

**Minutes of DIAROD Editorial Meeting**



**COST Action (FP1102)**

**Action Title: Determining Invasiveness And Risk Of Dothistroma (DIAROD)**

**Venue: Institute of Lowland Forestry and Environment, Novi Sad, Serbia**

**28<sup>th</sup>-29<sup>th</sup> April 2015 8:30 – 16:00**

**Attendees**

- |    |                          |                 |    |                            |
|----|--------------------------|-----------------|----|----------------------------|
| 1  | Irene Barnes             | South Africa    |    |                            |
| 2  | Libor Jankovsky          | Czech Republic  |    |                            |
|    | Leopold Poljakovic-      |                 |    |                            |
| 3  | Pajnik                   | Serbia          |    |                            |
| 4  | Rein Drenkhan            | Estonia         | 16 | Andras Koltay Hungary      |
| 5  | Julio Javier Diez Casero | Spain           | 17 | Nicola La Porta Italy      |
| 6  | Jorge Martin Garcia      | Spain           | 18 | Anna Maria Vettraino Italy |
| 7  | Dmitry Musolin           | Russia          | 19 | Marta Vasconcelos Portugal |
| 8  | Martin Mullett           | UK              | 20 | Jan Stenlid Sweden         |
| 9  | Piotr Boron              | Poland          | 21 | Vladislava Galovic Serbia  |
| 10 | Ania Lenart              | Poland          |    |                            |
| 11 | Danut Chira              | Romania         |    |                            |
| 12 | Dusan Sadikovic          | Slovenia        |    |                            |
| 13 | Petr Vahalik             | Check Republick |    |                            |
| 14 | Martti Vuorinen          | Finland         |    |                            |
| 15 | Jelena Lazarevic         | Montenegro      |    |                            |

ITEM	SUBJECT	DISCUSSION	ACTION	DATE
1.	<b>Welcome, introductions and signing attendance list</b>	1.1 <b>Leopold</b> welcomed all the participants, requesting a minute of silence in memory of Linda Scatollin; Nicola gave a speech	-	-
		1.2 <b>Leopold</b> gave a presentation about the Institute of Lowland Forestry and Environment. Emphasised the research activities on <i>Poplar</i> , <i>Salix alba</i> , <i>Leuce</i> , <i>Robinia pseudoacacia</i> , <i>Quercus robur</i> , <i>Prunus avium</i> . Also mentioned the work on phytoremediation with poplar and willows.	-	-

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2.	<b>Purpose of editorial meeting (Libor/Irene)</b>	<p>2.1 No alterations were made to the agenda</p> <p>2.2 <b>Irene</b> introduced the topic of the <u>special issue for Forest Pathology</u>. This should be presented as an outcome at the final meeting in October. The special issue will be a mixture of research and review papers.</p> <p>Tentative titles for DIAROD – Forest Pathology Special Edition</p> <ol style="list-style-type: none"> <li>1) General introduction <ul style="list-style-type: none"> <li>- History of IDA, IDIOTS, DIAROD – evolution and spread of collaboration</li> <li>- Overview of the contents of the special issue – <a href="#">Anna</a></li> </ul> </li> <li>2) New types for the DNB pathogens and update of taxonomy – <a href="#">Irene</a>, <a href="#">Rein</a>, <a href="#">Dimitri</a>, <a href="#">Martin</a> (short communication)</li> <li>3) WG1 and WG3 – Emergence of an epidemic: DNB - A review of host susceptibility and pathogen spread – <a href="#">Rein</a>, <a href="#">Vera</a>, <a href="#">Petr</a> (review)</li> <li>4) WG1 – Population genetics of <i>D. pini</i> in Europe– <a href="#">Irene</a>, <a href="#">Dusan</a> (research paper)</li> <li>5) WG1 – Distribution of <i>D. septosporum</i> and its mating types in Poland – <a href="#">Piotrek</a>, <a href="#">Annia</a>, <a href="#">Martin</a> (research paper)</li> <li>6) WG2 – DNB, weather and possible climatic triggers for the global expansion of the disease – <a href="#">Alex</a>, <a href="#">Julio</a>, <a href="#">Jorge</a> (review)</li> <li>7) WG1 – Study of bionomy of DNB in Czech republic, New Zealand, French, Uk, Colombia, Slovenia, Estonian, Serbia – <a href="#">Vera</a>, <a href="#">Petr</a>, <a href="#">Jorge</a> (research paper)</li> <li>8) WG2 – Management and control of DNB – <a href="#">Julio</a>, <a href="#">Linsey</a> (review)</li> <li>9) <b>WG3 - A review of tolerance and resistance mechanisms involved in the <i>Dothistroma-pinus</i> interaction – <a href="#">Stuart</a> (review= DONE)</b></li> </ol> <p>(possible others)</p> <ol style="list-style-type: none"> <li>10)WG1 - Biological Invasions: A pine pathogen perspective with special reference to DNB - <a href="#">Irene</a>, <a href="#">Rosie</a>, <a href="#">Jan</a> (Review)</li> <li>11)WG1 - Diversity and polymorphisms in <i>Dothistroma</i> effector molecules – <a href="#">Rosie</a>, (research paper)</li> <li>12)Disease development in seedling of <i>Pinus sylvestris</i> and <i>P. contorta</i> in Sweden – <a href="#">Hanna</a>, <a href="#">Jan</a></li> </ol>	<p>-</p> <p>-</p>	<p>-</p> <p>-</p> <p>Papers to be submitted 1 June 2015</p>

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		<p>2.3 <b>Dmitri</b> suggested we should contact all cost participants and ask if they have something to be published.</p> <p>2.4 <b>Jorge</b> asked about the open access nature of the papers, and reminded that the papers will have to have 3 cost countries involved.</p> <p>2.5 <b>Irene</b> reminded the group that the final papers must be submitted by the first week of June. All agreed.</p> <p>2.6 <b>Dmitri</b> mentioned the 2-page paper on Dothistroma re-description, that should describe the type material, with sequence data and morphological description. This will be now b written up as a short communication.</p> <p>2.7 <b>Ana Maria Vettraino</b>, who has recently started working on Dothistroma, introduced herself to the group. She informed the group that so far she has only negative results from Italy.</p> <p>2.8 <b>Libor</b> inquired about the sexual stage of Dothistroma. <b>Irene</b> mentioned that anamorph and teleomorph names of the fungi have been discontinued. Nowadays we should mention sexual stage and asexual stage.</p> <p>2.9 <b>Libor</b> suggested the writing of a socioeconomic impact paper. The socioeconomic impact info can become part of WG3 review No2.</p> <p>2.10 <b>Dmitri</b> will look for the socioeconomic impact data in his files and will share with the group.</p>	<p>Irene</p> <p>Confirm with Anna</p> <p>Irene, Rein and Dmitri</p> <p>-</p> <p>-</p> <p>Julio</p> <p>Dmitri</p>	<p>June</p> <p>-</p> <p>1<sup>st</sup> week June</p>
3.	WG2 (Julio)	<p>3.1 <b>Julio</b> presented an update on WG2 and on the weather/climate review paper. He mentioned that Alex Woods would prefer to publish in a different journal rather than the special issue of Forest Pathology. The group agreed it would be preferable to publish in the special issue and Julio would share the group's opinion with Alex.</p> <p><b>Irene</b> mentioned we could try to have a paper version of the special issue.</p> <p><b>Julio</b> will share the final version of the paper with the group, and contributions should be added directly to that final version, with track changes.</p> <p>3.2 <b>Jorge</b> introduced the topic of the alternative</p>	<p>Julio</p> <p>Irene to ask Steve</p> <p>Julio</p>	<p>May 8<sup>th</sup></p> <p>-</p> <p>May 15<sup>th</sup></p>

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		<p>species and their frequency of occurrence with Dothistroma. It was decided that this output, which is provided by WG3, should be presented as a final result. It could come in WG1 paper (distribution of DNB).</p> <p>3.3 <b>Julio</b> introduced the scheme for the Review 2 (management and control). We are waiting for the first version (currently being written by Lindsay Bulman). The group agreed to wait for a reply until the end of the week. It was suggested to include a topic on surveillance, grey literature from different countries, and a title on “Improved monitoring techniques”.</p> <p><b>Danut</b> will collate data from the socioeconomic impact and this can be integrated in the paper.</p> <p><b>Nicola</b> suggested including a European map of susceptible hosts. There are some available tools to create these maps (Euforgen, ICP, EFI, etc), but most only have the native pines and not the plantations. This is a limitation, since plantations are very important sources of spread.</p> <p><b>Libor</b> introduced the topic of management by non host species, which can be included in Julio review 2</p> <p><b>Nicola</b> suggested we should mention the aflatoxin in the special issue (since it is a potential problem), however it is already in WG3 review.</p>	<p>Jorge</p> <p><b>Julio</b> will share the outline of the paper with the group</p> <p>Danut</p>	<p>June</p> <p>May 8<sup>th</sup></p> <p>May</p>
4.	WG3	<p>4.1 <b>Jorge</b> presented the review paper recently accepted in Forest Pathology (resistance mechanisms)</p> <p><b>Marta</b> suggested using the information on this paper to make a diagram for the climate/weather paper. This diagram would link the environmental factors (precipitation, temperature, light intensity, humidity, etc), with the physiological traits and host: pathogen interactions, which in turn will influence disease severity and impact.</p> <p>4.2 <b>Jorge</b> informed that Rosie suggested making a table of susceptibilities and to create a</p>	<p>-</p> <p>Marta</p> <p>All</p>	<p>-</p> <p>May</p> <p>End July</p>

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		<p>pamphlet. The group agreed that each country would produce a table for their own country. The field guide has been translated into 5 languages. Further translations must be completed by the end of <u>July</u> in order to print it on time.</p> <p>4.3 Send an email to Anna to see which languages have been translated, and if she has made any progress in terms of the printing process. There is an issue with copyrighting of the pictures. We need to identify the distribution networks. Each country must decide on how many copies they need.</p> <p>4.4 Printing of field guide</p> <p>4.5 <b>Julio</b> introduced the training school in July on bioinformatics for forest pathologists (July 21 to 24, Palencia, Spain). The number of trainees will be 15 and the number of trainers will be 5. Irene suggested that Julio sends out a questionnaire to assess people's needs and expertise's in order to make a more effective training school. Nicola suggested having a final evaluation form and a final test.</p> <p>4.6 <b>Julio</b> introduced a new COST action (Pinestrength), and motivated the different participants to join the action, if they have not already done so.</p>	<p>Martin, Katherine, Mike coordinate data collection</p> <p>Lepold/Serbia</p> <p>Julio sends out questionnaire to COST participants</p> <p>-</p>	<p>End of July</p> <p>August/September</p> <p>May</p> <p>-</p>
5.	<b>WG1 (Irene/Jan)</b>	<p>5.1 <b>Jan</b> presented the objectives in WG1 (Task 1 and Task 2), as well as the milestone descriptions.</p> <p>5.2 <b>Irene</b> will put the pdf of the DNB on her homepage, and she will also put a pdf for methods of assessing genetic diversity.</p> <p>5.3 <b>Jan</b> inquired if we need to mention COST in the acknowledgments. It was decided that we must include this in every paper, and that there is a standard sentence that should be used. "The authors would like to acknowledge the networking support by the COST Action (FP1102) Determining Invasiveness And Risk Of Dothistroma (DIAROD)"</p>	<p>-</p> <p>Irene</p> <p>-</p>	<p>-</p> <p>May 8<sup>th</sup></p> <p>-</p>

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		5.4 Participants should compile the available isolates and/or DNA and send it to the UK (for the microsatellite analysis)	Send isolates to Martin	Mid June
		5.5 <b>Piotrek</b> and <b>Ania</b> will perform the microsatellite analysis in the UK (funding will be known in May)	Piotrek/Ania	July/August/September to do the analysis
		5.6 <b>Jan</b> inquired about the milestone “Informing the regulatory authorities on the risk from new genotypes of DNB”. What should be informed, and to whom? Irene said that Anna Brown had suggested we make a 1-page paper for EPPO bulletin. The group suggested it could be done (e.g. mentioning the danger of introducing South American genotypes, which are different from the European ones)	Anna Brown?	Before October
		5.7 <b>Rein</b> presented the review paper ”Emergence of an epidemic...”		
		<b>Libor</b> will ask Karadich (Serbia) for the DNB situation in Bosnia and <b>Martin</b> will provide information for the US (per state)	Libor and Martin	-
		<b>Irene/Rein</b> will send an email with the table of first occurrences to everybody	Irene/Rein	May 8 <sup>th</sup>
		It was decided that the location for the country notes (As annex? Before references? After references?) will be decided by the journal editorial board.		
		<b>Dmitri</b> will make a short note for Georgia	Dmitri	May
		<b>Irene</b> will send global data to Rein to be included	Irene	1 <sup>st</sup> week May
		<b>Petr</b> presented the maps for DNB occurrence worldwide. He will receive coordinates for the locations that do not have coordinates. <b>Irene</b> provides locations for the Southern Hemisphere America. <b>Martin</b> will provide the remaining locations from the Northern	Irene and Martin send locations to Petr	June

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		<p>hemisphere.</p> <p><b>Petr</b> presented the data on the bionomy of DNB. <b>Libor</b> suggested to add information on the planting location of the pines to the model. Jorge made the point that we do not have the full picture of the negative points (sampling problem). Jelena suggested using severity index.</p> <p>The group decided to make a separate paper on the Bionomy of DNB. This will be lead by Vera. Detailed information on average ppt, temperature and elevation should be sent to Petr to include from countries from the Czech, Finland, Uk/Scotlin, Serbia.</p>	<p>Martin, Dmitri will send data to Petr</p> <p>Vera</p>	<p>May</p> <p>June</p>
6.	WG4 (Martin)	<p>6.1 <b>Martin</b> addressed the goals of WG4.</p> <p>6.2 <b>Irene</b> enquired why the updates send through last year including minutes of the last meetings have not yet been posted on the web. Martin explained that Forest Research hosts the site but that unfortunately it has been down for the last 6 months. He mentioned it would soon be back online and would also contain the Bio's that everyone sent in.</p> <p>6.3 Those members who have not sent in Bio's, they should send these through to Kath.</p> <p>6.4 The group decided not to make the best practice guide for practionioners, since we already have the field guide translated to different languages.</p> <p>6.5 Irene suggested that all new publications to do with Dothistroma should be sent through to the list-server to keep everyone updated.</p> <p>6.6 <b>Kath</b> requested samples of infected material</p>	<p>-</p> <p>-</p> <p>All: send Kath bios</p> <p>-</p> <p>Kath to send out as they are published</p> <p>-</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p>

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		with Massaria. If you have any, please send.		
		6.7 Travel cost reimbursement will be done electronically as usual.		
7.	<b>Location and date of next final meeting</b>	<p>7.1 Venue for last meeting.</p> <p>Ania and Piotrek asked the group if they could host the last meeting. The group decided by a unanimous vote that the next meeting will be in Krakow, Poland. Dates: <b>Preferred option:</b> 30<sup>th</sup> September, 1<sup>st</sup> October and 2<sup>nd</sup> October. <b>Alternative option:</b> 7<sup>th</sup>, 8<sup>th</sup> 9<sup>th</sup> October. We will ask Claire if she can set up a google poll to see which date will suit most members.</p> <p>Libor suggested we should double check location with Anna first as there was mention of the last meeting to be held in Croatia.</p>	<p>Piotrek and Ania</p> <p>Irene to follow up with Anna</p>	<p>-</p> <p>-</p>

<b>Approval of Minutes</b>		
Signature: _____		
Date: _____		