CHFP -The **C**limate-system **H**istorical **F**orecast **P**roject-archive at CIMA

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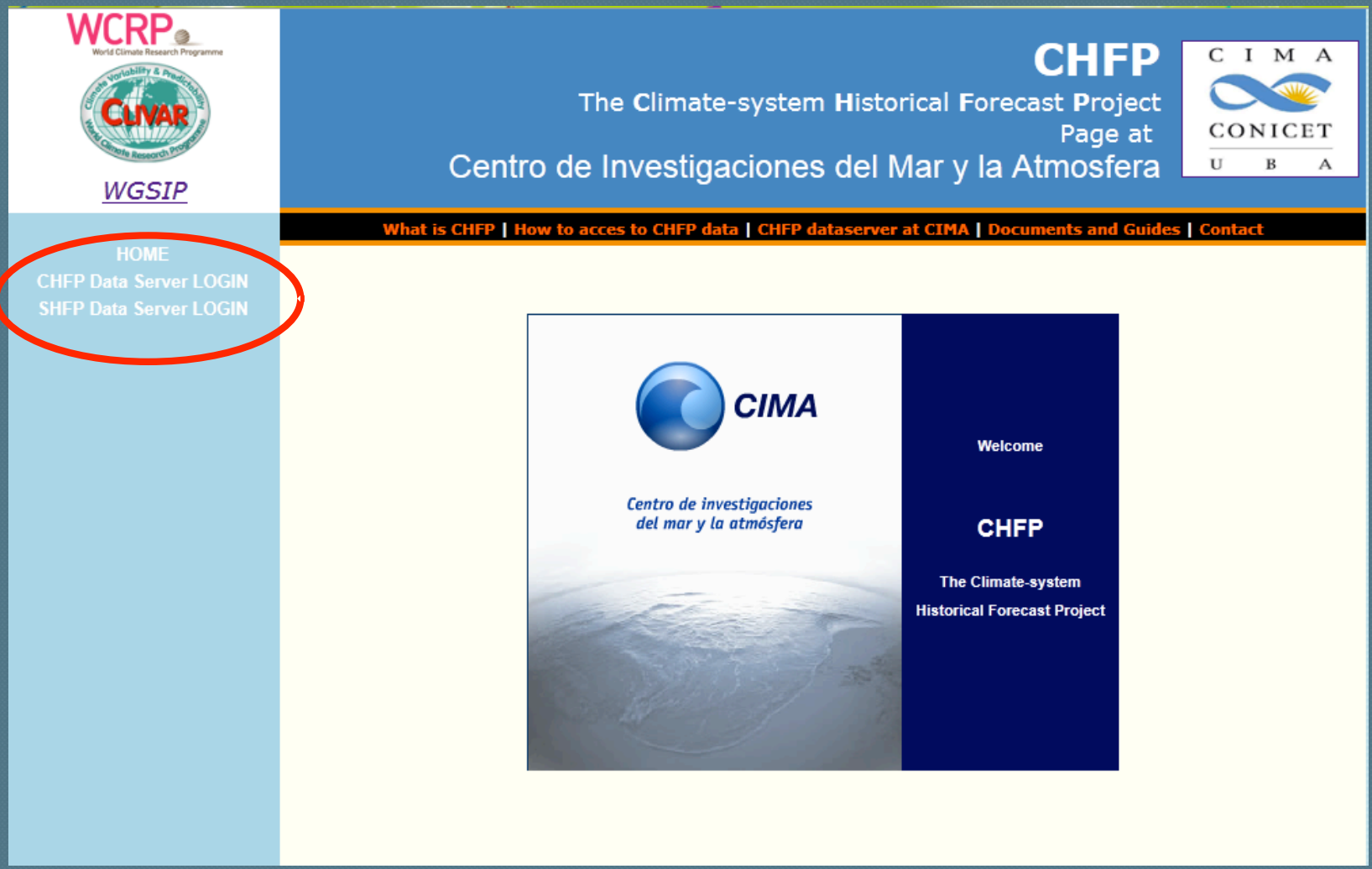
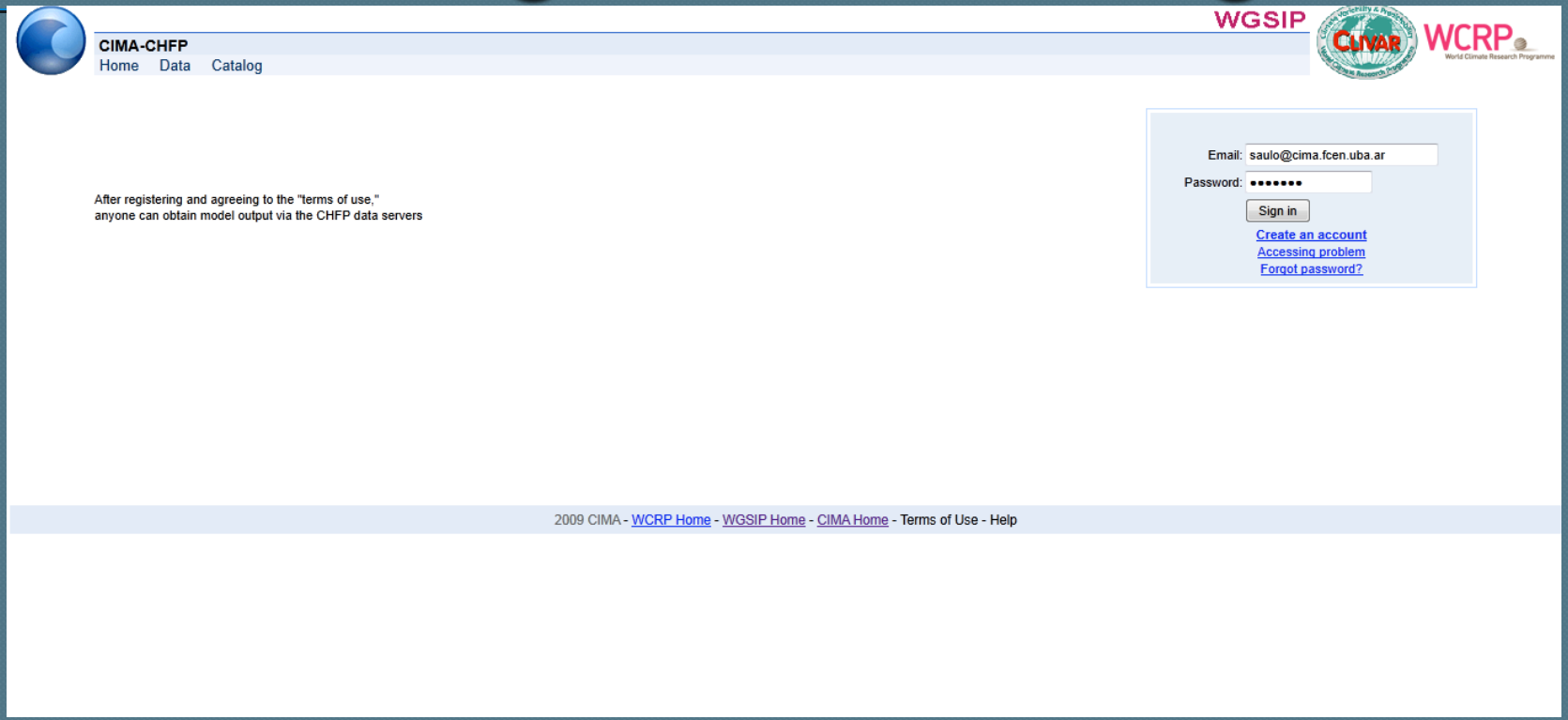
- http://chfps.cima.fcen.uba.ar/



Login and/or register



- http://chfps.cima.fcen.uba.ar/DS/hf_Login.php?hf=ch

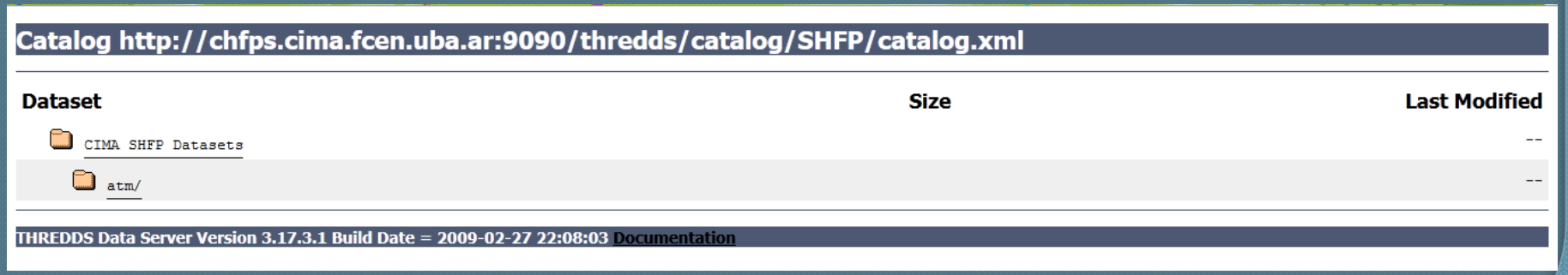
With the same login (/user) you can access both, CHFP and SHFP

Stratospheric-resolving HFP

	Basic	Optional additional for
Integrations	4 month lead times (1st November and 1st May start dates) 2 seasons (DJF and JJA) Case study years: 1989 onwards 6 members	12 month lead times 4 seasons 1979 onwards 10 or more members
Data	Monthly means of: ts, tas, pr, psl Monthly means of: ta (10, 30, 50, 700, 850hPa) ua, va (10, 30, 50, 200, 850hPa) zg (10, 30, 50, 200, 500, 850, 1000hPa) Daily mean values of: ua, ta (10, 30hPa)	 Monthly means of: ta, ua,va,zg (1000, 925, 700, 600, 500, 400, 300, 250, 200, 150, 100, 70, 20, 7, 5, 3, 2, 1, 0.4hPa) Daily mean values of: pr, zg (500hPa)

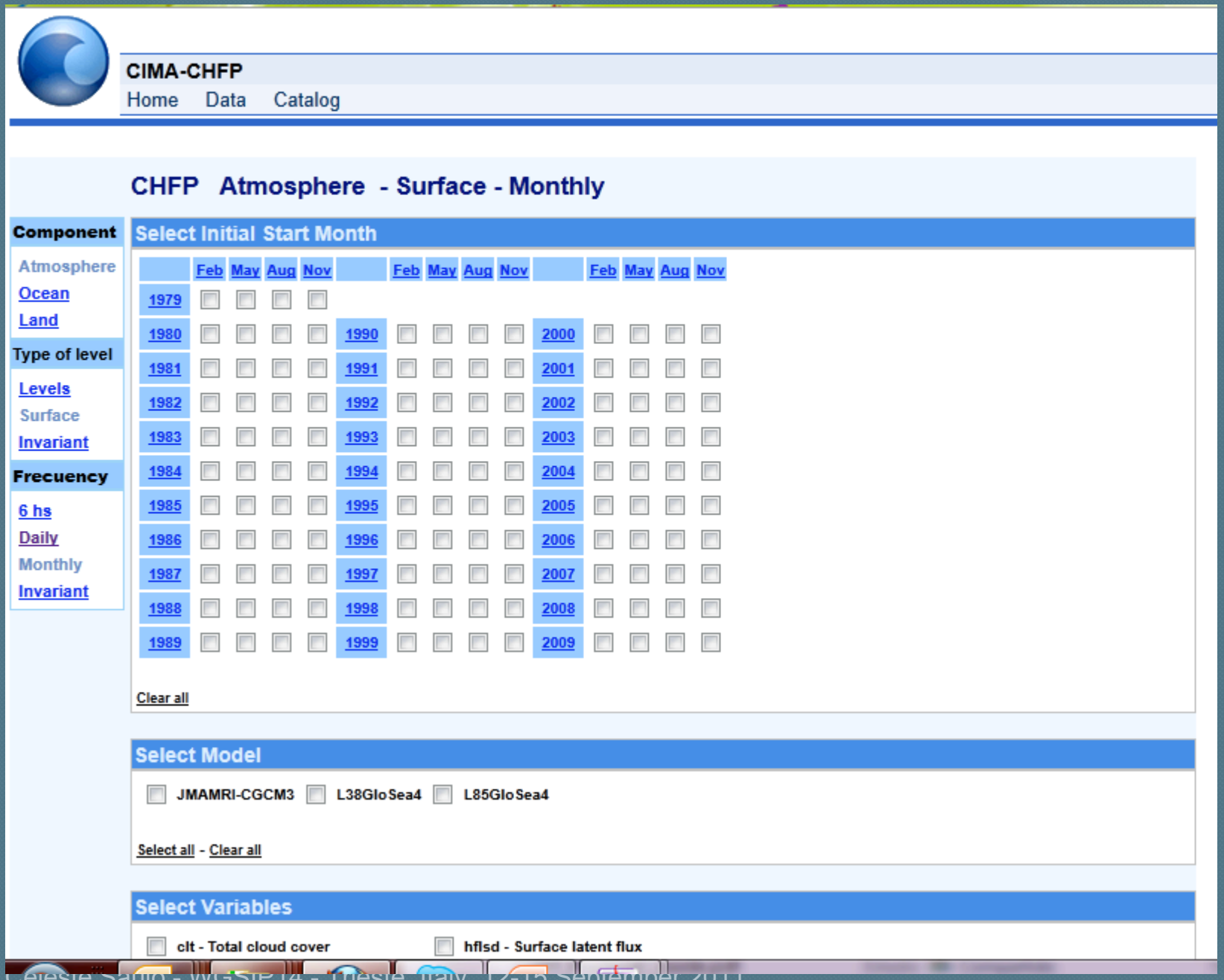
- http://chfps.cima.fcen.uba.ar:9090/thredds/catalog/CHFP/

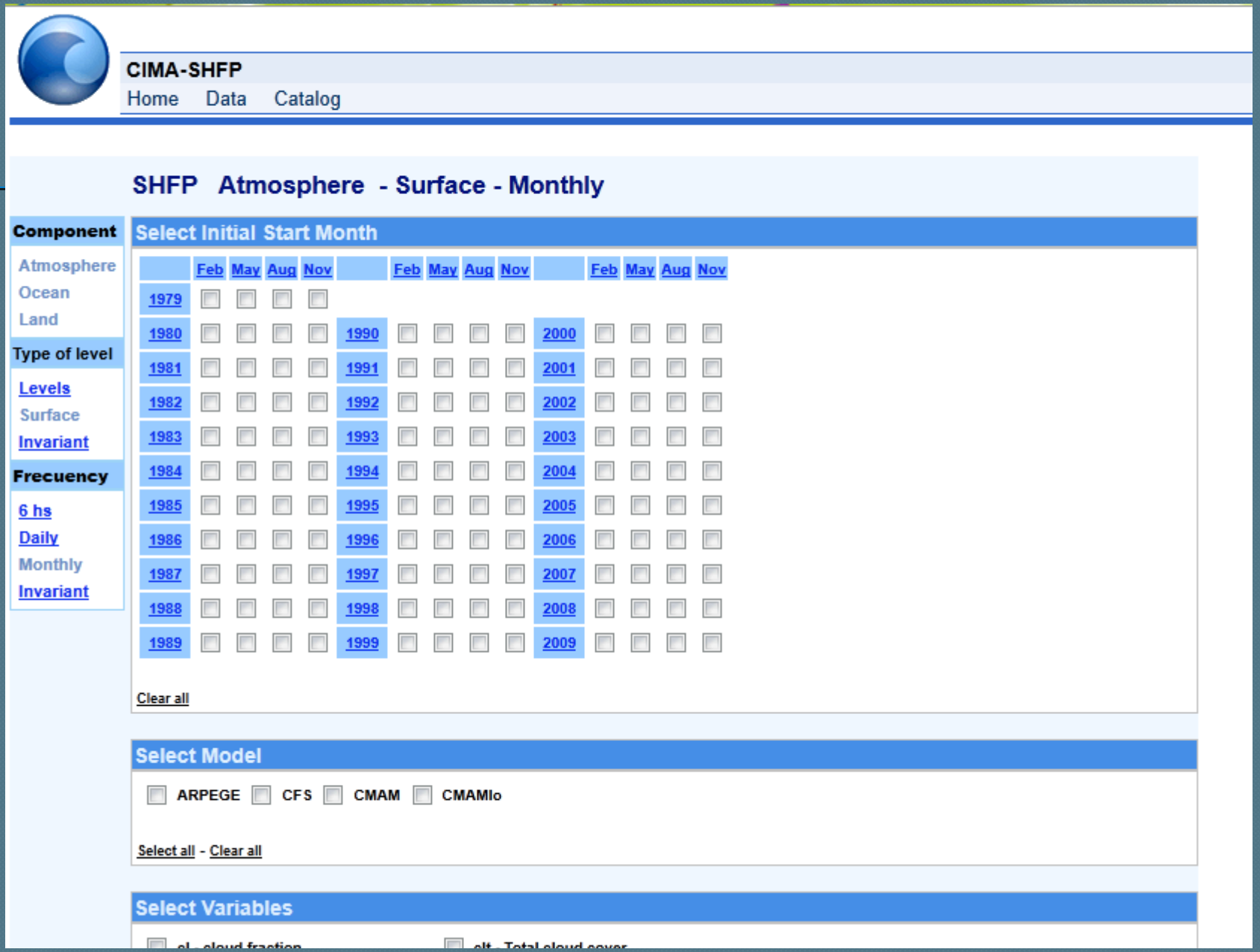
- http://chfps.cima.fcen.uba.ar:9090/thredds/catalog/SHFP/

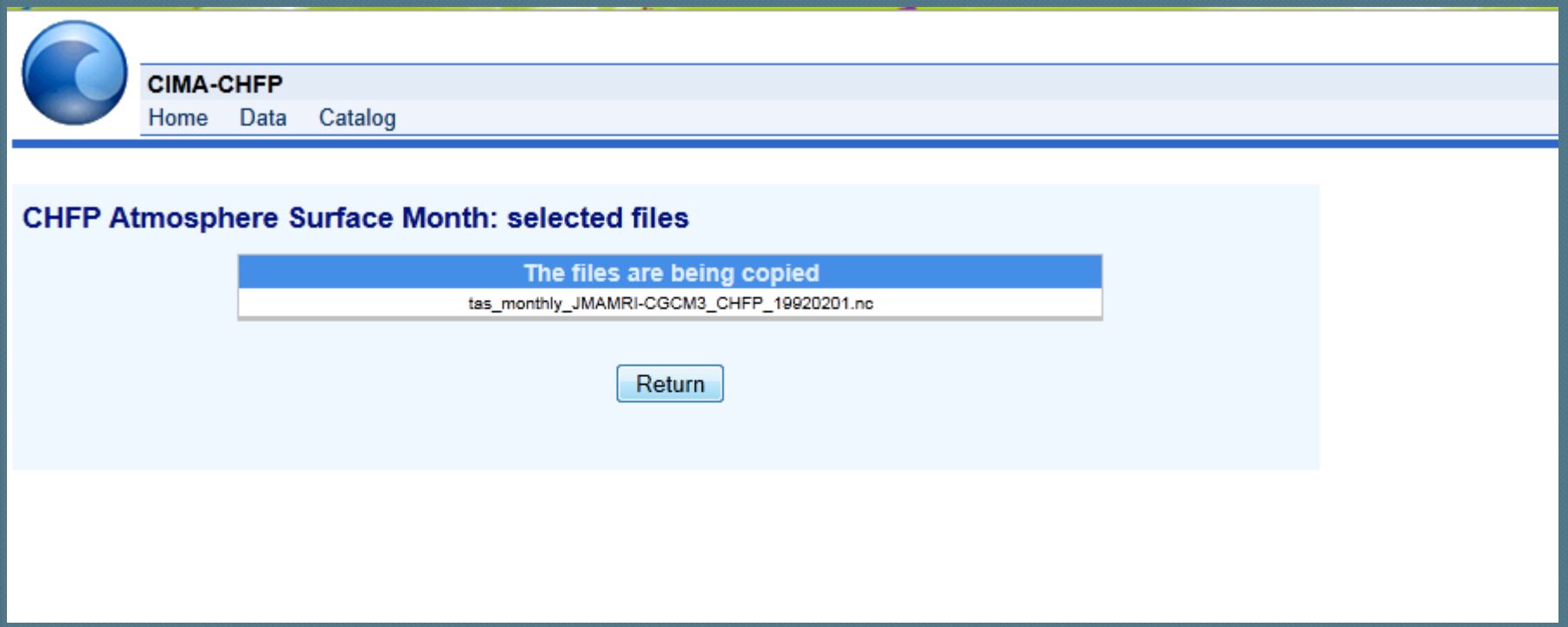


Options

- Component:
  - Atmosphere, Land or Ocean data set
- Type of level
  - Surface
  - Height (levels)
  - invariant
- Frequency
  - Monthly
  - Daily
- Data
  - Year and month of initialization
  - Model
  - variable


CIMA-CHFP
Home Data Catalog
CHFP Atmosphere - Surface - Monthly
Component
Atmosphere
Ocean
Land
Type of level
Levels
Surface
Invariant
Frecuency
6 hs
Daily
Monthly
Invariant
Select Initial Start Month
Feb May Aug Nov Feb May Aug Nov Feb May Aug Nov
1979
1980 1990 2000
1981 1991 2001
1982 1992 2002
1983 1993 2003
1984 1994 2004
1985 1995 2005
1986 1996 2006
1987 1997 2007
1988 1998 2008
1989 1999 2009
Clear all
Select Model
JMAMRI-CGCM3 L38GloSea4 L85GloSea4
Select all - Clear all
Select Variables
clt - Total cloud cover
hflsd - Surface latent flux


CIMA-SHFP
Home Data Catalog
SHFP Atmosphere - Surface - Monthly
Component
Atmosphere
Ocean
Land
Type of level
Levels
Surface
Invariant
Frecuency
6 hs
Daily
Monthly
Invariant
Select Initial Start Month
Feb May Aug Nov Feb May Aug Nov Feb May Aug Nov
1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989
1990 1991 1992 1993 1994 1995 1996 1997 1998 1999
2000 2001 2002 2003 2004 2005 2006 2007 2008 2009
Clear all
Select Model
ARPEGE CFS CMAM CMAMlo
Select all - Clear all
Select Variables


CIMA-CHFP
Home
Data
Catalog
CHFP Atmosphere Surface Month: selected files
The files are being copied
tas_monthly_JMAMRI-CGCM3_CHFP_19920201.nc
Return

- CHFP >> Admin Message <<

Celeste Saulo: Your(s) selected file(s), tas_monthly_JMAMRI-CGCM3_CHFP_19920201.nc are being copied. You will receive an e-mail when the process is finished. CHFP Automata Server

- CHFP Admin Message:

Celeste Saulo: Your(s) selected file(s) were copied You can download the files from the following list: 1 file(s) copied. Directory will be available during a week http://chfps.cima.fcen.uba.ar/request/20110908125625/tas_monthly_JMAMRI-CGCM3_CHFP_19920201.nc CHFP 2 Automata Server

What do we have in CHFP at this moment?

	SFC - Mon	Levels-Mon	SFC-daily	Levels Daily	SFC mon	Levels mon	Levels daily
JMAMRI-CGCM3	2016	560	1568	560	224	448	448
L38GloSea4	280	168					
L85GloSea4	420	336					

Atmosphere

Ocean

e.g.: JMA 1979-2006 = 28 years, 4 initialization months= 112 files per variable

Total number of files in CHFP = 7028

What do we have in SHFP at this moment?

	SFC -Mon	Levels-Mon	SFC- daily	Levels Daily
ARPEGE	522	870		
CMAM	240	240	180	180
CMAMlo	240	240	180	180

Atmosphere

Total number of files in SHFP = 3072

CHFP, (most frequent) variables

- Surface:
  - prlr (Total precipitation – 24 hr accumulated)
  - psl (mean sea level pressure)
  - snld (snow depth)
  - tas (2m-air T)
  - ts (surface T, SST+land)
- Levels:
  - g, hus (specific humidity), ua, va, ta

SHFP, (most frequent) variables

- Surface:
  - pr (total precipitation rate, at kg/(m**2 s)
  - psl (mean sea level pressure)
  - tas (2m-air T)
  - ts (surface T, SST+land)
- Levels:
  - zg, ua, va, ta

Problems

- Most frequent:
  - **Putting model outputs in CHFP/SHFP protocol**
  - Lack of variables and/or levels
- Likely to occur:
  - Downloading many archives in the same "request" (specially daily files), may cause delays…
    - Example: Dimension of 1 archive of daily T (at 5 levels) ~583 Mb, dimension of 1 archive of monthly mean T at the sfc: ~3 Mb.
    - Daily data from SHFP (higher vertical resolution) may be 3 times larger
- What we don't want to occur:
  - People not using this data set!!

Questions? Suggestions?

Thank you!