HIPERDIAS	Teleconference 31/03/2016 1:00 – 2:30pm (CEST)
Attendees:	Marwan Abdou-Ahmed (USTUTT) Clemens Hoenninger (AMP) Fetah Benabid (XLIM) Jerome Alibert (GLO) Thorsten Wahlbrink (AMO) Jose Ramos De Campos (LASEA) David Bruneel (LASEA) Noemie Drury (C4L) William Scalbert (E6) James Clayton (KITE) Julie Devall (KITE)
Apologies:	Andreas Michalowski (BOSCH)

Speaker	Торіс	Evaluation
JD	The purpose of the teleconference call is for WP Leaders to give an overview	Risks, Actions, Issues
	of work package status	and Decisions will be
	Where necessary other partners may contribute to the discussion	highlighted
		separately

WP 1	Definition of User Requirements - BOSCH	Risks Actions
KITE/JD	(BOSCH were available to attend the meeting but due to technical issues were unable to use Skype for business	ACTION JD to discuss with AM to use for teleconference calls other than Skype for Business
BOSCH/AW	Andreas sent an email during the meeting explaining that he would provide a full update after.	ACTION JD to send out AM's updated summary to all partners
C4L/ND E6/ WS	<ol> <li>Concerning the <u>application requirements</u>, C4L are working closely with E6 in terms of the "cutting application"</li> <li>Also working on the laser parameter requirements of the ablation of diamond</li> <li>In conjunction with E6, C4L are conducting trials</li> <li>C4L / E6 have already started to consider the "machine" (i.e. size of laser)</li> <li>The laser set up at C4L (which has a lower power than the system planned in Hiperdias) is working fine and on track</li> <li>Work has finalised around the "measurement of power"</li> <li>We should have all data which will be communicated in a report at the end of April</li> </ol>	ACTION E6/C4L to send the report to WP Leader BOSCH and CH at AMP ACTION JD to remind BOSCH as WP Leader to gather all updates into one summary document
KITE/JD USTUTT/MAA	<ol> <li>In terms of <u>Process and systems specifications</u> LASEA have created a spreadsheet which contains a template for "collecting" interface requirements across partner organisations.</li> <li>This should be treated as a "living document" and sent to all partners so they can provide feedback</li> <li>Discussions with Clemens at AMP have taken place and the consensus is to book a TC involving LASEA (ASAP) to discuss further the parameters</li> <li>Dimensions of the laser</li> <li>Modulation of the laser beam</li> </ol>	<b>ACTION</b> LASEA to re- review Spreadsheet and provide further guidance on how to use it. Then it can be sent out to all partners. JD can assist with this.

	Marwan stated that: The seed that is planned to be provided by AMP is not	ACTION JD to send out
	quite what was expected.	DoodlePoll for TC
	11. Supplementary to immediate TC's should be a visit to USTUTT from LASEA	between USTUTT, AMP,
	so that the laser, machine and interface can be explored further. This	LASEA and BOSCH
	relates to T2.1	ASAP.
	12. LASEA visit to USTUTT – end of May/ beginning of June (MAA states that	
	this is good timing as there is a USTUTT conference at the end of May)	
	13. In terms of more pressing communication a teleconference call needs to	
	be arranged for USTUTT, AMP, LASEA and BOSCH	DECISION Approach
LASEA/JRdC	14. It makes sense to start work on <b>T1.4</b> and <b>T6.1</b> together in a combined	T1.4 and T6.1 as a
	way. They are both delivered in Month 12	combined task as there
C4I/ND	15. States that T1.4 is more "theoretical" and that T6.1 is more	is a dependency
	"concrete/practical, and it makes sense that these two are approached	between the two tasks
	together because the information will complement each other.	
ΙΙςτιιττ /ΝΛΑΑ	16. In terms of the <b>Design of grating compressors</b> MAA states that the first	
USTUTT/IVIAA	design is complete in terms of what was decided at the kick-off meeting.	
	17. Discussions have taken place with AMO in terms of production and this is	
	an ongoing task.	
	18. MAA stated that a design has been created that will exhibit:	
	• A diffraction efficiency (in the -1 <sup>st</sup> order) higher 99 9% of the 1030	
	nanometres (central wavelength of the Yh-YAG based laser systems)	
	<ul> <li>Spectra bandwidth of 20 panometres with a diffraction efficiency</li> </ul>	
	higher than 99% over this 20 nanometres	
	Damage threshold according to our modelling should be within the	
	• Damage threshold according to our modelling should be within the space agreed at the kick-off meeting ( $\sim 0.3  \text{J/cm}^2$ )	
	<ul> <li>LISTLITT has alternatives that does not have the same line density or</li> </ul>	
	angle of incidence but does exhibit better damage threshold	
	19 MM at AMO was going to send over a supplier spreadsheet with specs	
	and quotations to LISTUTT MAA stated that he has received a few and	discuss further with
	also recommonded others. MAA commonted that the last status undate	AMP this design and
	was that MM was still waiting on further quotations	the feasibility of
	20 In terms of the <b>Thin_dick Multi-Dass Amplifier</b> USTUIT has already a 1 <sup>st</sup>	production
	design and work has begun	ACTION MM at AMO to
	21 LISTLITT is now discussing the seed which is provided by AMP and the	provide full supplier list
	control of the system	to MAA / continue
	22 LISTUIT needs to discuss with AMP the method of the control of the	direct dialogue with
	system	MAA
	23 LISTUTT needs to know what the seed will provide in terms of modulation	
	scheme (AOM) and whether it will have the option to get access to both	
	transmitted and diffracted beam in order for USTUTT to implement their	
	modulation scheme (IP of USTUTT).	ACTION Plan a
	24. USTUTT needs to involve LASEA and BOSCH as end-users in this	discussion at the end of
	discussion.	April with USTUTT,
	25. This will be a discussion that makes sense when the end-user	AMP, LASEA and
	requirement are complete at the end of April.	BOSCH- specifically in
	26. A simple 30 guestion Word Document was sent over to AMP. We wanted	the implementation of
	to ask if the modulator was still there so that we could implement a	the modulation scheme
	modulation scheme. The modulator should remain. According to CH it	
	had been removed. But we have to keep this in so that we can implement	
	a modulation scheme for the thin-disk amplifier. We wanted to ask if	
	there was a possibility to have in their control system of the laser to	
	"add" options to control the pump diode of the multi-pass amplifier	
	27. Mechanical, electrical and questions around Space asked.	
	28. We were told that we may get a system at month 6 or 8 a system that is	
	"controlled alone" and we will need a provisory solution that will control	
	our multi-pass amplifier. Especially in terms of pump diode.	

C4L/ND	<ol> <li>29. We discussed the housing and asked about mechanical stability and accommodation.</li> <li>30. AMP deals with 100W lasers and could not recommend solutions for the 500W laser system</li> <li>31. This document could be circulated. This is for the 500W system</li> <li>32. ND asked if a similar document produced for the 200W</li> <li>33. Stated that the information that put together for AMP can be transferred to LASEA's Interface Requirement (Excel) Document</li> <li>34. Suggested that we should first start identifying all the components and that all partners should contribute to this document</li> </ol>	<b>ACTION</b> Partners need to identify main components and update LASEA's spreadsheet
WP 4	Photonics, Components for pre-and post-pulse conditioning - XLIM	
XLIM/FB	<ol> <li>FB explains that in terms of WP4 there are 4 tasks (Which are due to complete in 2016. There are 6 tasks altogether)         <ul> <li>T4.1 Design of grating compressors</li> <li>T4.2 Development of a lithography process for the fabrication of pulse compression gratings</li> <li>T4.3 Development of an etching process for the fabrication of optical components</li> <li>T4.5 Fabrication and characterisation of photonic microcell (PMC) module</li> </ul> </li> <li>T4.4 and T4.5 will be led by GLO and XLIM will lead on T4.6</li> <li>FB explains that work has taken place around the financial side especially in recruitment for a Post-doc</li> <li>Discussion has taken place around the early design of the PN hollow-</li> </ol>	
XLIM/FB (gives technical update on behalf of GLO)	<ul> <li>core PCF (XLIM)</li> <li>5. A module has entered a prototype preproduction which is nicely suited to be transformed to have beam delivery standalone for the partners of the consortium and the modules will need input from the partners which will use it for the lasers. The laser specs which have been sent to GLO which allows the modules to be designed and developed.</li> <li>6 MAA asks whether GLO requires the "laser beam specs" from USTUTT.</li> </ul>	ACTION USTUTT to send over the laser
USTUTT/MAA XLIM/FB	<ul><li>to which FB answers yes these will be needed.</li><li>7. In regards to the tasks to which GLO will be working on, AMP are involved. AMP are involved in qualifying the modules and the integrations especially the end-cap.</li></ul>	beam specs to XLIM/GLO
XLIM/FB USTUTT/MAA	<ul> <li>8. In order for GLO to start development we will require feedback from AMP in terms of the; <ul> <li>Spec lasers</li> <li>Beam size</li> <li>Average power</li> <li>Length of modules</li> </ul> </li> <li>9. From a GLO perspective we need to have a discussion with AMP on these items.</li> <li>10. States that we also need access to these fibres to test it. This process does not only include AMP. We must remember that here are two lasers being developed; <ul> <li>200w - which will be done at AMP</li> </ul> </li> </ul>	<b>RISK</b> The specs may not be detailed enough for GLO to work with causing delay (minor)
XLIM/FB	<ul> <li>500w – which also must be tested as stated in the DoA</li> <li>11. The module is a standalone. The fibre can be tested by different lasers. We do need more detailed specs irrespective of the laser being development.</li> </ul>	
USTUTT/MAA	12. We must keep in mind that the DoA states that we will test the fibers with the 500w to 1kw	ISSUE Testing timelines of when the laser is

	13. We need a detailed laser testing timeline which will indicate when the	ready to test are
XLIM/FB	laser is ready to test	ACTION Create a Laser
	and see whether we can have a PM (Polarization maintaining) effect	testing timeline
	that leads to a PER (Polarization extension ratio) of 20 dB without	
	being sensitive to additional stress.	
	15. When ready to dispatch XLIM will inform all partners	
	16. We are open to idea of conducting trials at LASEA with the 20w laser	
LASEA/JRUC	to get some familiarity/guidance on the fibre	
	17. FB stated that this would be ok	
	18. FB provided a summary of a discussion that took place between MAA	
	nower"	
	19. The discussion was around the beam delivery and the modules. We	
YIIM/ER	are interested in having modules as standalone/self-contained as	
	possible. The functionality that we wish to implement for modules is	
	the average power handling.	
	20. In order for us to first test the fibre and the modules of the lasers up	
	to 1kw we need to have access to a high power laser and refine the	
	design and test it. MAA and FB discussed doing this testing at USIUII.	PISK Thoro may be
USTUTT/MAA	21. MAA stated that OSTOTT have the following lasers (for a very short time only):	limited availability of
	<ul> <li>1 1kw CW with a good beam quality that has been</li> </ul>	lasers which are
	demonstrated (M <sup>2</sup> <1.3)	dependent on external
	• 400w sub-1 – pico second (M <sup>2</sup> <1.3) system that has been	dependencies like
	demonstrated. It is not a commercial system but it is stable to	institute timings.
	do experiments (the timings of availability will need to be	
	checked)	
XLIM/FB	22. GIO Teams to visit USTUTT	
-		
-	23. Stated a preference to use a 1kw laser as opposed to a 400w laser 24. Stated that if the visit is successful it will seal the module design and	
	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> </ol>	
	<ul> <li>23. Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>24. Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>25. MAA suggested that Fetah and others go to USTUTT as a combined</li> </ul>	
USTUTT/MAA	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> </ol>	
USTUTT/MAA	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> </ol>	
USTUTT/MAA WP3	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> </ol>	
USTUTT/MAA WP3 AMP/CH	<ul> <li>23. Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>24. Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>25. MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>1. CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> </ul>	
USTUTT/MAA WP3 AMP/CH	<ul> <li>23. Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>24. Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>25. MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>1. CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>2. The laser will not contain much R&amp;D as it very similar to a "standard</li> </ul>	
USTUTT/MAA WP3 AMP/CH	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP         <ol> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a</li></ol></li></ol>	
USTUTT/MAA WP3 AMP/CH	<ul> <li>23. Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>24. Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>25. MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>1. CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>2. The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> </ul>	
USTUTT/MAA WP3 AMP/CH	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMIP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> </ol>	
USTUTT/MAA WP3 AMP/CH	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "become heavie" enderset for the page for the page.</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA AMP/CH	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> <li>The 500w laser will also require modulation and there is a task directly related to this.</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA AMP/CH USTUTT/MAA	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> <li>The 500w laser will also require modulation and there is a task directly related to this.</li> <li>CH states that this is understood</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA AMP/CH USTUTT/MAA	<ol> <li>Stated a preference to use a 1kW laser as opposed to a 400W laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> <li>The 500w laser will also require modulation and there is a task directly related to this.</li> <li>CH states that this is understood</li> <li>MAA stated that access to the second beam (a pragmatic approach)</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA AMP/CH USTUTT/MAA AMP/CH	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> <li>The 500w laser will also require modulation and there is a task directly related to this.</li> <li>CH states that this is understood</li> <li>MAA stated that access to the second beam (a pragmatic approach) needs to be clarified</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA AMP/CH USTUTT/MAA AMP/CH	<ol> <li>23. Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>24. Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>25. MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>1. CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>2. The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>3. Discussions have taken place around the 50w laser</li> <li>4. The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> <li>5. The 500w laser will also require modulation and there is a task directly related to this.</li> <li>6. CH states that this is understood</li> <li>7. MAA stated that access to the second beam (a pragmatic approach) needs to be clarified</li> <li>8. We don't have a fixed date for the installation and delivery of the</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA AMP/CH USTUTT/MAA AMP/CH	<ol> <li>23. Stated a preference to use a 1kW laser as opposed to a 400W laser</li> <li>24. Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>25. MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>1. CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>2. The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>3. Discussions have taken place around the 50w laser</li> <li>4. The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> <li>5. The 500w laser will also require modulation and there is a task directly related to this.</li> <li>6. CH states that this is understood</li> <li>7. MAA stated that access to the second beam (a pragmatic approach) needs to be clarified</li> <li>8. We don't have a fixed date for the installation and delivery of the 50w laser. We can probably advance this a little but as yet we won't commit to a fixed date.</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA AMP/CH USTUTT/MAA AMP/CH C4L/ND	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> <li>The 500w laser will also require modulation and there is a task directly related to this.</li> <li>CH states that this is understood</li> <li>MAA stated that access to the second beam (a pragmatic approach) needs to be clarified</li> <li>We don't have a fixed date for the installation and delivery of the 50w laser. We can probably advance this a little but as yet we won't commit to a fixed date</li> <li>ND asked CH if the drawings were realistic for the 200w laser</li> </ol>	
USTUTT/MAA WP3 AMP/CH USTUTT/MAA AMP/CH USTUTT/MAA AMP/CH	<ol> <li>Stated a preference to use a 1kw laser as opposed to a 400w laser</li> <li>Stated that if the visit is successful it will seal the module design and GIO could go to the "pre-production stage"</li> <li>MAA suggested that Fetah and others go to USTUTT as a combined visit and should pencil in the last day of May/first day of June</li> <li>Ultrafast Laser Front-end Development - AMP</li> <li>CH explained that AMP will provide the (50W, 300-400fs) laser on a "short-term basis"</li> <li>The laser will not contain much R&amp;D as it very similar to a "standard product". However, there will be some "optimisation work" which is in progress to configure the laser to fit the multi-pass amplifier</li> <li>Discussions have taken place around the 50w laser</li> <li>The modulation work and related IT that is taking place on a much "longer-term basis", relates to work specific to the 200w laser and not the 50w laser</li> <li>The 500w laser will also require modulation and there is a task directly related to this.</li> <li>CH states that this is understood</li> <li>MAA stated that access to the second beam (a pragmatic approach) needs to be clarified</li> <li>We don't have a fixed date for the installation and delivery of the 50w laser. We can probably advance this a little but as yet we won't commit to a fixed date</li> <li>ND asked CH if the drawings were realistic for the 200w laser.</li> <li>CH checked email and measurements are satisfactory.</li> </ol>	

	11. CH raised the issue that BOSCH have very hard requirements which	
USTUTT/MAA	could restrict R&D work.	
	12. MAA stated that during the kick-off meeting there was discussion that	
	the laser would go to BOSCH. The solution to mitigating any risk	
	threatening to slow down R&D work is to satisfy as much as possible	
	the requirements for the laser and machine specs for the end-users to	
	perform their applications work.	
WP8	Dissemination & Exploitation Planning - KITE	
KITE/JC	1. JC gave a brief overview of the dissemination and exploitation planning	ACTION JC to send
	2. JC opened up a "Screen share" in Skype for Business and showed partners	partners a link to the
	development work that has taken place on the <b>lask 8.1</b> relating to the	vebsite for an initial
	3 The Website contains information relating to partners and has a "member's	ACTION Partners will
	area" which will hold the usual information that will be expected by partners.	need to send an
	The members' area will act as a secure central repository so that everyone	updated photo of
	can find information quickly and securely.	themselves and any
	4. Partners will need to review information that is a specific to themselves and	other up to date
	approve the content before the website is made live	picture of themselves
	5. The website's content will be finally approved and signed-off by MAA / JC	and any other material
	<ol> <li>In terms of 18.2, work has begun on Communication kits which relate to material required by partners for conferences, publications and tradeshows</li> </ol>	they deem appropriate
	etc	the website
	7. JC asked partners about up and coming conferences and events where	ACTION Partners to
	Hiperdias would be disseminated :	forward details of
	MAA – will be attending Photonics Europe	events/ activities that
	ND – Attending a conference in Geneva	could be used on the
	MAA- has attended a workshop held by C4L whereby C4L have talked about Hiperdias	website and logged
KITE/IC	8. JC stated that an up and coming deliverable (D8.3 Video presentation of the	ACTION JC to catch up
	Hiperdias project) is due in May.	with MAA to discuss
	9. The video can only be an introduction to the Hiperdias project, since there are no results yet. It would make sense to have another video later in the	video in more detail.
	vear when there are results.	
	10. JC explained that this is entirely possible and should not be a problem to do.	
	It is also possible to have a video right at the end of the project	
WP9	Project Management	
KITE/JD	1. The current pending deliverable is <b>T9.1</b> Project Management Handbook which	
	is currently in question over a section relating to publication access rights.	ACTION JD to send out
	I he query is with the PO. However, this is a "living document" and will be submitted	19.1 and submit to EU
	2 An Amendment Session on the participant portal has been opened in regards	Failicipalit Foilai
	to the addition of CNRS at XLIM. The details have been logged and this is now	ACTION JD to keep
	with the commission.	Consortium informed
	3. In the DoA it states that WP Leaders should gather updates and provide	of amendment process
	status summaries of their work packages and be responsible for ensuring that	
	relevant partners are up to date. KITE can assist with this if needed perhaps in	ACTION JD to keep
	the sense of providing useful templates to assist with this process.	consortium informed
	4. The Members area on the Website will help centralise mormation properly	or amenument process
	Next Teleconference	ACTION JD to send out
	Currented Find of April / 1st week of Mary	a DoodlePoll
	Suggested: End of April / 1" week of May	