	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b></p> <p><b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 1</b></p>
---	--	---

## Minutes of the 34th Scientific Committee

Held at Paris Observatory (room Danjon) , on December 16th 2009.

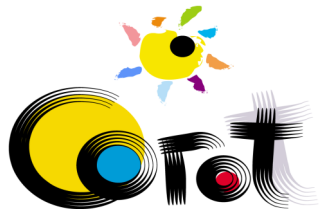
<b>Prepared by par:</b>	<b>Annie Baglin</b>	
<b>Accepted by:</b>	<b>The SC members</b>	

### MODIFICATIONS OF THE DOCUMENT

Ed.	Revs.	Date	Modifications	Visa
1				

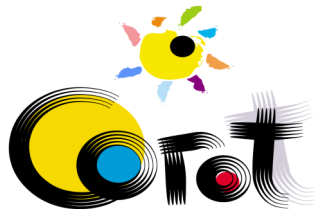
### REFERENCE DOCUMENTS

Reference	Title of the document
SC34-DR1	Mission status OV
SC34-DR2	Data treatment and deliveries SC
SC34-DR3	A possible niche for CoRoT/Exoplanet extension JS
SC34-DR4	On the extension of CoRoT J. Cabrera et al.

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b></p> <p><b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 2</b></p>
---	--	---

## DIFFUSION:

G. ALECIAN	OPM	X
M. AUVERGNE	OPM/LESIA	X
A. BAGLIN	OPM/LESIA	X
F. BAUDIN	IAS	X
P. BORDE	IAS	X
C. CATALA	OPM/LESIA	X
S. CHAINTREUIL	OPM/LESIA	X
M. DELEUIL	LAM	X
M. FRIDLUND	RSSD/Estec	X
R. GARRIDO	IAA/Spain	X
T. GUILLOT	OCA	X
A. HATZES	Tautenbourg	
E. JANOT-PACHECO	Sao Paulo University	X
L. JORDA	LAM	X
E. MICHEL	OPM/LESIA	X
C. MOUTOU	LAM	X
A. NOELS	IA Liege	X
M. OLLIVIER	IAS	X
H. RAUER	DLR Berlin	X
D.ROUAN	LESIA	X
I. ROXBURGH	QMW London	X
J. SCHNEIDER	OPM	X
G. VAUCLAIR	OMP	X
W. WEISS	IA Vienna	X
K. ZWINTZ	IA Vienna	X
O. LA MARLE	CNES, Paris	X
O. VANDERMARQ	CNES, Toulouse	X
C. IMAD	OPM/LESIA/secretariat	X

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b> <b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 3</b></p>
---	--	--

### Participants:

All members except C. Catala, G. Vauclair, C. Moutou, E. Janot-Pacheco

Invited: J. Renan de Medeiros

## 1 Recent results, Announcements, PR

### For the seismology programme, Eric M. presents

- A few numbers and statistics about the set of stars observed in the Seismo field hitherto.
- How these numbers relate with the main lines already proposed for the extension phase.
- A selection of studies being recently published or in prep.

The observation of 100 stars has been completed in the seismo field today.

A list of these targets, including some stellar parameters and complementary informations (who is in charge of the type 1 analysis, related publication...) is available on the SWG web page (<http://www.lesia.obspm.fr/~corotswg/>).

HR diagrams and Histograms of the different type of stars observed are also given. This document will be updated regularly.

EM stresses that these figures confirm a few points already mentioned like: only 2 Red Giants observed in Long Runs so far; Difficulty to have solar-like candidates in Long Runs; Difficulty to have ‘peculiar’ stars (Ap) observed; no O stars in Long Runs so far,

These points are consistent with the priorities proposed for the extension phase.

About to come:

-In hot stars: After the Beta Ceph HD180642, which was found to be a Chimera (Degroote et al. 2009 A&A and Belkacem et al. 2009 Science), another Beta Cep is about to make the stage. p and g-modes have been measured with CoRoT on this ~6Mo Main Seq star, and a (theoretically expected) regular spacing of g-modes has been observed for the first time. The departure from this regular spacing is interpreted as a signature of an extended core mixing (Degroote et al. Nature accepted...yesterday...)


-In solar-like pulsators: CoRoT already measured solar-like oscillations in several F stars hotter than the Sun: HD49933, HD181420, HD181906 (Appourchaux et al. 2008 A&A, Michel et al. 2008 Science, Barban et al. 2009 A&A, Garcia et al. 2009 A&A). We have now focussed on cooler stars, closer to the Sun in order to strengthen the link with the solar case.

Two G stars showing solar-like oscillations have been observed:

- HD49385, in which clear  $l=0,1,2$  ridges have been measured and  $l=3$  modes detected. The modes show the signature of the star being in a post-MS stage, burning hydrogen in shell (Deheuvels et al. A&A accepted).

- HD52265 a bright MS G star with a known orbiting planet. Here again, clear measurement of frequencies, amplitudes and lifetimes for  $l=0,1,2$  modes over ~14 radial orders (Ballot et al. A&A in prep.). The analysis of the oscillations brings an estimate of the inclination  $i$ , which in turn can provide an estimate of the planet mass  $M_p$  disentangled from the  $\sin i$  uncertainty (in the hypothesis that the planet orbit is near equatorial), (Gizon et al. Nature/Science, in prep.).

- HD43587 being observed now (LRa03), (the star for which the orbit drift had been

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b></p> <p><b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 4</b></p>
---	--	---

decided!): the data already obtained show a clear and promising oscillation spectrum.

**For the exoplanet team, Magali D.** presents the major conclusions of the last exo-Co\_I meeting (nov 5<sup>th</sup>):

- Efforts have to be made to speed up the publication process.

The paper on CoRoT-6 is accepted, the paper on CoRoT 8 is almost ready and the one on CoRoT\_9 is being send to Nature. 3 papers are in preparation.

- Non Co-I colleagues (specially young ones), called Associated Scientists in the CoRoT language, should be more often first authors of discovery papers

- The important of complete Run reports is recalled. 3 are currently in preparation: LRa01, SRc01 and LRc02.

- The five first authors rule is not so strict and the non-alphabetic list could be longer if needed. As a starting point it should include one person from the various teams that contribute to the planet characterisation. Courtesy and flexibility are encouraged

- Second generation papers should be put on CoRoT Pub for information

- Papers based on data acquired in external collaborations should include all CoRoT CO-Is + all CO-Is of the proposal(s).

- Some FU data have very specific data rights. They have to be used. (see § 3.4)

- A “flowchart towards planet announcement” is updated, to try to speed up the writing of the papers

- The transit modelling from which the planet’s parameters are derived is a critical issue: the “factory group” should be more active.

**For the Additional Programmes, Werner W.** says that the community is active in a wide variety of subjects. When checking COROT-Pub it is clear that quite a number of papers are submitted under "seismology" or "exoplanets" contrary to the definition of Additional Programs (= anything except of seismology with the seismology CCD and exoplanets with the exoplanet CCD). But it is much more important that papers are published and not if they are submitted in the correct category of CorotPub!


Besides of this remark, very promising research is going on in the fields of rotation and links to activity, surface spot modelling, eclipsing binaries, NGC 2264, hybrid pulsating stars and in particular on pulsating Red Giants (Nature paper!). It has to be kept in mind that the full scientific exploitation of the CoRoT data usually requires spectroscopy and this needs sometimes much time to organize the data and than to analyze them properly.

**Annie B.** recalls the story of the paper named “Pourquoi CoRoT n’a pas découvert 1000 planètes” published in Ciel et Espace.

We have send a text giving the point of view of the project, on the CoRoT which will be published in the next issue. A slightly different version has been send to l’Astronomie and will be published in January.

The lesson is that we have to be very careful when talking to journalists. We should not express our doubts our questioning...without reminding the positive aspects of the situation of this questioning!

Some members, non-specialists, ask for a short text to help answering questions like this one.

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b> <b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 5</b></p>
---	--	--

But this is not an easy task as it depends on the situation.

The web pages on « Scientific results » are under construction. First drafts have been prepared and will be soon available on the CNES site for comments and last modification before being open to the public (see SC34-DR1, p11).

## 2 Mission status

**Olivier V.** (see SC34-DR1) presents the activities of the ground segment during the last two months.

A larger number of antennas are becoming available, which will hopefully decrease the volume of data losses.

The drift will be stopped next April. OV asks the SC to express more precisely the accuracy at which the drift should be zeroed? What is the acceptable residual for the drift: 0.1°/year, 0.5°/year, 1°/year, ... in the same direction as the present one.

**Action SC 34-1:** Define the accuracy of the drift stop AB and the ABSC End of February

**Olivier LM** comments the recommendations of the Steering Committee meeting of October 23rd (see SC34-DR1, p.2). In short, the extension to 3 more years (till march 2013) is unanimously accepted. The Steering Committee recommends to adapt the composition of the Scientific Council and the list of CO-Is to the real activities during this exploitation phase. It also recommends to give the maximum visibility to the Additional Programmes.

## 3 Data

### 3.1 Treatment and Delivery where are we?

Sylviane C. presents the situation (SC34-DR2)

Informations on data deliveries are available on the CoRoT sol web page: <http://corotsol.obspm.fr/>

The process is now quite smooth except when some bugs are detected either in the TM or in the software. All the data of LRc03 (except those from imagerettes) have been delivered on November 18th (4.5 months after the end of the run).

The pipe-line of the Light curves from imagerettes in the exofield has been corrected by the Marseille group and is now implemented. Laurent Jorda confirms that Pierre-Yves Chabaud replaces Rafael Cautain at part time.

The pipeline of the Light curves from the imagerettes in the seismofield is in great progress but not yet completely ready.


New instrumental corrections such as the aging and the temperature will be implemented in the next version of the pipeline; it will lead to a new release of the data in 2010.

### 3.2 The mission archive: what's new ?

Frederic B. says that everything is working correctly.

Following an action from the last SC, warnings concerning the spectral classification and the periodic Variable classifier have been posted on the portal.

Concerning the Long Term archives IAS regularly sends the files describing new public data each time a set of data become public. These meta-files are used by LAEX (Spain) and

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b> <b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 6</b></p>
---	--	--

NStED (USA) to make the public data available through their own interface. CDS (France) waits, as a long-term archive, for the final version of the data to retrieve them and make them available through their own interface.

### 3.3 Review of CDC

Annie B. informs the SC that a final review of the CoRoT data Centre will be held in Paris on March 9th and 10<sup>th</sup>, 2010.

### 3.4 Data Policy and Data Rights

#### - Publications rules

They seem to be quite correctly followed. Often some debate is needed to reach a list of authors which satisfies everybody and is compliant with the rules...but it has always been found so far!

#### - Data rights for the FU Observations.

There has been some debate about the ownership of these data. MD recalls that these data belong to the PI of the corresponding proposals in agreement with the rules of the corresponding instrument.

Presently, the corresponding PIs are:

For HARPS: before 2009 M. Mayor, then F. Bouchy

For SOPHIE: C. Moutou

For Keck: M. Endl for the moment

#### - Rules for papers containing CoRoT data + FU.

As recommended by the journals. we are now merging CoRoT LC analysis and FU observations

The FU activities should be highly visible to be able to get observing time later. It is proposed to have as much as possible colleagues in charge of these programmes in the list of early authors (see §1). The document « Scientific policy and Data rights » (SPDRD) will be modified accordingly.

#### - Presence of Builders in the list of authors

Should it continue for ever? The question is raised, but not answered.

## 4 Meetings and workshops

The thematic workshops related to CoRoT, which are foreseen are:

#### - Seismology workshop, as discussed at the last SC

There is an HELAS meeting in Lanzarote first week of February, where most of the new CoRoT results will be presented.

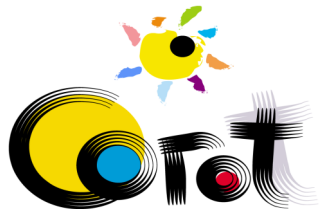
The need for a real meeting is not yet clear. Eric M. will consult the Seismo Co-Is by mail. A decision will be taken at the next SC.

#### - Transit meeting at OHP

23-27 August 2010. See <http://www.obs-hp.fr/ohp2010/>

Main topics of this colloquium include:

- Masses and radii of transiting planets

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b> <b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 7</b></p>
---	--	--

- Internal structure modelling
- Observed inclination and eccentricity of transiting systems
- Dynamics of systems, links from observations to theory
- Formation and migration scenarios
- Observations and modelling of transit timing variations
- Star-planet interactions in transiting systems: tides, irradiation
- Future observational projects

#### **- 4<sup>th</sup> CoRoT Brazil workshop**

As presented by Jose Renan, this workshop will be held in Natal in spring (probably April), taking into account the CoRoT satellite operations.

The programme will contain scientific sessions (mostly exoplanet and AcroCoRoT) and also probably technical sessions about the extension of the cooperation started on CoRoT to new projects. An announcement should be send quite soon.

#### **- Cospar meeting in Bremen August 2010**

There is a scientific event (E15) on Extrasolar Planets: Recent Results from Space Missions and Future Prospects, organised by H.R M.F and A.B. CoRoT and Kepler results will be evidently presented.

#### **- Second CoRoT Symposium in Marseille**

The Marseille team will prepare and present at the next CS a first for the organization. OV and OLM confirm that some support for this manifestation is included in the CNES budget of the extension.

**Action SC34-2:** identify the CNES point of contact for the organization and organize a telecon in order to initiate the work. O La Marle, asap

## **5 General programme of the next 3 years**

The first topic of the discussion is “ How does the success of KEPLER should influence the CoRoT strategy?”.

### **5.1 The exoplanet programme**

J Schneider (SC34-DR3) presents some ideas already discussed at the CEST meeting of November 4th.

The overall philosophy is: "Let's find niches were CoRoT could be better than Kepler".

These potential niches could be:

- more targets than Kepler since for 2007-2013 CoRoT could have up to ~250.000 targets (taking into account that there is now only 1 exoplanet CCD), depending on the number of short or "medium" runs (~80 days). The goal there is to improve the statistics.


- A larger time span if in 2012-2013 Corot comes back to 1 or 2 initial fields. This would give for the most promising cases time coverage of 6 years.

Indeed, for telemetry reasons Kepler cannot be extended beyond 5 years.

- We cannot beat Kepler in terms of smaller planets

AB remarks that we have already observed  $9 \times 11200 + 3 \times 5600 = 117\ 600$  if we



	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b> <b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 8</b></p>
---	--	--

include the short runs, and only 89 600 excluding the short runs, which is presently approximately the number Kepler is observing. For the extension, 4 runs per year have been proposed, e.g. 12 runs in total, corresponding to a maximum of 67 000 new targets.

So the total number of targets observed during long and middle size runs will reach **150 000 at most.**

## 5.2 The seismology programme

EM and AN stress that we have the possibility to perform seismology of brighter stars, which are better known. We also can observe types of stars that Kepler will not select, hot stars; clusters...there is already quite precise proposals for

- A new observation of NGC 2264 coordinated with SPITZER,
- Blue super giants and massive stars in general, clusters
- One or two cool solar like star, as long as possible.

## 5.3 Length of the runs

Studies are going on specially in Berlin to confirm that the optimum duration of a run for the exoplanet detection programme would be approximately 80 to 90 days (see SC34-DR4), as presented by MD on behalf of CM. But conclusions have to be confirmed. For some targets of the seismology programme, specially the solar like stars, the data already collected confirm the importance of runs as long as possible (more than 130 days!).

How to combine these two requirements?

\* Evidently it is possible to have a long sessions during one semestre and shorter ones during the next one, which means that only half of the duration will be optimized for a given programme.

\* Daniel R. proposes to think about a pointing using a slight rotation around the seismology field, which could protect at least some of the seismology targets for half a year, and be able to look at a nearby field with CCD E2.

This would mean a rotation in the middle of the run around CCD A2, so an interruption of approximately one week. This very appealing solution could be quite difficult to implement, as there will be many constraints, depending of the real field of bright and faint stars.

As there is some debate on the damage caused by this on the seismology data, it is decided that Eric M. will consult the seismology co-Is by mail to collect their advice.

**Action SC34-3:** consult the seismology co-Is by mail about the possible damages of this strategy: EM: next SC

At the next SC we need to obtain more precise information on the following topics:

- Confirmation of the optimum solution “length of the run/number of targets” for the exoplanet search

**Action SC34-4:** Update the conclusions of the Berlin report CM next SC

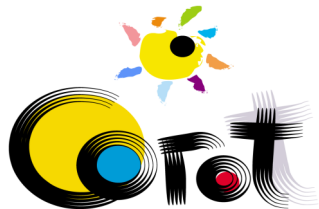
- More precise estimate of the optimum length of a run for a given type of seismology target (solar like, hot stars, classical variables, red giants....) and evaluation of the damages of an interruption for the seismology

**Action SC34-5:** Optimum duration for a given sismo target and damages EM next SC

- Examples of true solutions with real targets in the DR scenario....

**Action SC34-6:** examples of a DR scenario AB next SC



	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b> <b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 9</b></p>
---	--	--

## 6 Choice of the next fields and planning

### 6.1 SRa03, the last short run of the nominal programme

As already presented at the last SC, there are quite interesting Seismology targets in the field. OV stresses that if possible we should reduce the rotation angle as we are at the end of a semester.

**Action SC34-7:** define the best position for SRa03 MA, End of January

The CoRoTsky database contains only data of USNO for this field. Is it possible to have a better catalogue?

**Action SC34-8:** update, if possible the exo catalogue for the SRa03 field and send it to J. Cuvilo for implementation CM asap

### 6.2 LRc05 duration, approximate pointing.

EM recalls that the last run of the nominal programme called previously LRc03, which was centred on the seismology target HD 170580 has been postponed to include 2 intermediate runs in fields optimised for the exoplanet programme (LRc03 and LRc04).

This pointing, as proposed by Eric M. at SC 33rd, should be kept, but the duration can be discussed. So the previous LRc03 is now called LRc05.

The decision concerning the summer 2010 Observations is postponed to the next SC, after the general discussions about the extension programme.

## 7 General management

### 7.1 Modification of the planet teams

Pierre B. has resigned from his CS membership, his Exoplanet coordinator position, and as the detection team coordinator.

At SC33, it has been decided that as a member of the SC, Magali D. will replace Pierre, and Magali replaced by Claire M. as a coordinator of the GBO group.

But it is also necessary to nominate a new Detection Team coordinator. Pascal Bordé is unanimously elected.

A small coordination team composed of MDe, ABa, CMo is in charge of taking rapid decisions when required, and in a transparent way towards the CoI assembly

- to propose resolution of potential conflicts; to propose names for first authors when new planets are found

- to have an eye on the different activities and to ensure the communication within the team.

The purpose is to gain efficiency, not to bypass any council.

### 7.2 Modification of the composition of the SC

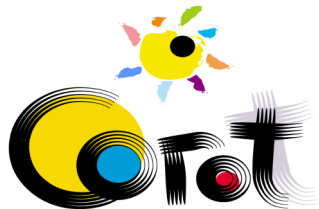
As it has been asked by the Steering Committee, a refurbishing of the SC is proposed.

After some discussions gathering the different proposals received by AB, three new members have been unanimously nominated:

- \* Pascal Bordé as the detection team coordinator (see 7.3).

- \* Artie Hatzes for its competence and of his excellent knowledge of the American community

- \* Konstanz Zwintz, as a young and active seismologist.

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b></p> <p><b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 10</b></p>
---	--	--

### 7.3 List of CO-Is

Arlette N., as the Belgium coordinator proposes to replace A. Thoul and B. Vandenbussche by Josefina Montalban et Joris de Ridder, so that the list of Belgium Co-Is is now

A. Noels, C. Aerts, M. Gillon, J. de Ridder, J. Montalban. Accepted.

\* Due to very important contribution of the Tel-Aviv team in the data analysis, Annie B. proposes to give the CO-I ship to Tsevi Mazeh. As he does not belong to a contributing country, this will be “by courtesy of the PI”. Accepted.

**Action SC34-9:** Send a message to all these persons, AB, asap

\* Gerard V. informs the SC that Philippe Mathias is now at LAT Toulouse and no more at OCA. Jerome Ballot is now at LAT and no more a CEA. See the updated list of Co-Is in §9.

### 7.4 Evolution of the teams

G. Alecian would like to include in his team Mrs Ghazaryan, from Byurakan, who is preparing a thesis under his supervision (joint supervision). Accepted.

### 7.5 Next SC meeting

Friday march 12<sup>th</sup> 2010

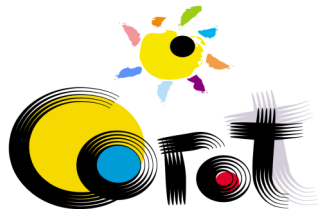
## 8 Actions

### 8.1 Actions still open

<b>SC28-4</b>	Document on corrections	SC, MA. AB	Dec 2008	
---------------	-------------------------	------------	----------	--


### 8.2 Actions from this SC

<b>SC34-1</b>	<b>Action SC 34-1:</b> Define the accuracy of the drift stop ABSC	ABSC	February 28th	
<b>SC34-2</b>	Identify the CNES point of contact and organize a telecon to initiate the work	OLM	asap	
<b>SC34-3</b>	Consult the seismology co-Is by mail about the possible damages of this strategy	EM	Next SC	
<b>SC34-4</b>	Update the conclusions of the Berlin report	CM	Next SC	
<b>SC34-5</b>	: Optimum duration of a run for a given sismo target and damages	EM	Next SC	
<b>SC34-6</b>	Examples of a DR scenario	AB	Next SC	
<b>SC34-7</b>	Define the best position for SRa03	MA	January 31	
<b>SC34-8</b>	: Update, if possible the exo catalogue for the SRa03 field and send it to J. Cuvalo for implementation	CM	asap	
<b>SC34-9</b>	Send a message to all these persons.	AB	asap	


	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b></p> <p><b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 11</b></p>
---	--	--

## 9 List of CO-Is and GIs

<i>Name</i>	<i>first name</i>	<i>Country/lab</i>	<i>Institution</i>	<i>activity</i>	<i>WG</i>
<b>RAUER</b>	<b>Heike</b>	<b>Germany</b>	DLR Berlin	GBO, planet statistics, atmospheres	E/ECO
<b>HATZES</b>	<b>Artie</b>	<b>Germany</b>	<b>Thueringer</b>	<b>GBO exo and sismo</b>	E/SGBO
PAETZOLD	Martin	Germany	Cologne	Exo atmospheres	E
WUCHTERL	Guenther	Germany	MPI	Planet formation, mass distribution	E
ERIKSON	Anders	Germany	DLR Berlin	GBO, dynamics, planet statistics	E/ECO
<b>FRIDLUND</b>	<b>Malcom</b>	<b>ESTEC</b>	<b>RSSD</b>	<b>Planets, ground obs, activity</b>	<b>E/A</b>
FAVATA	Fabio	ESTEC	RSSD	Young stars activity	A
FOING	Bernard	ESTEC	RSSD	Link to space missions, activity	A
GONDOIN	Philippe	ESTEC	RSSD	activity	E/A
<b>NOELS</b>	<b>Arllette</b>	<b>Belgium</b>	<b>Liège</b>	<b>Stellar evolution</b>	<b>S</b>
AERTS	Conny	Belgium	Leuven	Beta Ceph, SPB	S
de RIDDER	Joris	belgium	Leuven	Red Giants	S/AP
GILLON	Michael	Belgium	Liege	Spectroscopic analysis	E
MONTALBAN	Josefina	Belgium	Liege	stellar modeling	S
<b>GARRIDO</b>	<b>Rafael</b>	<b>Spain</b>	<b>IAA</b>	<b>GBO photometry</b>	<b>S</b>
RIBAS	Ignacio	Spain	U. Barcelona	Binaries Ecclipsing	AP
DEEG	Hans	Spain	IAC	Transit detection	E
ROCCA-CORTES	Theo	Spain	IAC	Data analysis and interpretation	S
SOLANO	Enrique	Spain	LAEFF	GB Data base	SGBO
<b>WEISS</b>	<b>Werner</b>	<b>Austria</b>	<b>Vienna</b>	<b>APWG +lambda Boo, Ro Ap</b>	<b>SAPGB</b>
HANDLER	Gerald	Austria	Vienna	Gam Dor	APS
DVORAK	Rudolf	Austria	Vienna	Exoplanet orbit analyses	E
LAMMER	Helmut	Austria	Graz	planetary atmospheres	E
<b>ZWINTZ</b>	<b>Konstanz</b>	<b>Austria</b>	<b>Vienna</b>	<b>PMS</b>	<b>S</b>
<b>ROXBURGH</b>	<b>Ian</b>	<b>ESA/UK</b>	<b>QMW London</b>	<b>Excitation and amplitudes</b>	<b>S</b>
AIGRAIN	Suzanne	ESA/UK		Activity modeling	AP
QUELOZ	Didier	ESA	Geneve	GB follow-up	EGBO
KJEIDSEN	Hans	Switzerland	Aarhus	TBC	SGBO
MONTEIRO	Mario	Danemark	Porto	Stellar modeling (TBC)	S
<b>JANOT-PACHECO</b>	<b>Eduardo</b>	<b>Brazil</b>	<b>U Sao-Paulo</b>	<b>Seismology Be stars</b>	<b>S</b>

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b></p> <p><b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 12</b></p>
---	--	--

ALENCAR	Sylvia	Brazil	U Belle Horizonte	PMS Stars, circumstellar discs	AP
FERRAZ-MELLO	Sylvio	Brazil	U Sao Paulo	Dynamics of planetary systems	E
MELLO	Gustavo	Brazil	O Vallongo, Rio	Gaints	AP
de MEDEIROS	José Renan	Brazil	U Rio Grande del Norte	Rotation	S/AP
PORETTI	Enio	Italy	Merate	Spectroscopy/delta scuti	SGBO
MAZEH	Tsevi	Israel	tel-Aviv	Data treatment	E
<b>MICHEL</b>	<b>Eric</b>	<b>France</b>	LESIA	SWG+delta scuti analysis	S
<b>CATALA</b>	<b>Claude</b>	<b>France</b>	LESIA	SGBOWG	SGBO
<b>ROUAN</b>	<b>Daniel</b>	<b>France</b>	LESIA	Onboard treatment	E
GOUPIL	Marie-Jo	France	LESIA	Moderate rotation	S
MOSSER	Benoit	France	LESIA	Solar planets	E/S
SAMADI	Reza	France	LESIA	Amplitudes	S
TIPHENE	Didier	France	LESIA	Instrument	Instr
BARBAN	Caroline	France	LESIA	Data analisis	S
<b>SCHNEIDER</b>	<b>Jean</b>	<b>France</b>	LUTH	Planets in multiple systems	E
<b>ALECIAN</b>	<b>Georges</b>	<b>France</b>	LUTH/GEPI	Chemically peculiar stars	S
HUBERT	Anne-Marie	France	GEPI	Be stars	AP/S
LEBRETON	Yveline	France	GEPI	Models	S
NEINER	Coralie	France	GEPI	Be stars	S/AP
LEGER	Alain	France	IAS	Earth like	E
BOUMIER	Patrick	France	IAS	Instrument	Inst
<b>BAUDIN</b>	<b>Frederic</b>	<b>France</b>	<b>IAS</b>	<b>Time frequency analysis</b>	<b>S</b>
<b>OLLIVIER</b>	<b>Marc</b>	<b>France</b>	<b>IAS</b>	<b>Instrument</b>	<b>E/Instr</b>
APPOURCHAUX	Thierry	France	IAS	data analysis	S
<b>BORDE</b>	<b>Pascal</b>	<b>France</b>	<b>IAS</b>	<b>data analysis</b>	<b>E</b>
<b>DELEUIL</b>	<b>Magali</b>	<b>France</b>	LAM	EGBO	EGBO
<b>JORDA</b>	<b>Laurent</b>	<b>France</b>	LAM	Data reduction	E
<b>MOUTOU</b>	<b>Claire</b>	<b>France</b>	<b>LAM</b>	<b>EGBOWG</b>	<b>EGBO</b>
LLEBARIA	Antoine	France	LAM	Masks in E field	E
BARGE	Pierre	France	LAM	EWG+Hot planet statistics	E
BOUCHY	François	France	OHP/IAP	Radial velocities	E
<b>VAUCLAIR</b>	<b>Gerard</b>	<b>France</b>	OMP/LAT	WD	S
TOUBLANC	Dominique	France	OMP/CESR	Catalogues	E
VAUCLAIR	Sylvie	France	OMP/LAT	Diffusion and mixing	S
RIEUTORD	Michel	France	OMP/LAT	Fast rotation	S
CHARPINET	Stephane	France	OMP/LAT	Corotsky	S
LIGNIERES	François	France	OMP/LAT	Rotating models	S+SGBO
BALLOT	Jerome	France	OMP/LAT	Data analysis/modeling	S
MATHIAS	Philippe	France	OMP/LAT	gamma dor	S

	<p>Title:</p> <p><b>Minutes of the 34th Scientific Committee</b></p> <p>Author: Annie BAGLIN</p>	<p>Reference:</p> <p><b>COROT.LESIA.10.001</b></p> <p><b>Version: 1</b></p> <p>Date: 8/01/2010</p> <p style="text-align: right;"><b>Page: 13</b></p>
---	--	--

<b>GUILLOT</b>	<b>Tristan</b>	<b>France</b>	<b>OCA</b>	<b>Hot Jupiters</b>	<b>E</b>
PROVOST	Janine	France	OCA	Direct seismic analysis	S
BERTHOMIEU	Gabrielle	France	OCA	Optimisation interpretation	S
TOUTAIN	Thierry	France	OCA	Data analysis	S
TURCK-CHIEZE	Sylvaine	France	Sap/CEA	Modeling, g modes	S
GARCIA	Rafael	France	Sap/CEA	Data analysis	S
<b>AUVERGNE</b>	<b>Michel</b>	<b>France</b>	LESIA	IS	Inst
<b>BAGLIN</b>	<b>Annie</b>	<b>France</b>	LESIA	PI	

## GIs

Vannier	Martin	<a href="mailto:mvannier@eso.org">mvannier@eso.org</a>
Gonzales	Walter	<a href="mailto:gonzales@dge.inpe.br">gonzales@dge.inpe.br</a>
Maceroni	Carla	maceroni@mporzio.astro.it
Surdej	Jean	surdej@astro.ucl.ac.be
Gizon	Laurent	gizon@linmp.mpg.de
Lanza	Antonio	nlanza@ct.astro.it
Valio	Adriana	<a href="mailto:avalio@gmail.com">avalio@gmail.com</a>
Kollath	Zoltan	<a href="mailto:kollath@konkoly.hu">kollath@konkoly.hu</a>
Chadid	merieme	<a href="mailto:chadid@unice.fr">chadid@unice.fr</a>
Ripepi	Vincenzo	nlanza@ct.astro.it