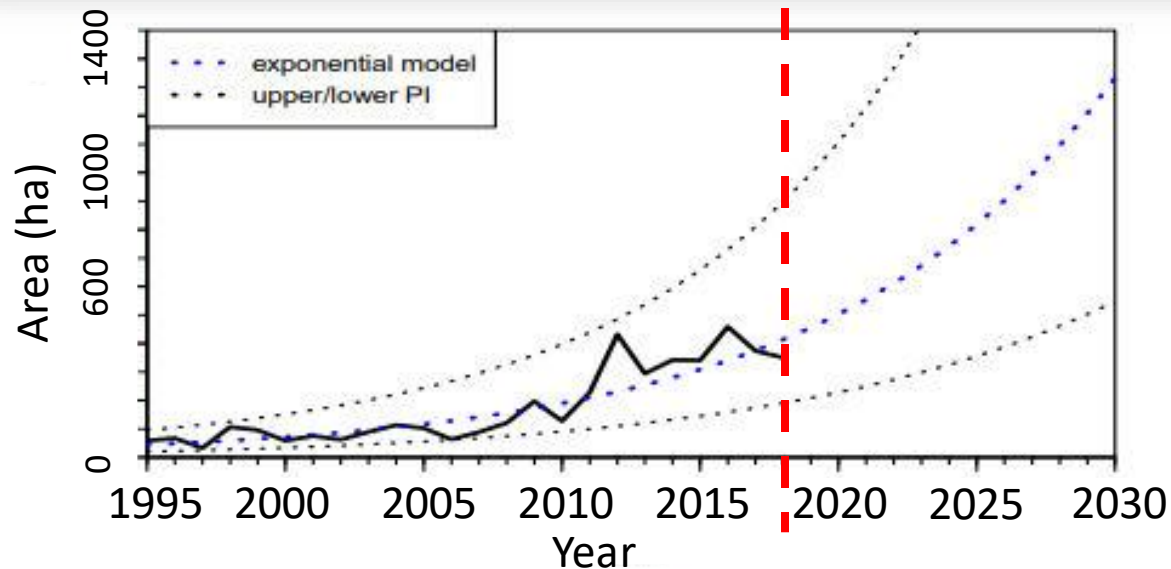
The future threat of PCN



Two species of PCN in Scotland

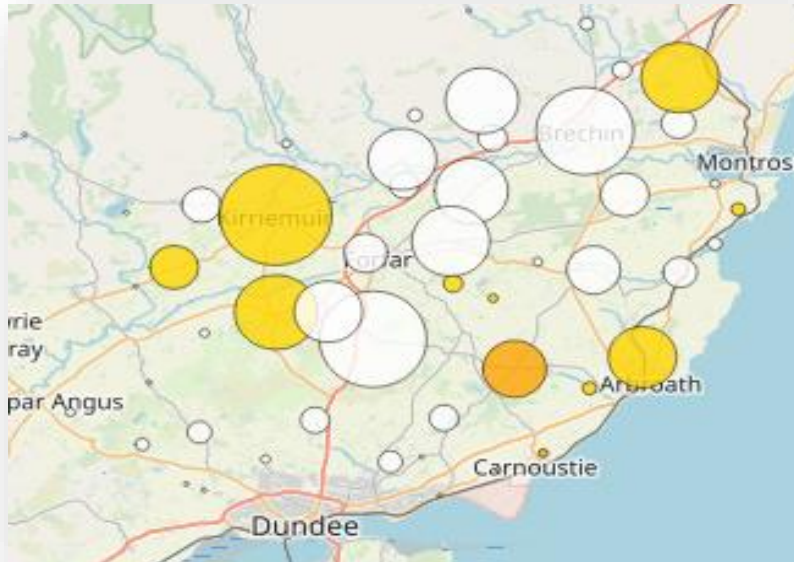


— Rostoc = *G. rostochiensis*
— Pallida = *G. pallida*

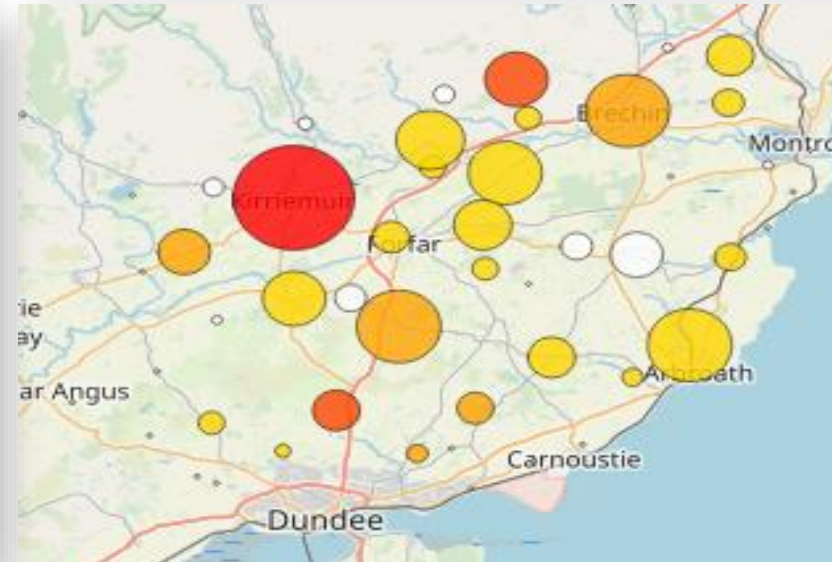


Spread PCN in Scotland

2008

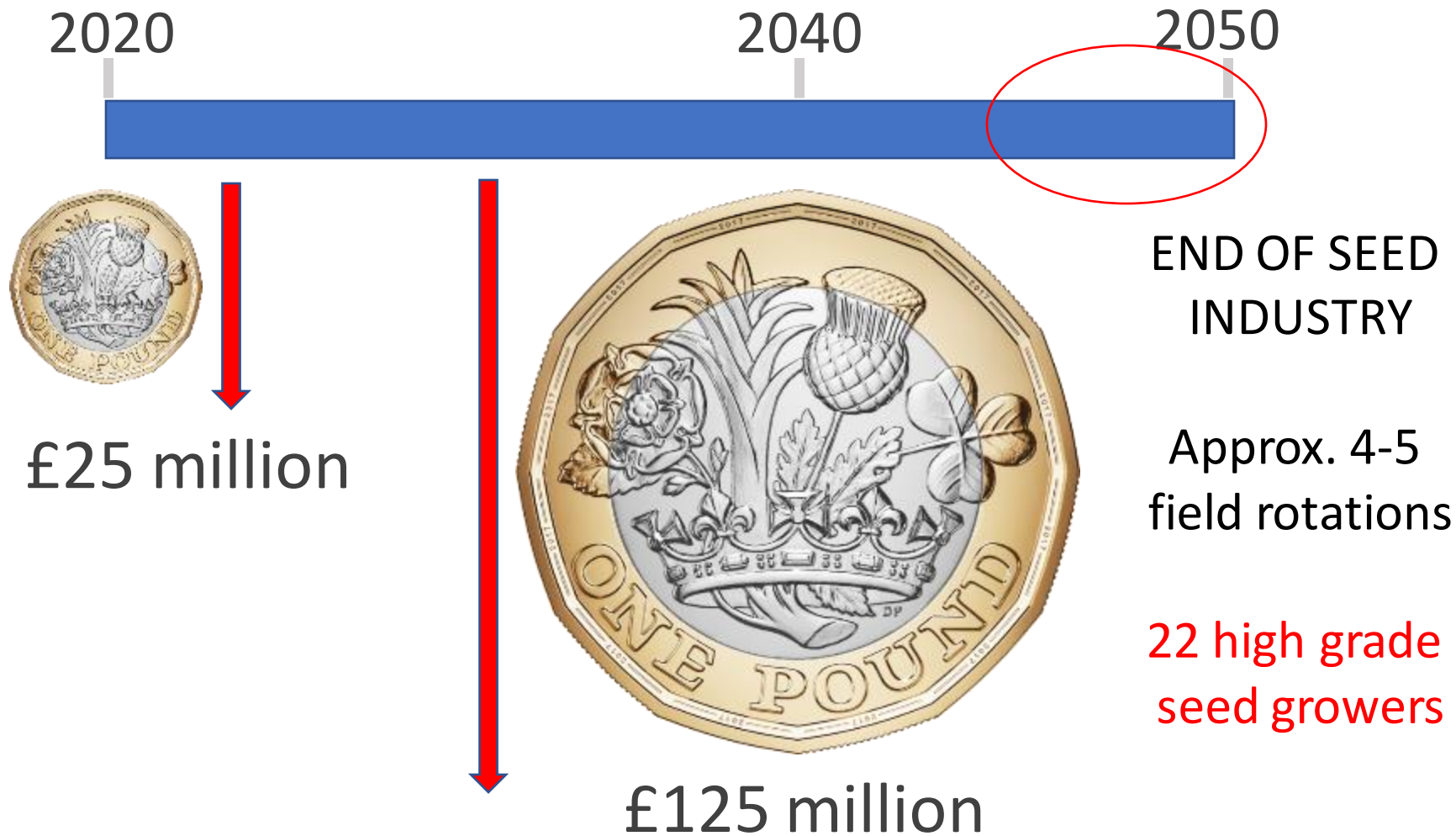


2018



To meet international standards, seed potatoes (and bulbs for export) cannot be grown on land recorded as infested with PCN

PCN and the Scottish economy



PCN Working Group

Jun – Dec 2020



Scot Gov

Industry

Academia

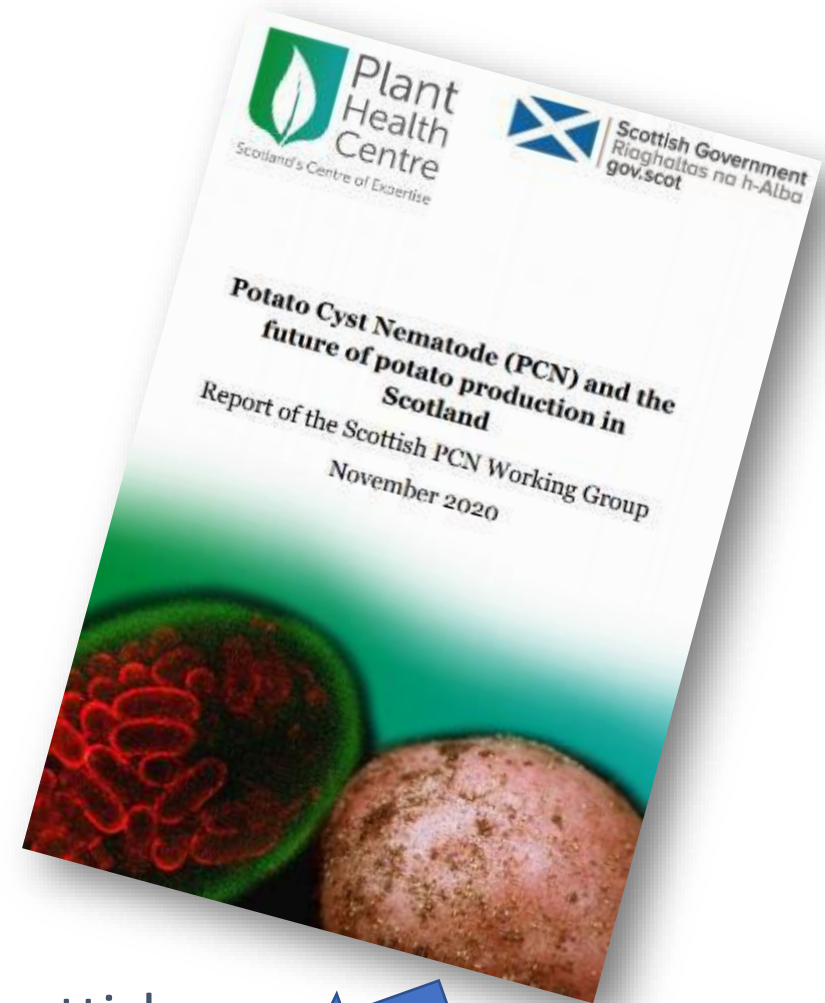
15

31
NFUS
AHDB
BPTA
PBGA
STET
SOAS
FPSA

11



Mairi Gougeon



- £2.3M Scottish Government grant
- 5 years (2021-26)





Scottish Government (RESAS/SASA)- funded project



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WP1 Economics



WP4 New breeding methods



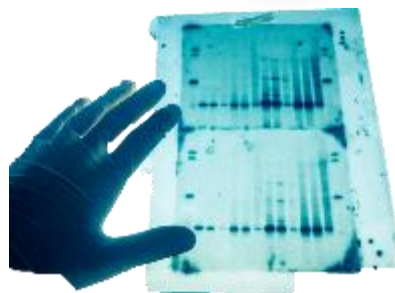
WP2 Decision Support System



WP5 Tolerance



WP3 Resistance markers





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Scottish Government (RESAS/SASA)- funded project

WP6 Groundkeepers



WP9 Legislation



WP7 IPM - soil
amendments / Trap crops



WP10 Increased statutory sampling
/ commercial diagnostics



WP8 Knowledge Exchange*

