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Abstract:	This deliverable reports on the publication of the award winners in Call 1 for R&D-proposals. The management, evaluation and selection of Call 1 for R&D-proposals is reported on in Deliverable D0.4, together with the overview of the Call 1 for Components.
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Disclaimer

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1. Executive Summary

This deliverable reports on the publication of the award winners in Call 1 for R&D-proposals. The management, evaluation and selection of Call 1 for R&D-proposals is reported on in Deliverable D0.4, together with the overview of the Call 1 for Components.

2. Call 1 – R&D Proposals

2.1 General Information

Call 1 for R&D Proposals opened on: 12/03/2007

Call 1 for R&D Proposals opened on: 30/04/2007

The original Closing Date (13/04/07) was extended as a too small number of proposals were received on the deadline and indications were given that several R&D institutes were intending to submit a proposal. There were also difficulties with the ACCORD website which made it impossible for some parties to submit their proposals in time.

The Components were listed on the ACCORD website and the Call for R&D Proposals was announced via the ACCORD website.

In total 15 proposals were received within the set time-frame. Out of these 15 submitted proposals, 13 were selected as being within the scope of the Call. Two submitted proposals did not make any use of one of the proposed components and were because of that taken out of the competition.

2.2 Submitted R&D proposals

In total 20 components were received within the set time-frame and were considered within the scope of the Call. Three proposals were submitted after the set deadline and are withheld for the 2nd Call.

- ACCORD-Call1-001; “Non telecom applications for 980 nm, 1064nm and 1480 nm pump laser modules” by AVANEX
- ACCORD-Call1-002; “Semiconductor Optical Amplifier” by Cascade Technologies
- ACCORD-Call1-003; “Semiconductor Optical Amplifier” by Centre for Integrated Photonics (CIP)
- ACCORD-Call1-004; “635/650nm and hi speed BH 1550nm semiconductor laser platforms” by CST Global
- ACCORD-Call1-005; “Higher Power Pulsed Light Emitting Diodes in the UV Spectral Region” by Edinburgh Instruments Ltd
- ACCORD-Call1-006; “IR to UV Fiber Laser for Industrial Applications” by EOLITE Systems
- ACCORD-Call1-007; “Enhancement of All-Fibre Stripper” by FIBERLOGIX
- ACCORD-Call1-008; “Wavefront Corrector” by Imagine Optic
- ACCORD-Call1-009; “100+ channel 50mm piezoelectric deformable mirror” by Flexible Optical B.V.



- ACCORD-Call1-010; “FireFly 532nm - Green Frequency Doubled Laser” by Global Laser Ltd
- ACCORD-Call1-011; “Parasite linewidth analysis on a 1.5µm Er doped fiber laser” by KEOPSYSA SA
- ACCORD-Call1-012; “Process for Building Components on Cleaved Face of Optical Fibres” by LOVALITE SAS
- ACCORD-Call1-013; “Growth of High Performance GaN Based LEDs on ZnO Templates” by Nanovation SARL
- ACCORD-Call1-014; “WAVEFRONT SENSORS - ShaH FAMILY” by VISIONICA
- ACCORD-Call1-015; “100 Gbit/s Photodetector Module” by Heinrich Hertz Institute
- ACCORD-Call1-016; “40 GBit/sec Mach-Zehnder Modulator based on InP” by Heinrich Hertz Institute
- ACCORD-Call1-0017; “SLIM- 355” by Oxxius S.A.
- ACCORD-Call1-018; “40 GHz Optical Clock Recovery” by Heinrich Hertz Institute
- ACCORD-Call1-019; “40/43 GHz Carver Laser Source” by Heinrich Hertz Institute
- ACCORD-Call1-020; “40 GBit/sec Mode-Locked Laser” by Heinrich Hertz Institute

2.3 Geographical distribution

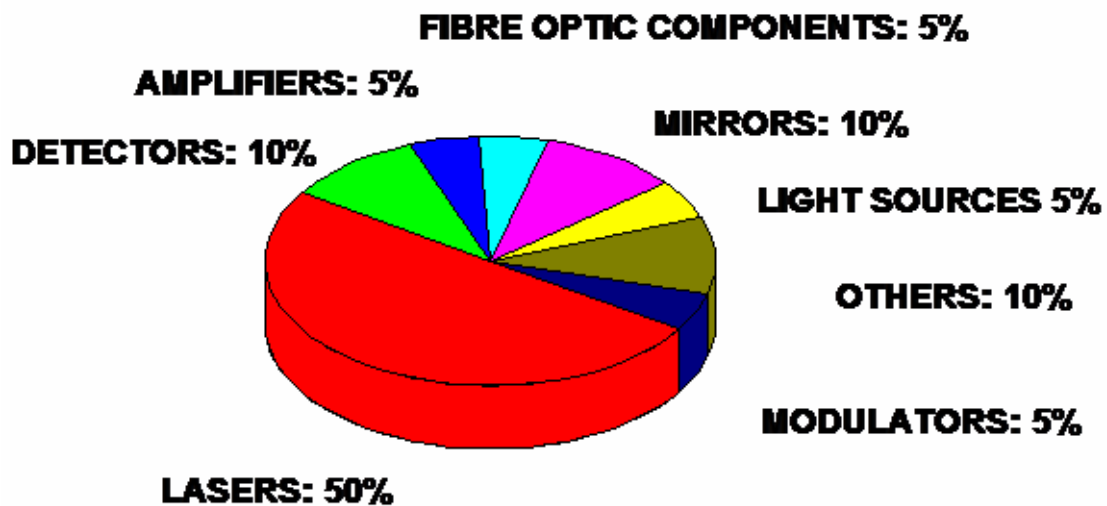
France:	7
United Kingdom:	6
Germany:	5
Russia:	1
The Netherlands:	1





2.4 Devices classification:

- Lasers: Cascade Technologies, CST Global, Edinburgh Instruments, Eolite, Global Laser, Keopsys, Oxxius, HHI
- Detectors: HHI
- Fibre Optics Components: Lovalite
- Optical Amplifiers: CIP
- Adjustable Mirrors: Flexible Optical, Imagine Optic, Visionica
- Modulators: HHI
- Light Sources: Nanovation
- Others: Fiberlogix, Avanex



2.5 Back-Up Calls

In view of the sufficient number of submitted proposals, no “Back-Up Call 1” is applied.



3. Reviewing process Call 1 – R&D Proposals

The appointment of the members of the Evaluation Board and the overview of the reviewing process is listed in Deliverable D0.4 and is not copied here.

3.1 Submitted R&D Proposals

The submitted R&D proposals are listed below, including the component they intend to use.

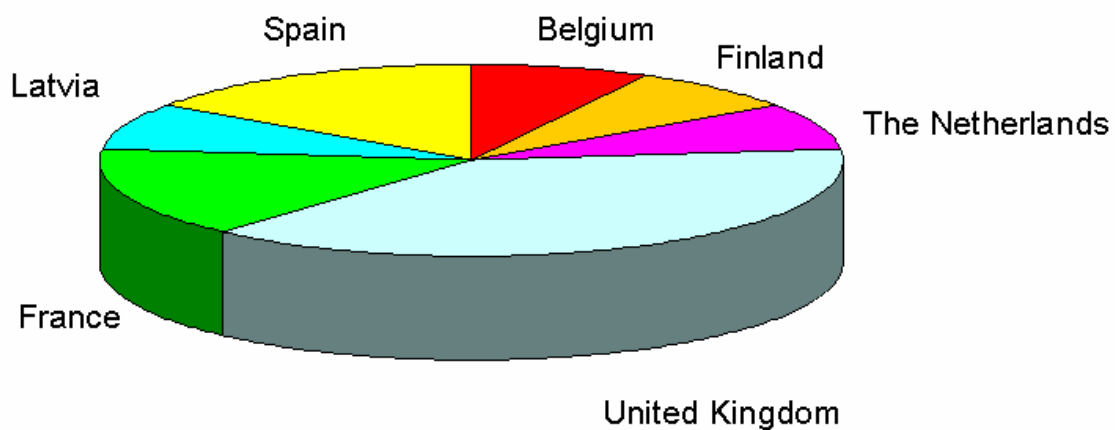
- ACCORD - R&D - Call1-101; “All-fiber nanosecond source for broadband characterization of nonlinear materials” by Faculté Polytechnique de Mons (B); using “EOLITE - IR to UV Industrial Laser”
- ACCORD - R&D - Call1-102; “Short pulse laser Eolite Corus 10G for micromachining of biodegradable implants and grooving of silicon wafer” by Tampere University of Technology (SF); using “EOLITE - IR to UV Industrial Laser”
- ACCORD - R&D - Call1-103; “Extension of current 650 nm laser platform of Compound Semiconductor Technologies (CST) to include a Photonic Crystal Output conditioning element.” By Delft University of Technology (NL); using “Compound Semiconductor Technologies (CST) - 635/650nm Red Semiconductor Laser Platform”
- ACCORD - R&D - Call1-104; “Negative differential resistance (NDR) driving circuits for high-speed communications lasers” by University of Glasgow (UK); using “Compound Semiconductor Technologies (CST) - Hi speed BH 1550nm semiconductor laser platform”
- ACCORD - R&D - Call1-105; “Parabolic Pulse Generation using a monolithic 40GHz Mode-Locked Laser” by Aston University (UK); using “Heinrich Hertz Institute - 40Gbit/sec Mode-Locked Laser”
- ACCORD - R&D - Call1-106; “Taper for rare-earth doped waveguide laser (TWL)” by University of Caen (F); using “LOVALITE - Fibre face components”
- ACCORD - R&D - Call1-107; “Non-contact optical correlation diagnostics of slightly rough surfaces” by Uni Chernivetskyi Derzhavny (Ukraine); using no component listed by ACCORD, proposal not submitted for review.
- ACCORD - R&D - Call1-108; “Adaptive Optics for Eye Physiology Studies” by University of Latvia; using “Visionica - Wavefront Sensors”
- ACCORD - R&D - Call1-109; “Photoporation using fiber tips” by St Andrews University; using “Loyalite - Fibre face components”
- ACCORD - R&D - Call1-110; “Characterisation of Second Harmonic Generation of Green Laser Emission” by St Andrews University; using “Global Laser Ltd - FireFly 532nm Green Frequency Doubled Laser”
- ACCORD - R&D - Call1-111; “A multi-wavelength, time multiplexed, spectrometer for atmospheric sensing” by Strathclyde University (UK); using “Cascade Technologies - Quantum cascade lasers at 5 wavelengths in IR”
- ACCORD - R&D - Call1-112; “Testing and system upgrading” by UNIVERSIDAD POLITÉCNICA DE MADRID; using “FiberLogix - All-fibre stripper”



- ACCORD - R&D - Call1-113; “Characterisation of Semiconductor Optical Amplifiers and Electroabsorbers and their use in novel applications” by Universidad Polit cnica de Valencia; using “CIP - SOA / EA Modulators”
- ACCORD - R&D - Call1-114; “GaN by MOVPE on the innovative and high quality ZnO/c-sapphire epiwafers” by UMI2958 Georgia Tech – CNRS; using “Nanovation - ZnO wafers”

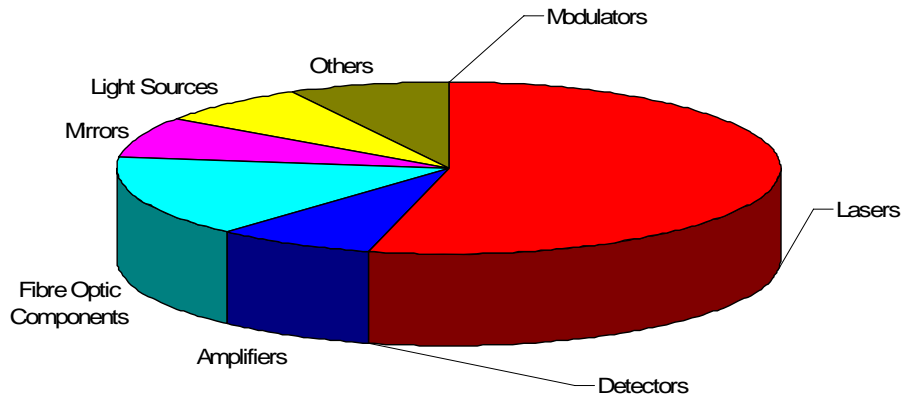
3.2 Geographical distribution

Belgium:	1
Finland:	1
The Netherlands:	1
United Kingdom:	5
France:	2
Latvia:	1
Spain:	2





3.3 Devices classification:



3.4 Evaluation Board, Evaluation Process and Selection procedure

This part is described in detail in deliverable D0.4 “Report on Call 1 – Submitted Components – Call 1 Submitted R&D Proposals & Evaluation & Selection Process” and is not repeated here.

3.5 Back-Up Calls

In view of the sufficient number of submitted proposals, no “Back-Up Call 1” is applied.

3.6 Outcome of the reviewing process

On June 3rd the evaluation process was closed and by June 15th a final selection was made by the ACCORD project consortium. This final selection looked specifically into the comments made by the reviewers.

During this final selection, the ACCORD consortium however did not find any reason to change the ranking made by the reviewing panel and so the top 5 proposals were selected for starting the negotiation process between component supplier and academic research group.

<i>R&D-Group:</i>	<i>St Andrews University</i>
- R&D Proposal No.:	ACCORD - R&D - Call1-109
- R&D-Proposal:	Photoporation using fiber tips
- Component Supplier:	Lovalite
- Component No.:	ACCORD - Call1-012
- Component Submitted:	Fibre face components



R&D-group: *Tampere University of Technology*

- R&D Proposal No.: ACCORD - R&D - Call1-102
- R&D-Proposal: Short pulse laser Eolite Corus 10G for micromachining of biodegradable implants and grooving of silicon wafer
- Component Supplier: EOLITE
- Component No.: ACCORD - Call1-006
- Component Submitted: IR to UV Industrial Laser

R&D-group: *University of Latvia*

- R&D Proposal No.: ACCORD - R&D - Call1-108
- R&D-Proposal: Adaptive Optics for Eye Physiology Studies
- Component Supplier: Visionica
- Component No.: ACCORD - Call1-014
- Component Submitted: Wavefront Sensors

R&D-group: *Universita Politecnica de Madrid*

- R&D Proposal No.: ACCORD - R&D - Call1-112
- R&D-Proposal: Testing and system upgrading
- Component Supplier: FiberLogix
- Component No.: ACCORD-Call1-007
- Component Submitted: All-fibre stripper

R&D-group: *Universidad Politecnic de Valencia*

- R&D Proposal No.: ACCORD - R&D - Call1-113
- R&D-Proposal: Characterisation of Semiconductor Optical Amplifiers and Electroabsorbers and their use in novel applications
- Component Supplier: CIP
- Component No.: ACCORD-Call1-003
- Component Submitted: SOA / EA Modulators

The argumentation behind the selection of 5 proposals is based on the assumption that a total of 10 (or slightly above) proposals will be funded during the whole course of the ACCORD-project.

3.7 Notification

The proposers (both selected and non-selected) were notified on June 15th about the outcome of the reviewing and final selection process. The selected proposals are listed on the ACCORD-website.



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- To login please enter your Username and Password below.
- If you find that a previous login does not allow you to gain entry, please re register via the "To Register" page.

Username: _____

Password: _____

Welcome to ACCORD: Advanced Components Cooperation for Optoelectronics Research and Development

ACCORD is the Advanced Components Cooperation for Optoelectronics Research and Development - an experimental program funded under the Sixth Framework Programme of the European Union (IST-2005-2.5.1, Photonic Components).

Beginning in September 2006 and running for 3 years, ACCORD's purpose is to:

- Purchase at marginal cost pre-competitive photonic devices from innovative European companies and put them in the hands of European researchers and students, at no net cost to the university or to the company that furnished the devices and
- Facilitate transfer of device evaluation results to potential end-users, assisting companies to access new markets and new applications.

The First Call for ACCORD R&D is now closed. The first call for components resulted in 21 offerings from 17 companies. The first call from Research organizations using the components offered resulted in 13 proposals. 5 proposals were selected for taking forward into the negotiation phase. For more details please see: [Newsletter No.3](#)

Worldwide companies and European university researchers with an interest in either the provision or evaluation of photonic devices are invited to participate. Involvement is free of charge. Organisations wishing to participate are asked to register their interest and hence become a Member of the ACCORD Project by following the [To Register](#) link.

Registration with ACCORD allows participating Members to log-in to the Member's Area of this website which includes:

- ACCORD Member List linking to Member Profiles consisting of contact, activity and collaboration goal details of Members;
- Details of ACCORD Past Events showing Event programmes and presentation slides;
- On-line or download form facility enabling the submission of a proposal to ACCORD either to provide or evaluate a photonic device;
- Member Details update facility;
- Search Engine enabling the contents of the website to be searched.

ACCORD is managed by a Consortium comprising Interuniversity Microelectronics Center, European Photonics Industry Consortium, Multitel, Haute Ecole Spécialisée de Suisse Occidentale, Wrocław University of Technology, Sagem Défense Sécurité, Scottish Optoelectronics Association and Perfos.

ACCORD NEWS

2007-09-17
ACCORD Newsletter No.4
Published

2007-06-19
ACCORD Newsletter No.3
Published

2007-05-04
ACCORD Newsletter No.2
Published

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ACCORD FUTURE EVENTS

Photonics Europe 2008

ACCORD will present a progress report at Photonics Europe, which will be held in Strasbourg between April 8th and 10th. It is planned that the researchers who are successful in proposing programmes from the first Research Call will give a resume of their work.

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The award winners were also listed in the ACCORD Newsletter No. 3. This newsletter is submitted as Deliverable D5-3c - Newsletter 3.



Highly Successful First Call

The ACCORD Partners are extremely pleased with the results from the first calls.

The first call for components resulted in 21 offerings from 17 companies.

The first call from Research organisations using the components offered resulted in 13 proposals.

This by far exceeded the partners expectations but was a very pleasant surprise.

An independent Panel of experts assessed the research proposals and the following proposals were selected for taking forward into the negotiation phase (in alphabetical order):-

- University of Latvia: Visosnica, Wavefront Sensors
- Universita Politecnica de Madrid: FibreLogix, All-fibre stripper
- University of St. Andrews: Lovalite, Fibre face components
- Tampere University of Technology: EOLITE, IR to UV Laser
- Universidad Politecnica de Valencia: CIP, SOA/EA Modulators

The ACCORD Partners will, now, approach each of the five consortia to address remaining points necessary to allow potential contracts being placed the autumn of 2007.

It is the intention to ask for more Research proposals based on the current offered components which still meet the pre-market criteria, in a 2nd Call between 1st September and 5th October 2007.

Presentations from the successful Research proposals will be made at a seminar held during Photonics Europe in Strasbourg in April 2008.

Second Call under Framework 7 features Photonics

The second call under FP7 was announced on 12th June with a closing date of 9th October 2007. This call will include Objective ICT-2007.3.5: Photonics components and systems. More information about the call can be found at www.tinyurl.com/34h5e7

Extract from the ICT-Photonics FP7 Workprogramme

Target Outcomes

1. Core photonic components and subsystems, which are essential in multiple application fields:

- a: High performance Lasers
- b: High brightness, power efficient solid-state light sources for ICT and general lighting applications
- c: Optical fibres for high performance and for specific functions
- d: High performance image sensors
- e: Sensors exploiting innovative sensing principles.

The negotiation process between component supplier and academic research group was started immediately following this decision on June 15th. This process is described in the deliverables of WP3.



4. Conclusions

This deliverable reports on the Call 1 – R&D Proposals and more specifically the outcome and the publication of the Call.

The number of submitted R&D proposals in Call 1 was sufficient to justify expectation of an acceptable level of quality. No Back-Up calls were used.

The reviewing process resulted in a selection of 5 proposals to be taken to the next round i.e. the negotiation between R&D group and component supplier.