

4<sup>th</sup> April, 2013

**Professor A.J. Pitman**

Director

ARC Centre of Excellence for Climate  
System Science  
a.pitman@unsw.edu.au

Dr Rachel Law  
Centre for Australian Weather and Climate Research  
CSIRO Marine and Atmospheric Research  
PMB 1  
Aspendale  
Vic 3195

Dear Rachel,

Please find attached licence forms for CABLE2 for a suite of UNSW individuals. The first form is signed by me as ARC Centre Director. I can do this on behalf of ARC Centre people.

This form also covers a suite of others – and some details you might want are as follows

Name	NCI username	e-mail
Andrew Pitman	ajp561	a.pitman@unsw.edu.au
Jatin Kala	jtk561	jatin.kala.jk@gmail.com
Fubao Sun	fxs811	Fubao.Sun@anu.edu.au
Mark Decker	md561	m.decker@unsw.edu.au
Hamish Clarke	hxc561	Hamish.Clarke@environment.nsw.gov.au
Gab Abramowitz	gxa561	gabsun@gmail.com
Jean-Francois Exbrayat	jfe561	j.exbrayat@unsw.edu.au
Arnaud Lasgorceix	axl561	a.lasgorceix@student.unsw.edu.au
Annette Hirsh	azh561	a.hirsch@unsw.edu.au
<del>Balachandrudu Narapusetty</del>		<del>balachandrudu.narapusetty@nasa.gov</del>

There are a couple more to follow [Clare Carouge for example when she is back from maternity leave].

Thanks, and best wishes,



Professor A.J. Pitman  
Director of the ARC Centre of Excellence for Climate System Science

**Instructions for Completion:**

**Organisations** requesting a licence must complete Part 1.

**Users** from that organisation requiring access to the CABLE code repository need to individually complete Part 2.

**Individuals** can apply for their own licence by completing Part 2 only, provided that they can warrant the use of their Improvements as stated in clause 6.3 of the licence.

**Part 1 – Organisation to complete:**

Name of Licensee organisation: The ARC Centre of Excellence for Climate System Science

ABN:

Name of contact: \_Prof\_\_\_\_\_Andy\_\_\_\_\_Pitman\_\_\_\_\_  
(Title) (First name) (Last name)


E-mail: \_\_a.pitman@unsw.edu.au\_\_\_\_\_

Telephone number: \_\_\_\_\_

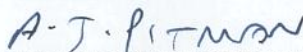
Postal Address for notices: ARC Centre of Excellence, Level 4, Mathews Building, University of New South Wales. Randwick, Sydney, NSW. \_\_\_\_\_

**By submitting this signed Form, the Licensee represents that:**


- i) it has read and accepted the current Software Licence Terms for CABLE located at <http://www.cawcr.gov.au/projects/access/cable/index.php> and
- ii) its Permitted Users are those users who have completed Part 2 of this Form and anyone else to whom the Licensee and/or the Licensee contact has granted CABLE access pursuant to the Software Licence Terms.

.....  


Signed by an authorised representative  
for the Licensee

.....  


Name and title

.....  


Witness

.....  


Name

.....  
10/4/13  
Date



**Part 2 – User to complete:**

Name of user: Mark Decker

Address: Climate Change Research Centre Level 4 Mathews Building University of New South Wales Sydney, Australia 2052

Email: m.decker@unsw.edu.au

Telephone number: 0401600022

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account):

Please select one of the following:

(a) I am requesting an individual CABLE licence

☒ (b) I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☐ Student

☒ Employee

☐ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor: Andy Pitman

Position in organisation: Director ARC Centre of Excellence for Climate System Science

Address: ARC Centre of Excellence, Level 4, Mathews Building, University of New South Wales. Randwick, Sydney, NSW.

Email: a.pitman@unsw.edu.au

Telephone number: 0293859766

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model?

Advisor

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

Coupling CABLE to both a groundwater and runoff models to explore runoff and groundwater interactions in the coupled LIS-WRF environment,

I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:

Signed:

*Mark Decker*

Date:

9/4/2013

**Part 2 – User to complete:**

Name of user: Fubao Sun

Address: Research School of Biology, The Australian National University. GPO Box 475,  
Canberra, ACT, 0200

Email: Fubao.Sun@gmail.com

Telephone number: 0261254822

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account):

Please select one of the following:

(a) ☐ I am requesting an individual CABLE licence

(b) ☒ I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☐ Student

☒ Employee ANU

☐ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor:

Position in organisation:

Address:

Email:

Telephone number:

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model?

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

**I am a research fellow in the CoECSS and interested in land surface model evaluations. I will also learn to use CABLE coupled with climate models.**

**I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:**

Signed:

*Fubao Sun*

Date:

*28/03/2013*

Send the completed registration form via email to [cable\\_help@nf.nci.org.au](mailto:cable_help@nf.nci.org.au)

**Part 2 – User to complete:**

Name of user: *Gab Abramowitz*

Address: *CCRC, UNSW*

Email: *gabriel@unsw.edu.au*

Telephone number: ~~02~~ *02 9385 2958*

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account):

Please select one of the following:

(a) ☐ I am requesting an individual CABLE licence

(b) ☒ I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☐ Student

☒ Employee

☐ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor:

Position in organisation:

Address:

Email:

Telephone number:

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model?

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

*CABLE committee  
PARS - related work.*

**I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:**

Signed:



Date:

*03/04/13.*

Send the completed registration form via email to [cable\\_help@nf.nci.org.au](mailto:cable_help@nf.nci.org.au)



**Part 2 – User to complete:**

Name of user: Hamish Clarke

Address: ARC Centre of Excellence, Level 4, Mathews Building, University of New South Wales.  
Randwick, Sydney, NSW

Email: h.clarke@student.unsw.edu.au

Telephone number: 0457 850 964

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account): hxc561

Please select one of the following:

(a) ☐ I am requesting an individual CABLE licence

(b) ☒ I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation: ARC Centre of Excellence

☒ Student

☐ Employee

☐ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor: Andy Pitman

Position in organisation: Director, ARC Centre of Excellence

Address: ARC Centre of Excellence, Level 4, Mathews Building, University of New South Wales.  
Randwick, Sydney, NSW

Email: a.pitman@unsw.edu.au

Telephone number: 9385 9766

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model? Supervisor

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

**I am simulating bush fire fuel load using CABLE. I plan on running multiple offline simulations to evaluate uncertainty, then run CABLE coupled with WRF to project changes in fuel load under climate change. The project is due for completion by late 2013 / early 2014**

**I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:**

Signed: H. Clarke

Date: 2/4/13

Send the completed registration form via email to [cable\\_help@nf.nci.org.au](mailto:cable_help@nf.nci.org.au)

**Part 2 – User to complete:**

Name of user: Jatin Kala

Address: Climate Change Research Center, Level 4, Matthews Building, UNSW, Kensington, 2033, NSW.

Email: Jatin.Kala.JK@gmail.com

Telephone number: +61421244087

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account): jtk561

Please select one of the following:

(a) ☐ I am requesting an individual CABLE licence

(b) ☒ I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☐ Student

☒ Employee

☐ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor:

Position in organisation:

Address:

Email:

Telephone number:

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model?

Fellow colleagues

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

CABLE model evaluation, offline and coupled to WRF. Using CABLE to investigate land-atmosphere interactions.

I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:

Signed:



Date:

02/04/2013

**Part 2 – User to complete:**

Name of user: Lasgorceix Arnaud

Address: 2/226 Coogee Bay Road, Coogee, NSW 2034

Email: a.lasgorceix@student.unsw.edu.au

Telephone number: 0405606816

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account):

Please select one of the following:

(a) I am requesting an individual CABLE licence

(b) I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☐ Student

☐ Employee

☒ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor: Andrew Pitman

Position in organisation: Director

Address: ARC Centre of Excellence for Climate System Science, The University of New South Wales, Sydney, NSW, 2052.

Email: [a.pitman@unsw.edu.au](mailto:a.pitman@unsw.edu.au)

Telephone number: +61-2-9385-7075

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model?

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

*Parametrisation of snow, simulation of albedo variation*

I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:

Signed:



Date:

*31/04/13*



**Part 2 – User to complete:**

Name of user: Jeff Exbrayat

Address: CCRC – Level 4, Mathews Building – UNSW Sydney NSW 2052

Email: j.exbrayat@unsw.edu.au

Telephone number: (02) 9385 8959

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account): jfe561

Please select one of the following:

(a) ☐ I am requesting an individual CABLE licence

(b) ☒ I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☐ Student

☒ Employee

☐ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor:

Position in organisation:

Address:

Email:

Telephone number:

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model?

I have been working with CABLE for 20 months now.

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

**I intend to work on soil respiration and nitrogen cycle with the CASA-CNP biogeochemical module of the CABLE model.**

**I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:**

Signed:



Date: 9 Apr 2013

Send the completed registration form via email to [cable\\_help@nf.nci.org.au](mailto:cable_help@nf.nci.org.au)

## Part 2 – User to complete:

Name of user: Annette Hirsch

Address: ARC Centre of Excellence, Level 4, Mathews Building, University of New South Wales.  
Randwick, Sydney, NSW

Email: a.hirsch@student.unsw.edu.au

Telephone number: 0424 994 368

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account):

Please select one of the following:

- (a) ☐ I am requesting an individual CABLE licence
- (b) ☒ I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☒ Student      ☐ Employee      ☐ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor: Prof Andy Pitman

Position in organisation: Director CoE

Address: ARC Centre of Excellence, Level 4, Mathews Building, University of New South Wales.  
Randwick, Sydney, NSW

Email: a.pitman@unsw.edu.au

Telephone number: (02) 9385 9766

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model?

From Vanessa Haverd at CMAR Black Mountain.

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

I am using CABLE with WRF-LIS to investigate the sensitivity of land-atmosphere coupling to LSM and WRF physics. The intended completion date for my PhD is early 2014. This year I plan to run GLACE1 type experiments to test the coupling sensitivity to soil moisture perturbations, PBL and cumulus schemes in WRF and CABLE physics. Publications of the results from these experiments are likely.

**I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:**

Signed:



Date: 8 April 2013

Send the completed registration form via email to [cable\\_help@nf.nci.org.au](mailto:cable_help@nf.nci.org.au)

**Part 2 – User to complete:**

Name of user: Balachandrudu Narapusetty

Address: 16034 Elegant Ct., Bowie, MD-20716

Email: [bala.narapusetty@gmail.com](mailto:bala.narapusetty@gmail.com)

Telephone number: 240-515-4723

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account):

Please select one of the following:

- (a) ☒ I am requesting an individual CABLE licence
- (b) ☐ I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☐ Student ☐ Employee ☒ Other (please state) Personal Scientific Interest

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor:

Position in organisation:

Address:

Email:

Telephone number:

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model? : Dr. Jatin Kala

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

- (1) Evaluate CABLE in the high-latitudes, with special focus on permafrost/active-layer regions during spring (melting) season.
- (2) Improve the numerics in CABLE to better represent soil temperatures and moistures invection- dominated regions.
- (3) Climate simulations with CABLE on extreme permafrost melting IPCC scenarios

I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:

Signed:



Date: 04/09/2013

Send the completed registration form via email to [cable\\_help@nf.nci.org.au](mailto:cable_help@nf.nci.org.au)



**Part 2 – User to complete:**

Name of user: Claire Carouge

Address: Bld 61, ANU, Acton, ACT 0200

Email: [claire.carouge@unsw.edu.au](mailto:claire.carouge@unsw.edu.au)

Telephone number: 02 6125 4517

(Please note that the above details may be posted on the **list of CABLE users** page and used by CSIRO in accordance with the [Software Licence Agreement](#).)

NCI login (if you already have a NCI user account): ccc561

Please select one of the following:

- (a) ☐ I am requesting an individual CABLE licence
- (b) ☒ I am requesting a User account under my Organisation's CABLE licence

If you have selected (b), please state which Organisation:

☐ Student                      ☒ Employee                      ☐ Other (please state)

If you are a student, please provide supervisor contact information (these would not appear in the **list of users** page). Your supervisor's signature is also required to indicate that they approve your registration.

Name of supervisor:

Position in organisation:

Address:

Email:

Telephone number:

Supervisor's signature:

Date:

\*\*\*\*\*

From where or whom did you hear about the CABLE model?

I have heard of CABLE by my team leader at the University of New South Wales.

Please provide a short description of your intended use of CABLE and anticipated intended research results (including proposed publication time frames, if any).

I intend to use CABLE coupled to the LIS and WRF models. I will maintain the coupled model, update the CABLE version to the latest official release, help to implement new developments (if any).

**I have read and will comply with the [Software Licence Agreement](#) and the Guidelines for users and developers of CABLE:**

Signed: Claire Carouge

Date: 11/04/2013