

Inca et SVN

IncaHowTo
28 janvier 2016

Subversion (SVN) - a version control software

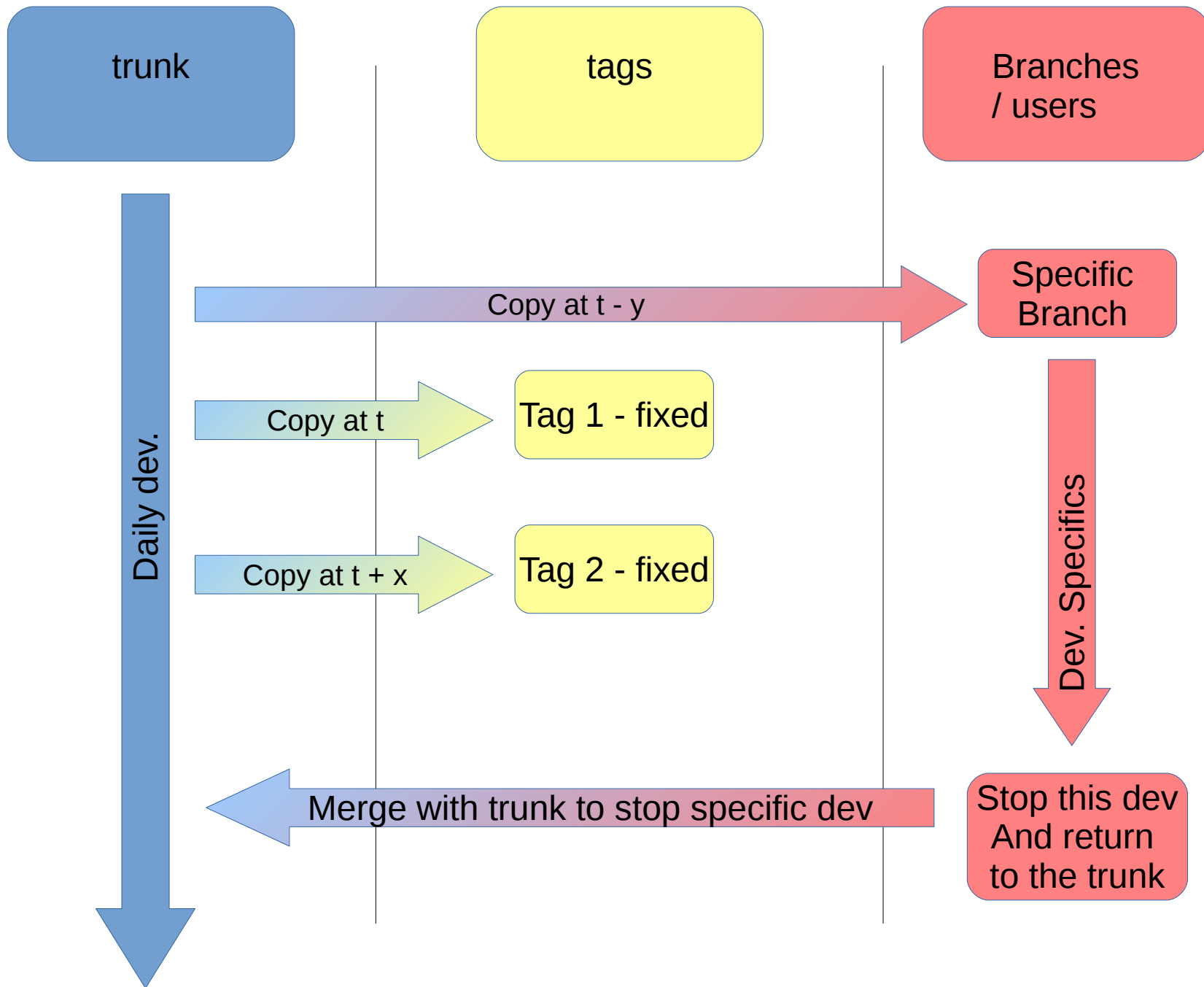
- Keep track of changes done over the time
- Backup and store all previous versions
- Diffusion of public versions of INCA (“tags and trunk”)

- Centralize all existing developments done in INCA
- Makes it easier to work in a group on the same version and exchange developments (“branches”) before inclusion in the main version
- Archive the work done by phd-students, post-doc, researchers,.. (stored in “users” folder)

Different versions of INCA on SVN

Base repository(depot) <svn://forge.ipsl.jussieu.fr/inca>

- trunk Standard version. Regularly updates with bug corrections and new developments
To be used with precaution. Not fully validated.
<https://forge.ipsl.jussieu.fr/inca/browser/trunk>
- tag A copy of the trunk for a specific revision.
Validation done. Latest tag INCA5.1.2
<https://forge.ipsl.jussieu.fr/inca/browser/tags>
- branches Modifications for a specific development.
A branch should start from a copy of the trunk
- users Folder for personal versions.
Ask for help to initialize your folder.
Ask for a login on forge



Basic use of SVN

svn co repository : Extract a directory and it's sub-directories.
Add « -r rev » for a specific revision.

Example : Extract latest revision of tag INCA5.1.2 :

```
> svn co svn://forge.ipsl.jussieu.fr/inca/svn/tags/INCA5.1.2 MyINCA
```

Example : Extract revision 485 of trunk :

```
> svn co -r 485 svn://forge.ipsl.jussieu.fr/inca/svn/trunk/INCA5  
MyINCA
```

Note : The script « model » in modipsl extracts INCA, LMDZ and ORCHIDEE and all tools needed for a specific configuration. Example :

```
> svn co http://forge.ipsl.jussieu.fr/igcmg/svn/modipsl/trunk modipsl  
> cd modipsl/util  
> ./model LMDZORINCA_v6
```

The model will now be installed in modipsl/modeles/INCA.

Basic use of SVN

svn info : Information will be printed on the screen about extracted version

Example :

```
> cd modips1/modeles/INCA
> svn info
Path: .
URL: http://forge.ipsl.jussieu.fr/inca/svn/tags/INCA5.1.2
Repository Root: http://forge.ipsl.jussieu.fr/inca/svn
Repository UUID: dc8988e9-b232-0410-ba9d-85c4b96cce30
Revision: 487
Node Kind: directory
Schedule: normal
Last Changed Author: acosce
Last Changed Rev: 480
Last Changed Date: 2016-01-07 11:03:01 +0100 (Thu, 07 Jan 2016)
```

In this example the version of INCA is tags/INCA5.1.2 and the revision is 487. You can also see that no changes for this subdirectory are done since revision 480 which is the latest modified revision.

Basic use of SVN

svn stat / svn status : To know which files have been modified compared to extracted version

```
> svn stat
?      arch.fcm
?      config
?      arch.path
M      src/INCA_SRC/mkdvel.F90
M      src/INCA_SRC/ub_inti.F90
M      src/INCA_SRC/mksflx.F90
M      src/INCA_SRC/adjh2o.F90
```

```
> svn help stat
'A' Added
'C' Conflicted
'D' Deleted
'M' Modified
'?' item is not under version control
'!' item is missing
* a newer revision exists on the server
```

svn -u stat : Compared to latest version on the server

```
> svn -u status
Password:
?      INP/inca_NMHC_AER.inp
*      INP/inca_DUSS.def
?      INP/inca_AER.inp
*      486 INP
M      *      486 src/INCA_MOD/pht_tables_mod.F90
*      486 src/INCA_MOD/aerosol_mod.F90
!      486 src/INCA_MOD/surf_data_mod.F90
```

Basic use of SVN

svn diff : Show difference compare to extracted version

Example :

```
> svn diff src/INCA_MOD/chem_mod.F90
```

```
Index: src/INCA_MOD/chem_mod.F90
```

```
=====
=
--- src/INCA_MOD/chem_mod.F90 (revision 486)
+++ src/INCA_MOD/chem_mod.F90 (working copy)
@@ -98,7 +98,7 @@
     REAL, SAVE, ALLOCATABLE                :: nas(:, :, :)    ! non-advected
species( mmr )
# else
    REAL, SAVE                :: nadv_mass(no_size)
-   REAL, SAVE                :: nas(1)                      ! place holder
+   REAL, SAVE                :: nas(no_size)                ! place holder
# endif
!$OMP THREADPRIVATE(nadv_mass)
!$OMP THREADPRIVATE(nas)
```

Lines starting with “+” are added in the local version (also called working copy).

Lines starting with “-” are removed.

Basic use of SVN

svn update : Update working copy with the latest revision on the server

Updates only with changes on the same branch (the directory and it's sub-directories)

Local changes will be kept. Conflicts can occur if the same file is modified locally and on the server

Changes are done only in the local working directory

Example :

If you extracted a tag or a branch, changes done on the trunk will not be added in your directory.

If there is a conflict on a file, type p for postpone. svn will then save your modifications in a separate file. The file without modifications is also saved in your directory.

Commit to svn

Extract in admin mode :

```
> svn co
```

```
svn+ssh://login@forge.ipsl.jussieu.fr/ipsl/forge/projets/inca/svn/  
trunk/INCA5
```

- | | |
|----------------------------|---|
| svn add newfile.f90 | Put files and/or directories under version control.
They will be added in next commit |
| svn rm file.f90 | The file will be removed locally and the file is
scheduled to be removed from the svn repository in
next commit. |
| svn commit / svn ci | Commit all changes in the directory to the server
The revision number is increased. This command
should be done from directory INCA |

Best practice for commit

- Add a log message to each commit
- Do whole INCA source directory in each commit, avoid to commit file by file
- If you are several to work on a branch, discuss with the other people before commit
- make all test before to commit, and work with the last revision version.

Inca - Mozilla Firefox


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Inca

forge.ipsl.jussieu.fr/inca/wiki

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wiki: WikiStart

Start Page Index History

Welcome to INCA Wiki page

(Auteur : Anne Cozic)

Official site for inca ⇒ <http://www-lsceinca.cea.fr>

Premiers pas avec modipsl : ⇒ [Installation de modipsl](#)

Note technique sur INCA

- [accéder à la page](#)
- [FAQ](#)

Note technique sur INCA
Les configurations utilisant le modèle INCA
Configurations de développement
Quelques notes sur LMDZ
INCA HowTo
En plus

Les configurations utilisant le modèle INCA

- ⇒ [LMDZORINCA](#)
- [IPSLCM5CHT](#)

Configurations de développement

- [Version traceurs inertes - Helium](#)
- [Version bcov](#)
- [Vers LMDZORINCA_v6](#)

Quelques notes sur LMDZ

- ⇒ [Détails sur les options de lmdz.card](#)
- ⇒ [Changer le schéma de convection](#)
- ⇒ [Création des fichiers aux limites](#)

INCA HowTo

Pour retrouver toutes les infos sur les réunions **INCA HowTo** c'est [ici](#)

En plus

- [création d'un atlas](#)
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- ⇒ [Projet IGCMG](#)

⇒ [Tags/Trunks/Branches of all IPSL Models via SVN web Interface](#)

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https://forge.ipsl.jussieu.fr/inca/wiki

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Menu technical_meeting_20... Inca - Mozilla Firefox svn10min_Ghattas_20... p24cozic@curie71:IN... Mercredi 27 janvier, 12:08

Firefox browser window showing the Inca repository page. The page title is "/ - Inca - Mozilla Firefox". The address bar shows "https://forge.ipsl.jussieu.fr/inca/browser". The page content includes the Inca logo, a search bar, and navigation links like "Wiki", "Timeline", "Roadmap", "Browse Source", "View Tickets", "New Ticket", and "Search". A table lists repository items with columns: Name, Size, Rev, Age, Author, and Last Change. The "Name" column is circled in red, highlighting "branches", "tags", "trunk", and "users". Below the table is a "View changes..." button. The footer shows "Powered by Trac 1.0.1 By Edgewall Software." and a note about using TracBrowser for help.

Firefox browser window showing the Inca repository page. The page title is "/ - Inca - Mozilla Firefox". The address bar shows "https://forge.ipsl.jussieu.fr/inca/browser". The page content includes the Inca logo, a search bar, and navigation links like "Wiki", "Timeline", "Roadmap", "Browse Source", "View Tickets", "New Ticket", and "Search". A table lists repository items with columns: Name, Size, Rev, Age, Author, and Last Change. The "Name" column is circled in red, highlighting "branches", "tags", "trunk", and "users". Below the table is a "View changes..." button. The footer shows "Powered by Trac 1.0.1 By Edgewall Software." and a note about using TracBrowser for help.

Name	Size	Rev	Age	Author	Last Change
branches		430	7 months	acosce	oubl de def cpp pour une compilation en AER
tags		500	12 days	acosce	change name of inca output files (without xios in the name)
trunk		504	2 days	acosce	mise a jour des variables sorties en fonction de la configuration utilisee
users		477	5 months	acosce	import des experiences de Richard


INCA_SRC in trunk/INCA5/src – Inca – Mozilla Firefox

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INCA_SRC in trunk/I...

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Last ChangeRevision Log

source:trunk/INCA5/src/INCA_SRC

Visit:View revision:View diff against:

Name	Size	Rev	Age	Author	Last Change
../					
ac_sulf.F90	5.1 KB	336	16 months	acosce	Nouvelle version du modele inca incluant pour la chimie les nitrates A ...
adjh2o.F90	4.3 KB	488	3 weeks	acosce	Menage dans le code pour supprimer definitivement la clef cpp CH4 et des ...
aerosol_ini.F90	5.2 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
aerosol_meteo_calc.F90	21.2 KB	488	3 weeks	acosce	Menage dans le code pour supprimer definitivement la clef cpp CH4 et des ...
aerosol_mode_properties.F90	5.6 KB	336	16 months	acosce	Nouvelle version du modele inca incluant pour la chimie les nitrates A ...
aerosolmain.F90	8.2 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
airpl_src.F90	6.3 KB	488	3 weeks	acosce	Menage dans le code pour supprimer definitivement la clef cpp CH4 et des ...
bcpomsource.F90	5.8 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
bl_for_dms.F90	5.6 KB	336	16 months	acosce	Nouvelle version du modele inca incluant pour la chimie les nitrates A ...
calendar.F90	23.3 KB	336	16 months	acosce	Nouvelle version du modele inca incluant pour la chimie les nitrates A ...
ccnaer.F90	5.5 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
chem_hook.F90	13.8 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
chem_intl.F90	8.6 KB	403	8 months	acosce	Mise a jour des barrieres omp et des appels a xios pour corriger un bug ...
chem_time.F90	5.1 KB	403	8 months	acosce	Mise a jour des barrieres omp et des appels a xios pour corriger un bug ...
chemini.F90	11.6 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
chemmain.F90	23.6 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
chimleaq.F90	11.6 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
cloud_mod.F90	7.6 KB	336	16 months	acosce	Nouvelle version du modele inca incluant pour la chimie les nitrates A ...
conf_chem.F90	5.3 KB	408	8 months	acosce	Mise a jour des noms de parametres pour les vents a 10m
diag.F90	6.1 KB	489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
diurnal_geom.F90	6.9 KB	336	16 months	acosce	Nouvelle version du modele inca incluant pour la chimie les nitrates A ...
drydep.F90	5.1 KB	385	12 months	acosce	Commit pour pouvoir compiler et tourner en NMHC seul
dustecmwf.F90	5.6 KB	336	16 months	acosce	Nouvelle version du modele inca incluant pour la chimie les nitrates A ...
dustsource.F90	15.7 KB	408	8 months	acosce	Mise a jour des noms de parametres pour les vents a 10m
dvel_intl.F90	8.8 KB	488	3 weeks	acosce	Menage dans le code pour supprimer definitivement la clef cpp CH4 et des ...
	9.6 KB	488	3 weeks	acosce	Menage dans le code pour supprimer definitivement la clef cpp CH4 et des ...

https://forge.ipsl.jussieu.fr/inca/timeline?from=2014-09-19T14:43:15+02:00&precision=second

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1120Mercredi 27 janvier, 12:09

trunk/INCA5/src/INCA_SRC/chemini.F90 (log) — Inca — Mozilla Firefox


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trunk/INCA5/src/INC... x

https://forge.ipsl.jussieu.fr/inca/log/trunk/INCA5/src/INCA_SRC/chemini.F90?rev=504

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View Latest Revision

source:trunk/INCA5/src/INCA_SRC/chemini.F90

AddedModifiedCopied or renamed

View changes

Revision Log Mode:

- Stop on copy
- Follow copies
- Show only adds and deletes

View log starting at504and back to

Show at most100revisions per page.

Show full log messages

Update

Diff	Rev	Age	Author	Log Message
	@489	2 weeks	acosce	Modification pour la creation d'une nouvelle configuration DUSS = DUST + ...
	@488	3 weeks	acosce	Menage dans le code pour supprimer definitivement la clef cpp CH4 et des ...
	@484	2 months	acosce	remplace DUSS par DUST et SS / CNO3 par DNO3 et SNO3 ajoute une dimension ...
	@403	8 months	acosce	Mise a jour des barrieres omp et des appels a xios pour corriger un bug ...
	@387	12 months	acosce	Modif pour corriger le bug sur time_counter dans les sorties netcdf
	@379	12 months	acosce	Add a routine print_err to replace stop by message Add an argument to ...
	@378	12 months	acosce	Add two flag to manage output in inca : xios_inca_ok and lolpsl_inca_ok ...
	@377	13 months	acosce	modification du code pour que la version "aerosols only" puisse tourner ...
	@373	14 months	acosce	Merge avec INCA_XIOS rev 348 to 365
	@344	16 months	acosce	mise a jour pour la parallelisation openmp
	@336	16 months	acosce	Nouvelle version du modele inca incluant pour la chimie les nitrates A ...

View changes

Note: See [TracRevisionLog](#) for help on using the revision log.

Download in other formats:

RSS FeedChangeLog

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Menu

technical_meeting_20...trunk/INCA5/src/INCA...svn10min_Ghattas_20...p24cozic@curie71:IN...

1 12:09

☐ Unmodified
 ☒ Added
 ☐ Removed

Tabular | Unified

r387	r489	
80	80	USE CHEM CONS
81	81	USE CHEM TRACNM
82		USE TIMING
83	82	USE INCA_DIM
84	83	use param chem, only : ioips\inca.ok

141	140	REAL :: ini_heure
-----	-----	-------------------

143		timertot = TSECND()
144	142	!
145	143	! Initialisation de xios
146	144	!

147	!\$OMP BARRIER
-----	----------------

148		
149		
150		
151	145	call conf_chem()

152	146	

165	159	
166	160	#endif

167	!\$OMP BARRIER
-----	----------------

168	161	
169	162	!.....

225	218	!
-----	-----	---

226	219	!DH call DIAGS INTI(solsym)
-----	-----	-------------------------------

```
220 #ifndef DUSS
```

227	221	# if CLSCNT4 != 0

228	222	!-----
***	***	

231	225	call IMP_SLV_INTI()
-----	-----	---------------------

232	226	# endif
233		

233		
	227	#endif

234	228	unit = NAVU()
-----	-----	---------------

235	229
-----	-----

257	251	! ... Read time-dependent surface flux dataset
-----	-----	--

258	252	!-----
-----	-----	--------

	253	#ifndef DUSS
--	-----	--------------

259	254	CALL SFLX_INTI ('sflx.nc')
260	255	endif

260	255	#1fdef GES

264	259	CALL NPP_INTI ('npp.nc')
-----	-----	----------------------------

265	260	
	261	#endif

ccnaer.F90 in trunk/INCA5/src/INCA_SRC – Inca – Mozilla Firefox

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ccnaer.F90 in trunk/I...chemini.F90 in trunk/I...https://forge.ipsl.jussieu.fr/inca/browser/trunk/INCA5/src/INCA_SRC/ccnaer.F90?rev=489Rechercher

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INCA

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← Previous RevisionLatest RevisionNext RevisionBlameRevision Log

source:trunk/INCA5/src/INCA_SRC/ccnaer.F90@489

Visit:View revision: 489View diff against:

Last change on this file since 489 was 489, checked in by acosce, 2 weeks ago
Modification pour la creation d'une nouvelle configuration DUSS = DUST + SS
(clefs CPP actives : DUSS + AER + AERONLY)
File size: 5.5 KB

Line	
1	! \$Id: ccnaer.F90 147 2009-11-20 13:29:01Z acosce \$
2	!! =====
3	!! INCA - Interaction with Chemistry and Aerosols
4	!!
5	!! Copyright Laboratoire des Sciences du Climat et de l'Environnement (LSCE)
6	!! Unite mixte CEA-CNRS-UVSQ
7	!!
8	!! Contributors to this INCA subroutine:
9	!!
10	!! Michael Schulz, LSCE, Michael.Schulz@cea.fr
11	!! Anne Cozic, LSCE, anne.cozic@lsce.ipsl.fr
12	!!
13	!! This software is a computer program whose purpose is to simulate the
14	!! atmospheric gas phase and aerosol composition. The model is designed to be
15	!! used within a transport model or a general circulation model. This version
16	!! of INCA was designed to be coupled to the LMDz GCM. LMDz-INCA accounts
17	!! for emissions, transport (resolved and sub-grid scale), photochemical
18	!! transformations, and scavenging (dry deposition and washout) of chemical
19	!! species and aerosols interactively in the GCM. Several versions of the INCA
20	!! model are currently used depending on the envisaged applications with the
21	!! chemistry-climate model.
22	!!
23	!! This software is governed by the CeCILL license under French law and
24	!! abiding by the rules of distribution of free software. You can use,
25	!! modify and/ or redistribute the software under the terms of the CeCILL
26	!! license as circulated by CEA, CNRS and INRIA at the following URL
27	!! "http://www.cecill.info".
28	!!
29	!! As a counterpart to the access to the source code and rights to copy,
30	!! modify and redistribute granted by the license, users are provided only
31	!! with a limited warranty and the software's author, the holder of the
32	!! economic rights, and the successive licensors have only limited
33	!! liability.
34	!!

Menutechnical_meeting_20...ccnaer.F90 in trunk/IN...svn10min_Ghattas_20...p24cozic@curie71:IN...Mercredi 27 janvier, 12:11

ccnaer.F90 in trunk/INCA5/src/INCA_SRC - Inca - Mozilla Firefox

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ccnaer.F90 in trunk/... chemini.F90 in trunk/...

https://forge.ipsl.jussieu.fr/inca/browser/trunk/INCA5/src/INCA_SRC/ccnaer.F90?annotate=blame&rev=489

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```
86
87 IMPLICIT NONE
88
89 REAL, INTENT(in) :: tr_seri(PLON,PLEV,PCNST)
90 REAL, INTENT(in) :: area(PLON)
91 REAL, INTENT(out) :: ccm(PLON,PLEV,2)
92 !raf
93 REAL, INTENT(in) :: pdel(PLON,PLEV) !delta press across midpoints
94 REAL :: epais
95
96 INTEGER :: i, k, m
97
98 DO i=1,PLON
99   DO k=1,PLEV
100     ! total CCN aerosol mass
101     #ifndef DUS
102       ccm(i,k,1)=tr_seri(i,k,id_ASS04M)+&
103         tr_seri(i,k,id_ASBCM)+&
104         tr_seri(i,k,id_AIBCM)+&
105         tr_seri(i,k,id_ASP0MM)+&
106         tr_seri(i,k,id_AIP0MM)+&
107         tr_seri(i,k,id_ASSSM)
108     #else
109       ccm(i,k,1)=tr_seri(i,k,id_ASSSM)
110     #endif
111   #endif
112   ! natural CCN aerosol mass
113   #ifndef DUS
114     ccm(i,k,2)=tr_seri(i,k,id_ASS04M)*fractnat_allaer(i,id_ASS04M)+ &
115       tr_seri(i,k,id_ASBCM)*fractnat_allaer(i,id_ASBCM)+ &
116       tr_seri(i,k,id_AIBCM)*fractnat_allaer(i,id_AIBCM)+ &
117       tr_seri(i,k,id_ASP0MM)*fractnat_allaer(i,id_ASP0MM)+ &
118       tr_seri(i,k,id_AIP0MM)*fractnat_allaer(i,id_AIP0MM)+ &
119       tr_seri(i,k,id_ASSSM)*fractnat_allaer(i,id_ASSSM)
120   #else
121     ccm(i,k,2)=tr_seri(i,k,id_ASSSM)*fractnat_allaer(i,id_ASSSM)
122   #endif
123   ENDDO
124 ENDDO
125
126
127 !
128 ! We need to convert ccm from Mass mixing ratios to ug/m3
129 !
130 ccm(:,1,1) = ccm(:,1,1) * airm(:,1) !kg tracer
131 ccm(:,1,2) = ccm(:,1,2) * airm(:,1) !kg tracer
132
133 DO k=1,PLEV
134   ccm(:,k,1) = (ccm(:,k,1)*1.e9) / (area(:)*zheight(:,k)) !ug/m3
135   ccm(:,k,2) = (ccm(:,k,2)*1.e9) / (area(:)*zheight(:,k)) !ug/m3
136 ENDDO
137
138 DO i=1,PLON
139   colmass_solu_aero(i)=0.
```

Menu technical_meeting_20... ccnaer.F90 in trunk/IN... svn10min_Ghattas_20... p24cozic@curie71:IN... Mercredi 27 janvier, 12:12

ccnaer.F90 in trunk/INCA5/src/INCA_SRC - Inca - Mozilla Firefox

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ccnaer.F90 in trunk/...

chemini.F90 in trunk/...

https://forge.ipsl.jussieu.fr/inca/browser/trunk/INCA5/src/INCA_SRC/ccnaer.F90?annotate=blame&rev=489

Rechercher

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Intranet LSCE

Le Laboratoire des Scie...

```

86
87
88
89 REAL, INTENT(in) :: tr_seri(PLOn,PLeV,PCNST)
90 REAL, INTENT(in) :: area(PLOn)
91 REAL, INTENT(out) :: ccm(PLOn,PLeV,2)
92 !raf
93 REAL, INTENT(in) :: pdel(PLOn,PLeV) !delta press across midpoints
94 REAL :: epais
95
96 INTEGER :: i, k, m
97
98 DO i=1,PLOn
99 DO k=1,PLeV
100 ! total CCN aerosol mass
[489] 101 #ifndef DUSS
[336] 102 ccm(i,k,1)=tr_seri(i,k,id_ASS04M)+&
103 tr_seri(i,k,id_ASBCM)+&
104 tr_seri(i,k,id_AIBCM)+&
105 tr_seri(i,k,id_ASP0MM)+&
106 tr_seri(i,k,id_AIP0MM)+&
107 tr_seri(i,k,id_ASSSM)
[489] 108 #else
109 ccm(i,k,1)=tr_seri(i,k,id_ASSSM)
110 #endif
[336] 111
112 ! natural CCN aerosol mass
[489] 113 #ifndef DUSS
[336] 114 ccm(i,k,2)=tr_seri(i,k,id_ASS04M)*fractnat_allaer(i,id_ASS04M)+ &
115 tr_seri(i,k,id_ASBCM)*fractnat_allaer(i,id_ASBCM)+ &
116 tr_seri(i,k,id_AIBCM)*fractnat_allaer(i,id_AIBCM)+ &
117 tr_seri(i,k,id_ASP0MM)*fractnat_allaer(i,id_ASP0MM)+ &
118 tr_seri(i,k,id_AIP0MM)*fractnat_allaer(i,id_AIP0MM)+ &
119 tr_seri(i,k,id_ASSSM)*fractnat_allaer(i,id_ASSSM)
[489] 120 #else
121 ccm(i,k,2)=tr_seri(i,k,id_ASSSM)*fractnat_allaer(i,id_ASSSM)
122 #endif
[336] 123 ENDDO
124 ENDDO
125
126
127 !
128 ! We need to convert ccm from Mass mixing ratios to ug/m3
129 !
130 ccm(:, :, 1) = ccm(:, :, 1) * airm(:, :) !kg tracer
131 ccm(:, :, 2) = ccm(:, :, 2) * airm(:, :) !kg tracer
132
133 DO k=1,PLeV
134 ccm(:, k, 1) = (ccm(:, k, 1)*1.e9) / (area(:)*zheight(:, k)) !ug/m3
135 ccm(:, k, 2) = (ccm(:, k, 2)*1.e9) / (area(:)*zheight(:, k)) !ug/m3
136 ENDDO
137
138 DO i=1,PLOn
139 colmass_solu_aero(i)=0.

```

Changeset 489

Close

Timestamp: 01/12/16 14:23:37 (2 weeks ago)

Author: acosce

Message: Modification pour la creation d'une nouvelle configuration DUSS = DUST + SS
(clefs CPP actives : DUSS + AER + AERONLY)

Location: trunk/INCA5/src

Files:

26 edited

INCA_MOD/aerosol_mod.F90 (view diffs)

INCA_MOD/drydep_parameters_mod.F90 (view diffs)

INCA_MOD/obs_profile_mod.F90 (view diffs)

INCA_SRC/aerosol_ini.F90 (view diffs)

INCA_SRC/aerosolmain.F90 (view diffs)

INCA_SRC/bcpomsource.F90 (view diffs)

INCA_SRC/ccnaer.F90 (3 diffs)

INCA_SRC/chem_hook.F90 (view diffs)

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INCA_SRC/diag.F90 (view diffs)

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INCA_SRC/humgrowth.F90 (view diffs)

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INCA_SRC/ini_diagnostics.F90 (view diffs)

INCA_SRC/mkdvel.F90 (view diffs)

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Mercredi 27 janvier, 12:12