

	Monday, January 7	
Point	Topic	Who
	<p>(b) FRAC study on fungicide alternation</p> <p>This study has been agreed upon in principle but we still have to identify a contractor.</p> <p>Proposal was to carry out project against grape downy mildew (SDHIs) and grape powdery mildew (QoIs).</p> <p>It was indicated that FRAG UK had a similar project on potatoes and it was suggested to obtain this information and share with HS and AM.</p> <p>It was proposed to have the budget increases from 30K to 40K which is reflected on the budget.</p> <p>The project should start in 2019 and JLG should contact Andrew Ward at CLi regarding drawing up of a contract</p>	<p>GK</p> <p>JLG</p>
3	Communication (website management)	
	<p>Website relaunch –</p> <p>JD shared the proposed new structure, current status and changes with the SC and would provide an update and report during the April meeting. The SC agreed to a gradual update, using modified templates to minimize workload.</p> <p>1. Rebranding of the FRAC logo was shown 2. It is planned to go live after agreement in April FRAC SC meeting. 3. The first draft of the section on crop/pathogen/AI was shared it was decided to start with selected crops. SC members should give feedback to JD if any key crops were missing and which recommendations (e.g. general, crop specific, multi-spray etc.) should be given for which crop.</p>	<p>JD</p> <p>JD</p> <p>ALL</p>
	<p>MoA APP</p> <p>JD gave an update on the APP and progress that has been made. The link to the APP had been widely distributed and some 4000 downloads had been recorded to date.</p>	
4	FRAC SC attention (publications, events, actions etc.)	
4.1	Decision needed	
	<p>The FRAC SC approved the changes and additions as proposed by email: (1) the document should be referred to as the “FRAC CONSTITUTION” (2) a few minor additions include for clarity (3) the Terms of Reference including working groups and local groups should be added as Annex 2, to the document.</p> <p>Update document with changes Share amended document with CLi When approved by CLi publish on website</p>	<p>DM DH DM/JD</p>

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Point	Topic	Who
4.2	Information	
	<p>ToR for chairpersons was published on the FRAC website but following decision at the meeting will be incorporated in the CONSTITUTION.</p> <p>The amended definition for Fungicide Resistance will be published on the FRAC website.</p> <p>The document describing the importance of multisite fungicides in resistance management was published on the FRAC website.</p> <p>FRAC was invited to join the SHARE4IPM Stakeholder Forum being set up within the H2020 research proposal. This was communicated with the SC and agreed to.</p> <p>Resistance 2019 will be held in September this year in Rothamsted and FRAC agreed to a sponsorship. Companies are reminded that requests for publications should be made by the February due date. FRAC to inform organisers of intention to present a poster. Registration deadline for poster-abstract: End of March.</p> <p>FRAC SC provided a letter of support to Kim Hammond-Kosack at Rothamsted for their grant application to BBSRC. FRAC would be interested and provide in-kind support.</p>	ALL DH/JD
4.3	Open questions	
	Discussions between RACs regarding common terminology remains open. HRAC has a new chairperson who should now also be consulted.	DH
5	FRAC list of Resistant Plant Pathogens update	
	Updated list to be shared for the FRAC SC meeting in April.	DM
6	FRAC Pathogen Risk List Revision	
	<p>AM presented the amended list to the SC. There was some discussion about how the three level of resistance (high, medium and low) were reached and it was accepted that there could be some borderline cases nevertheless it was generally accepted. It was also noted that various factors impacted on the level of resistance (pathogen, host environment).</p> <p>It was agreed by the FRAC SC to publish the document on the website and to highlight the changes / amendments.</p>	JD AM

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Point	Topic	Who
1	<p>Welcome and introduction</p> <p>DH welcomed the joining members to the meeting (via internet) and the Anti-Trust Guidelines were again presented.</p>	
7	<p>Minutes of last meeting (June 27-28, 2018)</p> <p>The minutes of the last meeting were accepted by the FRAC SC and the actions were reviewed.</p> <p>Ongoing or outstanding actions not mentioned elsewhere in these minutes are presented.</p> <p style="padding-left: 40px;">Update FRAC SC member list on the website</p> <p style="padding-left: 40px;">Ensure that new SC members are given a password for FRAC members only website</p> <p style="padding-left: 40px;">Ensure that new members give necessary consent regarding EU GDPR</p> <p style="padding-left: 40px;">Contact Klaus Tietjen who should update the xls sheet of “responsible” suppliers which we should use as basis to create complete list for publication on members only section of website</p> <p style="padding-left: 40px;">Japan should provide more details as to the relevance of reported resistance cases and how these are managed both from a FRAC perspective and from the officials. IU to connect with KT.</p> <p style="padding-left: 40px;">Member companies to identify and consider relevant compounds for inclusion as NON WG compounds on the FRAC website</p> <p style="padding-left: 40px;">Draw up a proposal on impact of the CBD on sample shipment for resistance monitoring.</p>	<p style="text-align: right;">JD</p> <p style="text-align: right;">JD</p> <p style="text-align: right;">JD</p> <p style="text-align: right;">KS</p> <p style="text-align: right;">IU/KT</p> <p style="text-align: right;">ALL</p> <p style="text-align: right;">KS</p>
8	<p>FRAC Objectives: 2019</p> <ul style="list-style-type: none"> • Establish research project to investigate resistance management benefits of alternations versus mixtures • Aspergillus project – complete studies, summarize and publish learnings, decide on follow-up (sustainability topic outside FRAC?). Post project continuation of scientific network, Communication focus. • Continue to build stronger links with Regional/country FRAC groups, as well as FRAG groups. • Support new regional groups by participation in their initiatives 	

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Point	Topic	Who
	<ul style="list-style-type: none"> – FRAC India, Korea, SE Asia, Mexico? – Redefine communication routes into global WGs and the SC based on TOR document for local FRAC leaders • Update and publish monitoring overviews and resistance management recommendations <ul style="list-style-type: none"> – Produce and publish updated Working Group, Expert Fora and Task Force recommendations. – Publish recommendations for AI's not covered in WG or EF on our website which fungicides? research companies, generics, unlicensed, data collection? discussion platform? agreements?) – lot of open points... – Continue crop focused approach for soybean, implement summaries for other crops, e.g. barley – Support development of database for resistance cases global and in regions? • Actively participate in conferences and symposia to promote the activities of FRAC: Reinhardsbrunn, APS, Aspergillus meetings, Resistance 2019 • Communication to broader target groups, non-specialists • Clarity on role sharing with RMPT / Crop Life • Video for FRAC • Update the FRAC Code list and MOA poster and publish • Decide on cases with incomplete X-resistance, criteria for grouping, listing of bio-control agents, refresh poster format, title review • Further improve quality of our products • Implement re-branding, new logos across all WGs, update documents on website • Update MoA APP • Database for mutations • Update validated sensitivity testing methodologies, including molecular methods • Prepare for searching information across WGs for crop/pathogen focus: Understand data structure needs • Operational excellence – budget management, transparency • Support for external projects – develop strategy for external collaboration requests e.g. support letters, request for funding. 	
9	FRAC Accounts 2018, Budget 2019.	
9.1	<p>Overview of FRAC expenditure in 2018</p> <p>Expenditure for 2018 was kept to budget allocation and a few outstanding payments would be made before the deadline for the year end (January 11, 2019).</p>	ALL

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9.2	<p>Budget for 2019</p> <p>Proposed FRAC Budget 2019 (USD) – updated</p> <p>The 2019 budget was agreed upon by the FRAC SC.</p> <p>The 2020 budget should be prepared by May 2019.</p>	AB/ALL
10	Communication: (general management and projects).	
10.1	<p>Publishing restricted documents for the greater FRAC community (e.g. crop recommendations, local meetings/discussions ... etc.)</p> <p>At present, restricted data on the FRAC website is restricted to SC members only. From time to time regions have documents, local crop recommendations etc. which we would like to share with the greater FRAC community but to do this we need to establish and agree on a way forward.</p> <p>The best way for local groups to share information would be to put it on their local websites which should be linked to the Global FRAC website.</p>	JD
10.2	<p>Progress in production of video for FRAC website</p> <p>SK reported on the progress she and IU had made regarding production of the FRAC video. A draft script was prepared and shared with Simpleshow and a follow-up meeting would be planned for January 2019.</p> <p>FRAC must choose the type of format to be used and feedback to SK would be appreciated. A link to the IRAC version to be shared with SC members for comment.</p> <p>Contact CLi (Andrew Ward) and see if they can contribute to the budget especially if multiple languages included.</p> <p>Since the SC meeting, SK has forwarded the quote from Simpleshow, slightly more than budgeted for, and the SC should give response. The topic was also discussed directly with Andrew Ward during his visit to Singapore in January. Reply by CLI pending.</p>	<p>SK</p> <p>DH</p> <p>ALL</p>
10.3	<p><u>Discussion with SC on 2019 communication projects</u></p> <p>Key elements to FRAC`s communications tools were discussed and suggestions as to improvements were put forward.</p> <p>The website renewal was going well and a number of updates would be made during 2019 (e.g. search functions and loading video).</p> <p>Updating the MoA APP where the code list was revised.</p>	<p>JD</p> <p>JD</p>

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Point	Topic	Who
	<p>Update and revitalize the FRAC leaflet in time for Resistance 2019 Symposium. KK to collaborate with JD regarding the redrafting of the text.</p> <p>Update and revamp the MoA poster and propose changes to the visuals and structures. Share proposals for new look poster with the FRAC SC when complete.</p>	<p>KK</p> <p>IU/GK</p> <p>GK</p>
11	<p>Responsibilities / Organizational aspects FRAC SC (a) Contact persons for outside groups (Local FRACs, FRAGs etc.)</p> <p>The contact lists for the various groups was being updated and would be shared with the FRAC SC when completed. When complete we will include on the FRAC website/SC members only section. Updates will include Henry Ngugi for Brazil and Ippei Uemura for Japan.</p> <p>(b) Contract for FRAC Scientific Support Officer – DM</p> <p>Contract for the Scientific Support Officer has been extended for another year.</p> <p>c) There was no further business.</p>	DM
12	News from Asia	
12.1	<p>ASIA FRAC: (Chair: Susan Knight) (incl. national FRAC activities)</p> <p>SK presented a brief summary of the group which was established in 2017. Key achievements in 2018 were:</p> <ul style="list-style-type: none"> • Significant progress with establishing national FRACs and resistance management groups • Engagement with governments and other national stakeholders (<i>Cambodia, China, Indonesia, Malaysia, Philippines, Taiwan, Thailand</i>) • Draft guidelines created for fungicide resistance management (rice, potato, cucurbits) <p>Direction they will take in 2019.</p> <ul style="list-style-type: none"> • Continue supporting Asia FRAC/ RACs • Stay focused on implementation of resistance management (communication, training, education, guidelines) <p>Five new countries have formed local FRAC/Resistance Management groups: India, Indonesia, Malaysia, Philippines and Thailand.</p> <p>Recommendations for 3 crops have been drawn up which should be shared with the FRAC SC for feedback and comment.</p>	<p>SK</p> <p>ALL</p>

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	Some clarity was requested regarding these recommendations especially around the compounds recommended (availability, registered status, number of applications etc.).	SK
12.2	FRMRG, AUSTRALIA (Vice Chair: Alistair James) No report received.	
12.3	FRAC CHINA (Chair: Yuejian Lu) KK gave a short overview of the situation in China and the main discussion point of concern was around the national standards they have for registrations. FRAC SC would like to get clarification of the situation and the implications this may have. It was also proposed to invite someone from China to give an update to the FRAC SC during our meeting after the Reinhardsbrunn Symposium. An update of activities should be presented during the FRAC SC meeting in April.	KK KK
12.4	FRAC JAPAN (Chair: Kentaro Tanabe) DH gave a short overview of this situation as provided by KT. Venturia resistance to DMI fungicides continues to spread and no longer recommended in Aomori province. Qols are also not recommended in Aomori resulting in an increase in multisite compounds. National and local governments form special task forces to address the resistance management but no new fungicides are on the horizon and multisites come under increasing regulatory pressure. Officials make recommendation for the different provinces and although not binding, these are generally followed. IU agreed to be the contact person for JFRAC and KT would be informed. He should get clarity regarding the total number of applications made for apple scab and discuss ways GFRAC can help with changes and recommendations. The situation becomes quite serious and local governments have asked the Ministry of Agriculture, Forestry and Fisheries (MAFF) to speed up registration process. FRAC Japan translated and printed the MoA code list and plan to update in March 2019. The FRAC statement on multisite fungicides was also translated and posted on their FRAC website. FRAC Japan also attended and made presentations at a number of meetings.	DH IU

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13	<p>Formation of FRAC data base for relevant mutations: update</p> <p>HS informed the meeting that a draft document was prepared and this would be shared with FRAC SC members but would be restricted for internal use only at this stage.</p> <p>It was important to not only have a list of mutations but to specify the relevance of the mutations. Although differences in interpretations could lead different approaches it should be made clear that we should not alter the general guidelines and recommendations for the various MoA.</p> <p>Give an update at the FRAC SC meeting in April.</p>	HS HS
14	News from Working Groups (Meeting summaries: December 2018)	
14.1	<p>AP</p> <p>AM gave a short overview from the WG meeting. The situation was generally stable and recommendations remained unchanged for both <i>Botrytis</i> and <i>Venturia</i>.</p> <p>Management strategies appear to work well and while there was no obvious reduction in number of AP applications it was thought that more mixture were being used. APs were also still being recommended and used in Japan.</p> <p>The next WG meeting is scheduled for January 20th 2020.</p>	
14.2	<p>CAA</p> <p>GS gave a short oral report on the CAA fungicides. No major changes were reported and some monitoring results were still outstanding which would be followed up on in a teleconference.</p>	
14.3	<p>SDHI</p> <p>KK gave a short update following the December WG meeting:</p> <ul style="list-style-type: none"> • Isoflucypram was added as a new AI • Septoria: <ul style="list-style-type: none"> ○ increase in frequency of isolates with moderate resistance factors in DE, IE, NL, UK ○ critical mutation 152 (high resistance factors) was detected for the first time in FR, but frequency of this mutation was generally still low • stable situation in most pathogens, e.g. net blotch, Ramularia and white mold in OSR • soybean ASR monitoring on volunteers: mutation frequency was at the same level as during in-season monitoring programmes • soybean target spot: single isolates with reduced sensitivity detected in several provinces in BR 	

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	<ul style="list-style-type: none"> no changes in recommendations next telcon to update monitoring results: scheduled for March 19. 	
14.4	<p>QoI</p> <p>HS gave a short presentation, summarizing the last WG meeting. Three new members joined the WG: Irina Metaeva from Syngenta, Yuichi Matsuzaki from Sumitomo and Henri Ngugi from FMC.</p> <p>Results were presented for</p> <ul style="list-style-type: none"> <i>Pyrenophora teres</i>: similar levels as 2017 <i>Erysiphe necator</i>: still variable frequencies <i>Venturia inaequalis</i>: low to high levels in Aomori, Japan <i>Phakopsora pachyrhizi</i>: high levels of F129L <i>Pyricularia oryzae</i>: heterogeneous distribution from no to high in Vietnam <p>Monitoring include 3 new pathogens, <i>Puccinia striiformis</i>, <i>Nefabraea albe</i> and <i>N. perennans</i> and no problems reported.</p> <ul style="list-style-type: none"> The WG also discussed the sensitivity situation in Japan and how FRAC have better access to influencers? The WG also discussed the CLI project idea: QoI/SDHI relation study Criteria for classification of fungicides: clarification from the MoA panel agreed by SC and working groups to be discussed. 	
14.5	<p>SBI</p> <p>KS presented a summary for the SBI WG and details can be found in the minutes on the FRAC website. The meeting was well attended with a couple of new members.</p> <p>The situation for DMI monitoring was generally stable although the situation for Barley: <i>Ramularia collo-cygni</i> was generally diverse across Europe. The situation on Asian rust in Brazil was generally stable although some slight shifts were seen locally in the west of the country.</p> <p>The situation with the KRIs was fairly stable for grape <i>Botrytis</i> while on strawberries there was some variation with high resistance in the UK.</p> <p>Current monitoring updates will be made in March and June. The data from March will be shared during the FRAC SC meeting in April.</p> <p>The next meeting will take place in January 2020.</p>	KS

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14.6	OSBPI The next meeting is planned for April 2019 and a report will be given when available.	JLG
14.7	Banana The next meeting is scheduled for May 1, 2020 in Miami. A Spanish translation of the recommendations is being verified KHL should share with JD when complete, for publication on the FRAC website. Check with Rebeca Madrigal from Monreri of the status of the putative SDHI resistant <i>M. fijiensis</i> strain – isolates ready for shipment.	JD AM
14.8	Qil Task Force The Task Force met on December 7, 2018, and the minutes are presented. Resistance monitoring was reported for grape downy mildew and potato late blight. On grapes resistance was detected in the South West of France but no problems on potatoes. Much of the data originates in Europe and the question from FRAC SC is whether the Companies conduct their own studies or if done by third parties. What about data from Japan? Details of the Qil strategy and recommendations has been provided on the template for compounds outside of working groups. FRAC needs clarification and should check and confirm statements under resistance stability and mechanisms.	DH DH
15	Compounds outside of Working Groups We need to finalize how this group should be added to the FRAC website.	JD
15.1	AZN (Azanaphthalenes) The situation will be reviewed in early March and reported on at the FRAC SC meeting in April.	JLG/GK
15.2	Other compounds We still need to follow up with Arysta concerning dodine data. Qil template provided FRAC Companies should provide input regarding in-house compounds for inclusion in this group and provide input by April 2019.	DH ALL

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16	<p>Plans for soybean follow up meeting (2019)</p> <p>A teleconference is planned for early June 2019 across WGs and KK takes the lead. One list of participants should be shared across the 3 WGs and respective chairs should use this for inviting participants to the specific WG sections.</p>	<p>KK</p> <p>KK /KS/HS</p>
17	<p><i>Aspergillus fumigatus</i> – project update & future plans</p> <p>KS provided a short overview of the history for this project and the importance evaluating the connection of azole resistance to <i>A. fumigatus</i> in agriculture and medicine. The project is in its final staged and a final payment will be made when we receive the final report.</p> <p>Briefly, azole resistance is widespread and subject to human exposure. Areas classed as hot spots include most bulb crops and where crops are stored under high humidity while cereals, grasslands etc are considered cold spots and less likely to create a problem. In a number of situations, the same genotypes were identified in hospitals and in the field.</p> <p>The next steps include publications on a number of topics and presentations and discussions at various meetings and Symposiums: Scientific meeting on azole resistance' Jan 22, 2019, Oslo Workshop in Amsterdam, on January 31st and February 1st 2019 Reinhardsbrunn Symposium: April 2019 APS, August 2019 Resistance 2019 in Rothamsted, September 2019</p> <p>It was agreed that FRAC SC should remain connected but their main functions were a scientific role and this should also be linked in with CLi who should also provide support. Some funds are made available in the 2019 budget for support activities but specifics need to be ironed out.</p> <p>Groups in other areas may also request support to investigate the situation and FRAC SC should evaluate these on merit (e.g. India).</p>	<p>ALL</p>
18	Reports from Expert Fora	
18.1	Benzimidazoles. Nothing to report	
18.2	Dicarboximides. Nothing to report	
18.3	Phenylamides. Nothing to report	

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19	FRAC Code List – Review	
19.1	<p>Update on code list 2019</p> <p>DH gave a brief overview of the panel and their activities. A new member joined the panel from Sumitomo. An update of the panel's meeting of November 27, 2018 where various topics were discussed was presented.</p> <p>Classification of biocontrol agents was a key point, especially those having multiple modes of action. Classifying biocontrol agents was very important as having a FRAC code was in many cases a or mandatory for labels. A decision was made as to clarify nomenclature used for bio-control agents and agreement of the need to maintain a BM classification for those compounds showing multiple modes of action. Furthermore, it was agreed to have 2 subclasses within the group; B01, botanicals or plant extracts and B02, microbials. This classification should however be supported with clear evidence of multiple modes of action.</p> <p>This decision and recommendation should be shared with companies who have requested their biocontrol agents to be classified (e.g. Lallemand and others)</p> <p>The FRAC SC agreed that mefentrifluconazole be classed as code 3 and the list should be amended accordingly.</p> <p>Update/amendments for the anilinopyrimidines would only be considered after the publication expected in 2019.</p>	<p>DH</p> <p>DH</p>
20	News from Americas and EAME,	
20.1	<p>FRAC South Africa (Chair: Willem Van De Pypekamp)</p> <p>No report received.</p>	
20.2	<p>FRAC SPAIN (Chair: Elena Robles)</p> <p>There have been some organisational changes to the group and the chairperson is now Elena Robles.</p> <p>Minutes of their last meeting is available.</p> <p>FRAC SC to ascertain as to what support is needed by Spain and clarity is needed regarding their statement about an alert for strawberry <i>Botrytis</i> (what type of alert?).</p>	HS
20.3	<p>FRAC BRAZIL (Chair : Luis Demant)</p> <p>LD who was recently elected to the chair of FRAC BR for the next two years gave an update of activities in Brazil, most of which dealt with Asian Soybean Rust (ASR).</p>	

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	<p>FRAC BR participated and contributed to a number of meetings and symposiums during the past year. One disturbing fact is the recommendation by Aprosoja in Mato Grosso state to have a second soybean planting. This is seen as against the law and an issue when it comes to resistance management. FRAC BR have expressed their concerns about this practice and will follow the process and implications over the 2019/2020 season.</p> <p>FRAC BR had some activities around oomycetes on potatoes to identify genotypes within the population.</p> <p>Proposals for 2019 include the following:</p> <ul style="list-style-type: none"> ➤ Identify population variability of <i>Alternaria</i> spp. on Potato ➤ Monitoring sensitivity of <i>Ramularia areola</i> on Cotton (Definition) ➤ Published mutant events Target leaf spot (December 2018) ➤ Review recommendation for Cotton and Soybean (January 2019) 		LD
20.4	<p>FRAC ARGENTINA (Chair: Julio Muriel)</p> <p>GFRAC received notification of changes to the local organisation and Julio Muriel was appointed to the chair. No report was received for the FRAC SC meeting</p>		
20.5	<p>NAFRAC (Chair: Gilberto Olaya)</p> <p>GO gave a short update of from NAFRAC and informed the FRAC SC of two new members. The 2018 APS/ICPP workshop has been successful and was well attended. It was suggested by the APS Pathogen Resistance Committee that FRAC organize an event during the APS meeting at least every 2 years. The presentations were available and would be shared with the FRAC SC via DM. The FRAC booth was also well attended and good contact was made.</p> <p>The next APS meeting will be held in Cleveland August 3-7, 2019 and the APS Pathogen Resistance Committee had already invited a number of speakers.</p>		GO GO
20.6	<p>Mexico consider to create fungicide resistance group (FRAC/FRAG) but this would be preceded by IRAC and HRAC groups. GFRAC would provide some guidance when needed.</p>		

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21	News from the FRAG groups	
21.1	FRAG-UK 1. CRD have made a commitment to see that FRAC MOA classification criteria become a requirement on future UK labels. 2. Proposal for a soft fruit FRAC UK guideline document to be produced. 3. UK resistant pathogen list to be updated. 4. AHDBs "Fungicide Futures" documents have been published. 5. Research update presentation where made by <ol style="list-style-type: none"> a. Bart Fraaije -Rothamsted UK SEPTR sensitivity profile 2018. b. Neil Paveley c. Summary of AHDB project looking at late blight sensitivity to key blight materials 6. Corteva and BASF presented results of 2018 company monitoring on SEPTTR sensitivity. 7. Next meeting March 2020, Cambridge.	
21.2	ECPR-F-Germany The next meeting is scheduled for January 29, 2019 and feedback would be made to the FRAC SC at their April meeting	AM
21.3	FRAG-NL Nothing new to report	
21.4	Végéphyl - France JLG informed the FRAC SC that the French group, AFPP, had changed its name to Végéphyl. A short summary (in French) was provided for monitoring of AZN sensitivity on grape powdery mildew.	
21.5	NORBARAG - Scandinavia and Baltics Nothing new to report	
21.6	NZCPR – New Zealand No response from NZ	
22	AOB DH to arrange invoicing of non-CL members who attend WG meetings (list confirmed).	DH

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Point	Topic		Who
23	Next Meeting: April 11 & 12, 2019:		
	Friedrichroda, Germany (Following the Reinhardsbrunn Symposium)		
24	Preparation for the April Meeting		
24.1	Attendance (Participation list) All FRAC SC members present intended attending the next FRAC SC meeting in April and Henry Ngugi would confirm his attendance as soon as it is approved. As the FRAC SC meeting follows the Reihardsbrunn Symposium participants would make their own accommodation arrangements.		ALL HN ALL
24.2	Agenda topics Invite officials from China who attend Reinhardsbrunn to join meeting to discuss situation regarding registration requirements and resistance, Gert to provide names. Invite local FRAC and FRAG chairs who attend the Symposium to join FRAC meeting for 1 st afternoon. Andreas to provide Duncan with names of those attending. If time available allocate slot for Demos (20 minutes each) for EPPO resistance data base and FRAC website.		GS AM DM
	Future meetings (Reserve the dates) FRAC WGs: January 20-24, 2020: FRAC SC: January 27, 2020: 12:00 – 18:00, January 28, 2020: 08:00 – 13:00 FRAC SC: June 2020 (dates to be confirmed)		