

Progress on Action Items from the First and Second Meetings of ESEAS-RI Work Package 2 (WP2) and ESEAS Working Group 2 (WG2)

15 October 2003

WP2 Meet	Action Item	Month due	Status
1	WP2/WG2-1-1: All participants at the meeting to send copies of their presentation material to the ESEAS Central Bureau (ESEAS CB) as pdf files.	03/03	Completed in 03/03: 5 out of 16 pdf files have links on the ESEAS web site under http://www.eseas.org/easeas-ri/management/meetings/ The option for participants to send any outstanding pdf files from this First Meeting is still open.
1	WP2/WG2-1-2: Hans-Peter Plag to put forward the thoughts of WP2/WG2 on the recommended specifications on GPS equipment and RINEX conversion software to be used at ESEAS Observing Sites, and make these available to Emin Ayhan and WP4/WG4 through the ESEAS web pages.	03/03	Completed in 03/03: Published on ESEAS web site under http://www.eseas.org/easeas-ri/management/status/wp4/tasks/t4.3/ (Ref: e-mails of 6 and 7 March 2003 from Hans-Peter Plag and Richard Bingley to ESEAS CB).
1	WP2/WG2-1-3: Hans-Peter Plag to contact Guy Woppelmann regarding the status of the revised French proposal and the issue relating to the identification of ESEAS CGPS data so that the ESEAS GPS data centre can be established as soon as practicable, either at ULR, France or at NMA, Norway.	03/03	Completed in 09/03: The ESEAS-RI CGPS data archive was established at NMA, Norway. The revised French proposal has still not been received and a formal agreement between IGS and ESEAS has still not been put in place. (Ref: e-mails of 12 August and 17 September 2003 from Hans-Peter Plag and Halfdan Kierulf).
1	WP2/WG2-1-4: Hans-Peter Plag to report on the results and recommendations of the IERS SBL regarding the use of station motion models for atmospheric loading	03/03	In progress: There is still some discussion taking place within the IERS community, so it was agreed that ESEAS should go ahead with the plan to apply the station motion models for atmospheric loading at the time series analysis stage not at the GPS processing stage. (Ref: personal communication from Hans-Peter Plag at the WP2/WG2 meeting on 15 October 2003).
1	WP2/WG2-1-5: Halfdan Kierulf and Hans-Peter Plag to report on whether the global parameters re-computed by SOPAC or IGS TIGA-PP can fulfil the requirements of ESEAS.	03/03	Completed in 04/03: The answer is no. IGS TIGA-PP is not doing any complete recomputation of orbits. SOPAC have done a recomputation of orbits, but they do not produce any clock information. However, since 2000, the IGS products may fulfil the requirements of ESEAS, so WP2/WG2 should focus on data available after this date. (Ref: e-mail of 28 April 2003 from Halfdan Kierulf to WP2).
1	WP2/WG2-1-6: Halfdan Kierulf and Hans-Peter Plag to circulate a first draft of the document being prepared for task T2.1 to all	04/03	Completed in 04/03: A draft document (version 0.1) describing the strategy was compiled and circulated. With input from

	members of WP2/WG2.		<p>WP2/WG2-1-7, a revised draft document (version 0.2) was compiled and circulated. Future coordination with EUREF and IGS TIGA-PP is anticipated.</p> <p>(Ref: e-mails of 3 April 2003, 28 April 2003 and 13 May 2003 from Halfdan Kierulf to WP2).</p>
1	WP2/WG2-1-7: All members of WP2/WG2 to comment on the draft document prepared for task T2.1 and all partners involved in task T2.3 to provide detailed information on their software and processing strategy as input to the document.	04/03	<p>Completed in 05/03: The draft document (version 0.1) was discussed and input was incorporated in the draft document (version 0.2). Further input has been requested for the final document (version 1.0).</p> <p>(Ref: e-mail of 20 March 2003 from Coskun Demir to NMA, NERC-POL and UNOTT; e-mails of 3 April 2003 and 28 April 2003 from Halfdan Kierulf to WP2; e-mail of 9 May 2003 from Norman Teferle to Task T2.1; e-mail of 13 May 2003 from Halfdan Kierulf to WP2).</p>
1	WP2/WG2-1-8: Ryszard Zdunek to contact AIUB, Coskun Demir to contact MIT and Simon Williams to contact SCIGN for clarification and advice on the implications of including baselines of a few kilometres with baselines of several hundred kilometres when carrying out a network solution based on double-differenced data.	04/03	<p>Partly completed: Coskun Demir contacted MIT and received a reply from Bob King in 03/03. For GAMIT, MIT suggested that there would be no problem with long observation sessions. Still awaiting inputs from SRC re: Bernese.</p> <p>(Ref: e-mail of 20 March 2003 from Coskun Demir to NMA, NERC-POL and UNOTT).</p>
1	WP2/WG2-1-9: Norman Teferle to send a brief report to Hans-Peter Plag recommending which quality parameters should be extracted from the s file produced by teqc to form part of a data time series file for monitoring the quality of the data in the archive prior to processing.	04/03	<p>Completed in 05/03: A draft document (version May 6, 2003) was compiled and circulated for comments.</p> <p>(Ref: e-mail of 6 May 2003 from Norman Teferle to WP2/WG2).</p>
1	WP2/WG2-1-10: Norman Teferle to contact Hans-Peter Plag with details of the quality parameters, that can be extracted from the s file produced by teqc, which could form part of a solution time series file.	04/03	<p>Completed in 05/03: A draft document (version May 6, 2003) was compiled and circulated for comments.</p> <p>(Ref: e-mail of 6 May 2003 from Norman Teferle to WP2/WG2).</p>
1	WP2/WG2-1-11: All members of WP2/WG2 to contact Hans-Peter Plag with suggestions for the solution time series file and all partners involved in task T2.3 to contact Hans-Peter with details of the quality parameters, that can be extracted from the output files produced by their respective softwares, which could form part of a solution time series file.	04/03	<p>Partly completed: Coskun Demir contacted MIT and received a reply from Bob King in 03/03 re: GAMIT. Still awaiting inputs from UNOTT, ROA, UPC and SRC re: GIPSY and Bernese?</p> <p>(Ref: e-mail of 20 March 2003 from Coskun Demir to NMA, NERC-POL and UNOTT).</p>
1	WP2/WG2-1-12: Hans-Peter Plag to discuss the development of the data and solution time series files with the EUREF TWG to see if they would be interested in working with ESEAS on its' development.	03/03	<p>Completed in 03/03: The answer is yes. Furthermore, EUREF TWG would also be interested in discussing the development of site documentation.</p> <p>(Ref: personal communication from Hans-Peter Plag at Project Team meeting on 15 May 2003).</p>

1	WP2/WG2-1-13: Hans-Peter Plag to propose a format for the data and solution time series files based on the information supplied and the discussions with the EUREF TWG and circulate this to all members of WP2/WG2 for comments.	On-going	In progress: Still waiting for input from WP2/WG2-1-11. At the second meeting of WP2/WG2, it was agreed that ESEAS should go ahead with the development of data and solution time series files and then let IERS, IGS and EUREF know what we have done. (Ref: personal communication from Hans-Peter Plag at the Project Team meeting on 15 May 2003 and at the Second Meeting of WP2/WG2 on 15 October 2003).
1	WP2/WG2-1-14: Simon Williams and Norman Teferle to circulate a first draft of the document being prepared for task T2.2 to all members of WP2/WG2.	04/03	Completed in 05/03: A draft document (version May 13, 2003) describing the strategy was compiled and circulated. (Ref: e-mail of 13 May 2003 from Simon Williams to WP2)
1	WP2/WG2-1-15: All members of WP2/WG2 to comment on the draft document prepared for task T2.2 and all partners involved in task T2.2 to provide detailed information on their software and strategy as input to the document.	04/03	In progress: The draft document (version May 13, 2003) is still waiting for input from NMA. (Ref: e-mail of 13 May 2003 from Simon Williams to WP2)
1	WP2/WG2-1-16: Halfdan Kierulf and Hans-Peter Plag to report on the results from their tests and give recommendations on the best approach to computing a global common mode bias for the analysis of coordinate time series produced by ESEAS GPS data analysis centres using PPP.	On-going	In progress: NMA have done some work on a European scale, using European IGS stations to solve for a common mode bias for stations in Norway. Hans-Peter Plag raised the issue of an IGS common mode bias at the IGS workshop. (Ref: personal communication from Hans-Peter Plag at the Project Team meeting on 15 May 2003).
1	WP2/WG2-1-17: Coskun Demir to prepare a draft of the information to be requested in terms of precise levelling height differences between the PTGBM and any other geodetic markers within a few kilometres of the tide gauge.	05/03	Completed in 10/03: A draft form was presented by Emin Ayhan at the Second Meeting of WP2/WG2. (Ref: personal communication from Emin Ayhan at the Second Meeting of WP2/WG2 on 15 October 2003).
1	WP2/WG2-1-18: Coskun Demir to continue the development of the software for the analysis of deformations based on precise levelling.	On-going	In progress: The software has been tested on the Antalya II local benchmark network. (Ref: report from Coskun Demir in the Annex of Management Report No 1 released on 12 May 2003 and personal communication from Emin Ayhan at the the Second Meeting of WP2/WG2 on 15 October 2003).
2	WP2/WG2-2-1: All participants at the meeting to send copies of their presentation material to the ESEAS Central Bureau (ESEAS CB) as pdf files.	10/03	
2	Action Item WP2/WG2-2-2: All members of WP2/WG2 to send corrections to the "Review of Man-Months" document and the "Review of the Description of Work" document to Richard Bingley by 28 October 2003.	10/03	

2	Action Item WP2/WG2-2-3: All participants at the meetings to send any corrections to the new "Progress on Action Items" document to Richard Bingley by 28 October 2003.	10/03	
2	Action Item WP2/WG2-2-4: Halfdan Kierulf to circulate a final draft of the document being prepared for task T2.1 to all members of WP2/WG2 by 28 October 2003 and seek any outstanding input and comments so that a final version could be prepared by 31 October 2003.	10/03	
2	Action Item WP2/WG2-2-5: Richard Bingley to provide Halfdan Kierulf with a list of the 24 CGPS@TG stations prepared under task 1.1 of WP1/WG1 by 17 October 2003.	10/03	Completed in 10/03: A copy of the document gps030915.txt was sent to Halfdan Kierulf on 17 October 2003. (ref: e-mail of 17 October 2003 from Richard Bingley to Halfdan Kierulf).
2	Action Item WP2/WG2-2-6: Halfdan Kierulf to retrieve the data for the additional 12 CGPS@TG stations from an IGS or EPN data centre and make this available to the analysis centres through the ESEAS CGPS data archive by 20 October 2003.	10/03	Completed in 10/03: The data was made available in the ESEAS CGPS data archive by Halfdan Kierulf on 20 October 2003. (ref: e-mail of 20 October 2003 from Halfdan Kierulf to ESEAS WP2).
2	Action Item WP2/WG2-2-7: Halfdan Kierulf to contact the task team and specify the 2 days for which SINEX files are required, the draft format of the solution time series file and the 3 stations for which solution time series files are required by 20 October 2003.	10/03	Completed in 10/03: The specifications were provided by Halfdan Kierulf on 20 October 2003. (ref: e-mail of 20 October 2003 from Halfdan Kierulf to ESEAS WP2).
2	Action Item WP2/WG2-2-8: All analysis centres involved in task T2.3 to process the extended sample data set and deliver SINEX files for all CGPS@TG stations for 2 specific days, solution time series files (in a draft format for the test phase) for 3 specific stations for all 90 days and a summary of their results (in terms of RMS values) for all stations for all 90 days by 28 October 2003.	10/03	
2	Action Item WP2/WG2-2-9: Halfdan Kierulf to prepare a report on the comparisons between the different analysis centres and circulate it to the task team by 31 October 2003.	10/03	
2	Action Item WP2/WG2-2-10: Hans-Peter Plag to provide atmospheric pressure loading time series for all CGPS@TG stations at ESEAS Observing Sites for use in task T2.5 by the end of 2003.	12/03	
2	Action Item WP2/WG2-2-11: Simon Williams and Norman Teferle to circulate a first draft of the document being prepared for task T2.2 to all members of WP2/WG2 by 28 October 2003 and seek any outstanding input and comments so that a final version could be prepared by 31 October 2003.	10/03	
2	Action Item WP2/WG2-2-12: Trevor Baker to provide Richard Bingley with a brief	10/03	

	report on the database of absolute gravity measurements by 28 October 2003.		
2	Action Item WP2/WG2-2-13: Coskun Demir_circulate a request for information on any precise levelling that has been carried out between the PTGBM and any other geodetic markers within a few kilometres of the tide gauge.	12/03	
2	Action Item WP2/WG2-2-14: Richard Bingley to prepare a draft report on WP2 for discussion at the Project Team meeting on 5/6 November 2003.	10/03	
2	Action Item WP2/WG2-2-15: Richard Bingley, Halfdan Kierulf, Hans-Peter Plag and Hasan Yildiz to prepare presentations on WP2 for the Project Team meeting on 5/6 November 2003.	10/03	
2	Action Item WP2/WG2-2-16: The analysis centres in task T2.3 should aim to carry out a substantial amount of processing over the next 6 months, for all CGPS@TG stations at ESEAS Observing Sites.	03/04	