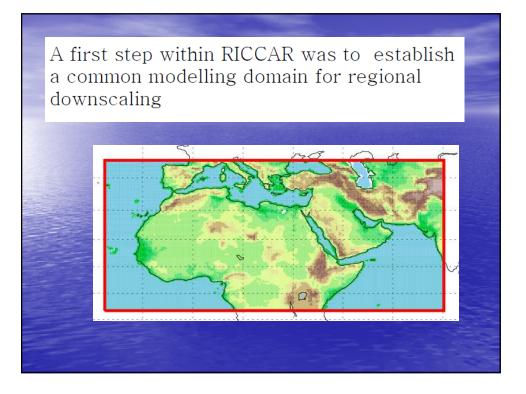
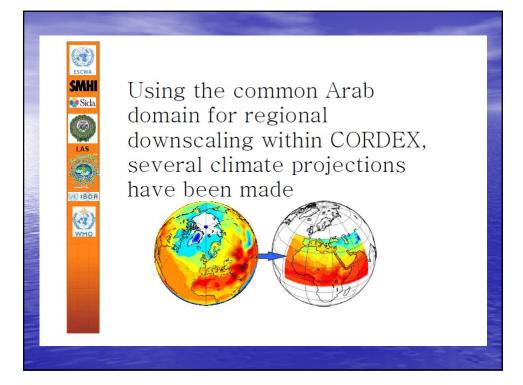


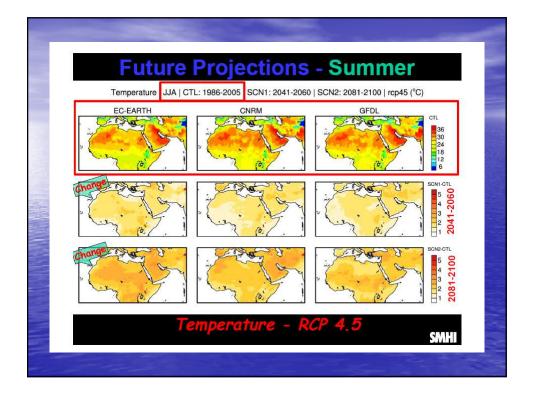
RCM (Institute)	GCM	Historical 1950-2005	RCP2.6 2006-2100	RCP4.5 2006-2100	RCP8.5 2006-2100	A Carton
RCA4 (SMHI)	EC-Earth 50km	~	 ✓ 	√	V	
RCA4 (SMHI)	EC-Earth 25km	~			~	
RCA4 (SMHI)	CNRM 50km	~		1	V	
RCA4 (SMHI)	GFDL-ESM	~		~	~	
RCA4 (SMHI)	GFDL-ESM 25km	~			~	
na (Kaust)	GFDL-ESM-1 25km	~		~	~	
na (Kaust)	GFDL-ESM-2 25km	~		×	1	
Remo (CSC)	MPI-ESM	~		~	~	
RegCM4 (Kau)	HadGEM2	¥.		1	1	
RegCM4	MPI-ESM 50km	1		1	1	
RegCM4	GFDL-ESM	1		1	1	

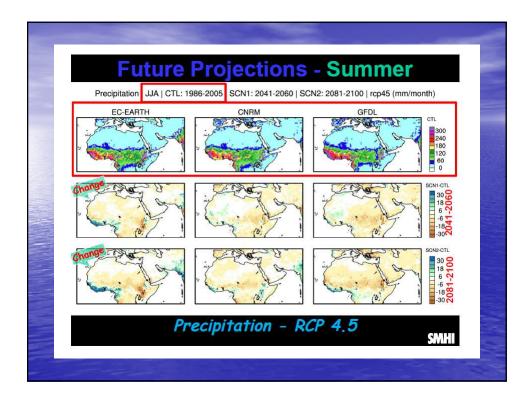
Co	re: Monthly and seasonal output.		
1	2-metre Air Temperature	K	
2	Maximum 2-metre Air Temperature (monthly average of daily maximum)	K	
3	Minimum 2-metre Air Temperature (monthly average of daily minimum)	K	COPDEY Space
4	Precipitation	kg/m²/s	CORDEX Specs
5	Mean Sea Level Pressure	Pa	
6	2-metre Specific Humidity	1	
7	10-metre Wind Speed	m/s	
8	Maximum 10-metre Wind Speed (monthly average of daily max)	m/s	
9	Total Cloud Cover	%	
10	Sunshine Hours (duration when surface solar radiation flux exceeds 120 W/m ²)	s	
11	Surface Downwelling Shortwave Radiation	W/ m ²	
	Surface Downwelling Longwave Radiation	W/ m ²	
	Surface Latent Heat Flux	W/ m ²	
	Surface Sensible Heat Flux	W/ m ²	
	Upwelling Surface Shortwave Radiation	W/ m ²	
	Upwelling Longwave radiation	Wℓ m ²	
	Surface Evaporation	kg/m²/s	
	Soil Frozen Water Content	kg/m ²	
	Surface Runoff	kg/m²/s	
	Total Runoff	kg/ m²/s	
	Total Soil Moisture Content	kg/m ²	
	Snow Amount	kg/m ²	
	Snow Melt	kg/m²/s	
	TOA Outgoing Longwave Radiation	W/m ²	
	TOA Incident Shortwave Radiation	W/ m ²	
26	TOA Outgoing Shortwave Radiation	W/ m ²	
	Eastward 10-metre Wind Velocity	m/s	
	northward 10-metre Wind Velocity	m/s	
	Zonal (castward) Wind at 850 hPa	m/s	
	Meridional (northward) Wind at 850 hPa	m/s	
31	Temperature at 850 hPa	K	
32	Specific Humidity at 850 hPa	1	
	Zonal (eastward) Wind at 500 hPa	m/s	
	Meridional (northward) Wind at 500 hPa	m/s	
	Geopotential Height at 500 hPa	m	
	Temperature at 500 hPa	K	
	Zonal (castward) Wind at 200 hPa	m/s	
	Meridional (northward) Wind at 200 hPa	m/s	
	Temperature at 200 hPa	K	monthly
40	Geopotential at 200 hPa	m	monuniv
41 42	Snow Area Fraction	%	
42		m	SMA
43	Sea Ice Fraction	%	

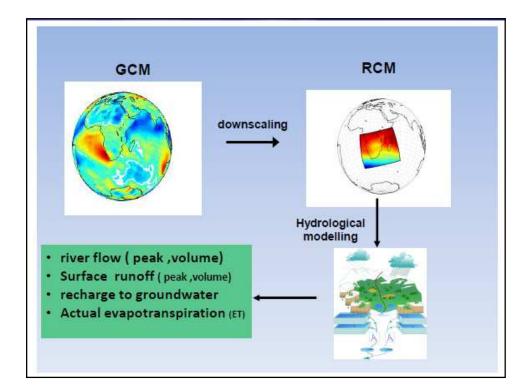
Tier 1	Daily average output (for some variables minimum	n maximum	3		
	netre Air Temperature	K	-		
	iximum 2-metre Air Temperature	K		CORDEX Sp	
	nimum 2-metre Air Temperature	K		CORDEX SD	ERS
	cipitation	kg/m2/s		O O NDEN OP	
	rface Pressure	Pa			
	an Sea Level Pressure	Pa		Temperature at 850 hPa	К
7 2-1	netre Specific Humidity	1	-44	Specific Humidity at 850 hPa	1
	metre Wind Speed	m/s	45	Zonal (eastward) wind at 500 hPa	m/s
	iximum 10-metre Wind Speed	m/s	-46	Meridional (northward) wind at 500 hPa	m/s
	tal Cloud Cover	9%	- 47	Geopotential height at 500 hPa	m
	nshine Hours	8	48	Temperature at 500 hPa	К
	rface Downwelling Shortwave Radiation	W/m ²	- 49	Zonal (castward) wind at 200 hPa	m/s
	rface Downwelling Longwave Radiation	W/m ²	- 50	Meridional (northward) wind at 200 hPa	m/s
	rface Latent Heat Flux	W/m ²	51	Temperature at 200 hPa	K
	rface Sensible Heat Flux	W/m^2	52	Geopotential at 200 hPa	m
	rface Upwelling Shortwave Radiation	W/m^2	- 53°	High Clouds (p<440 hPa) if available	9%
	rface Upwelling Longwave radiation	W/m ²	54	Medium Clouds (680 hPa < p < 440 hPa) if available	9%
	rface Evaporation	kg/ m ² /s	- 55	Low Clouds (p>680 hPa) if available	9%
	tential Evaporation	kg/m ² /s	- 56	Snow Area Fraction	%
	il Frozen Water Content	kg/m ²	57	Snow depth	m
	rface Runoff	kg/ m ² /s	58	Sea Ice Fraction	9%
	tal Runoff	kg/ m ² /s	- 59	Snowfall Flux	kg/m ² /s
	tal Soil Moisture Content	kg/m ²		40100420802107707	
	ow Amount	kg/m ²	-		
	ow Melt	kg/m ² /s	-		
	iximum 1-hour Precipitation Rate within the 24 hour period	kg/ m ² /s			
	nvective Precipitation	kg/ m ² /s	-		
	DA Outgoing Longwave Radiation	W/m ²	-		
	A Incident Shortwave Radiation	W/m ²	-		
	A Outgoing Shortwave Radiation	W/m ²	-		
	stward 10-metre Wind Speed	m/s	-		
	rthward 10-metre Wind Speed	m/s			
	iximum 10-metre GUST Wind Speed if available	m/s	-		
	rface Downward Eastward Wind Stress	Pa			
	rface Downward Eastward wind Stress	Pa			
	rface (skin) Temperature	K			
			_		
	mospheric Boundary Layer Thickness	m			
	lumn Water Vapour	m			
	lumn Condensed (liquid+ice) Water Content	m		daily	
	lumn Ice Water Content	m		daily	
	nal (eastward) Wind at 850 hPa	m/s			
42 Mc	ridional (northward) Wind at 850 hPa	m/s			











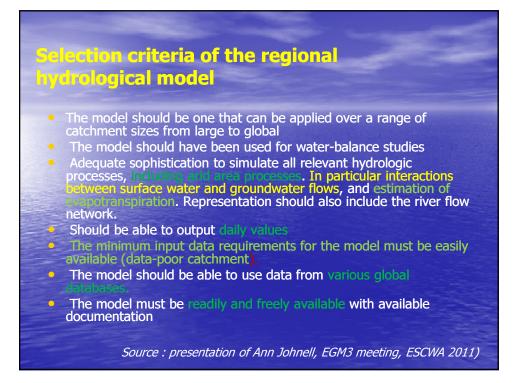
Hydrological modeling

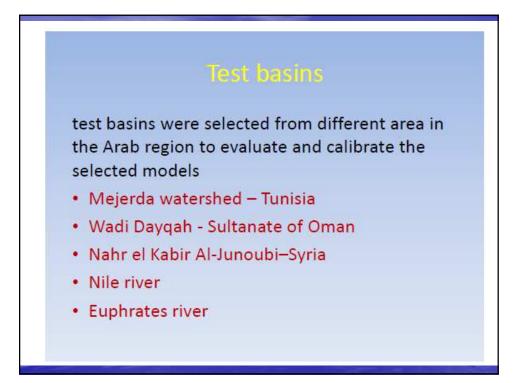
The following models were selected to simulate hydrological process over the Arab region

• HYPE model (*HYdrological Predictions* for the Environment)

VIC model

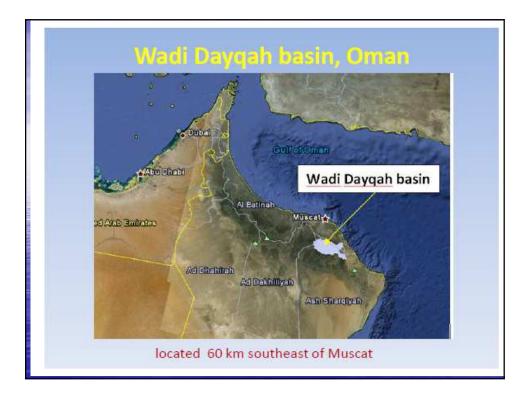
HEC-HMS

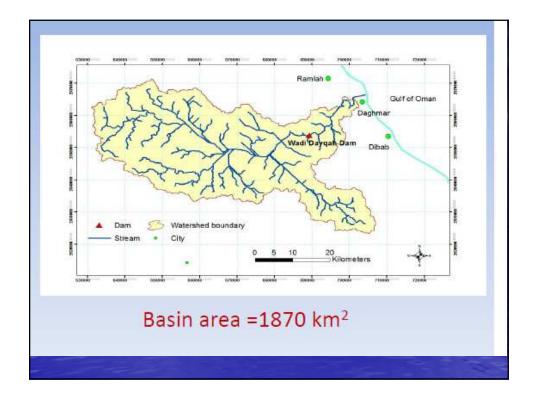




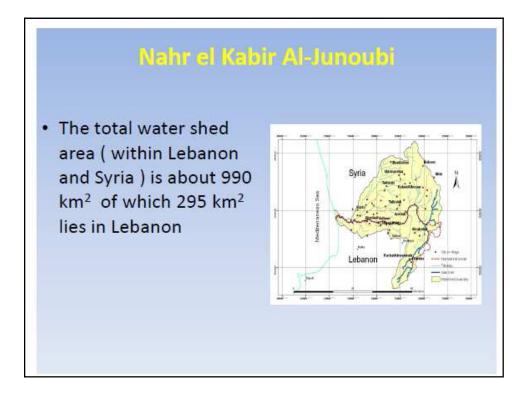


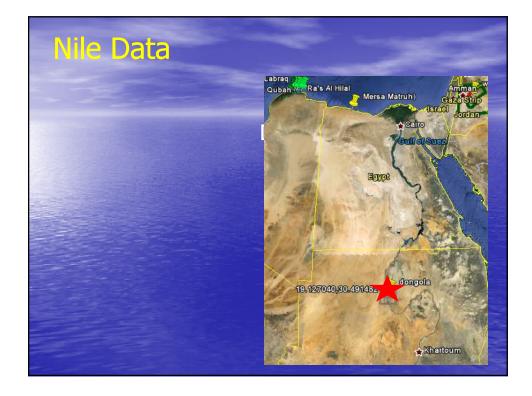


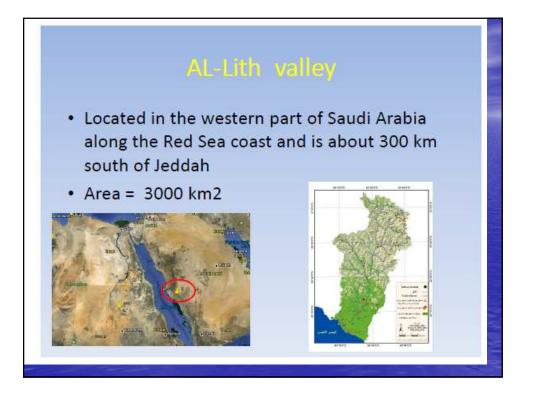


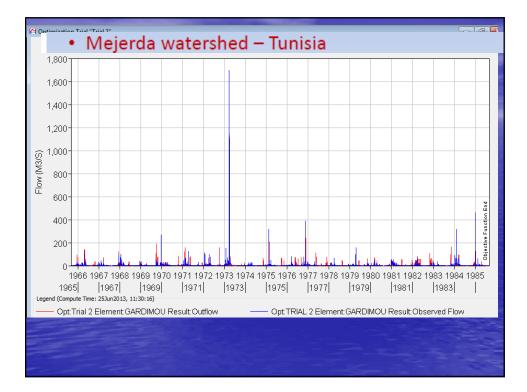




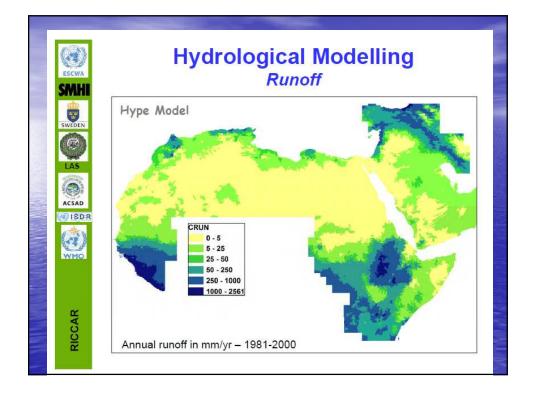


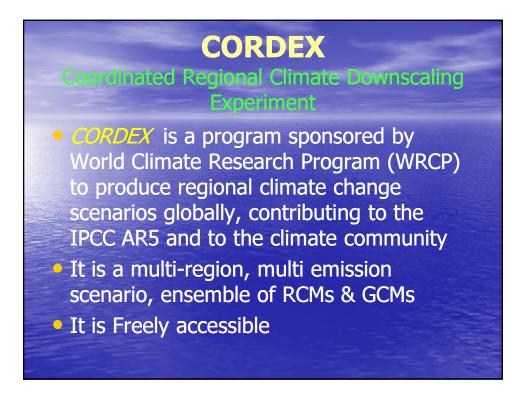


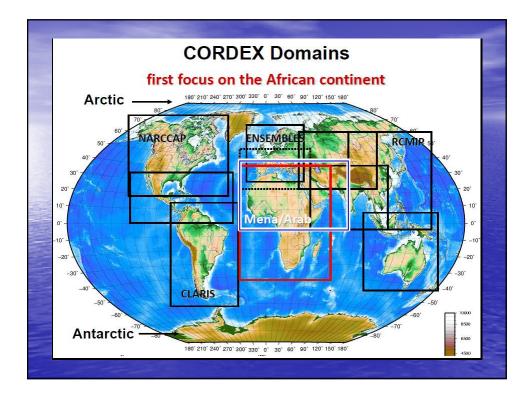




Intin	hized na	ran	noto	rc	
pun	nized pa	en	IELE	15	
Optimized P	arameter Results for Tria	l "Trial 2"			- C X
	Project: hydrologi	cmodel (Optimization 1	Trial: Trial 2	
Com	of Trial: 31Aug1985, 00: oute Time: 25Jun2013, 11:	30:16 C	leteorologic N ontrol Specifi	cations: tttt	_control
Element	Parameter	Units	Initial Value	Optimized Value	Objective Function Sensitivity
Gardimou	Soil Infiltration Rate	MM/HR	1.97	1.3386	-24.76
Gardimou	Soil Percolation Rate	MM/HR	0.653	0.44168	-37.25
Gardimou	Groundwater 1 Perco	MM/HR	2.03	2.0701	-0.02
Gardimou	Groundwater 2 Perco	MM/HR	2.03	2.0704	-0.00
Gardimou	Groundwater 1 Stora	HR	10	0.26012	0.33
Gardimou	Groundwater 2 Stora	HR	9.77	1.9299	0.00
Gardimou	Baseflow Initial Flow	M3/S	0.145	0.0286420	0.00
Gardimou	Baseflow Threshold R		0.254	0.38100	0.00
Gardimou	Clark Storage Coeffic	HR	37.85	38.335	-0.30
Gardimou	Clark Time of Concen	HR	50.3	110.96	0.26
Gardimou	Recession Constant		0.51	0.47041	0.41

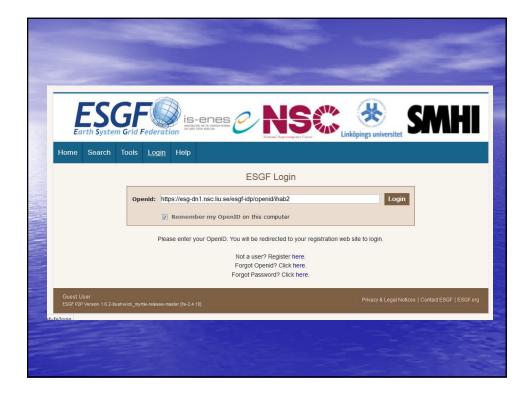








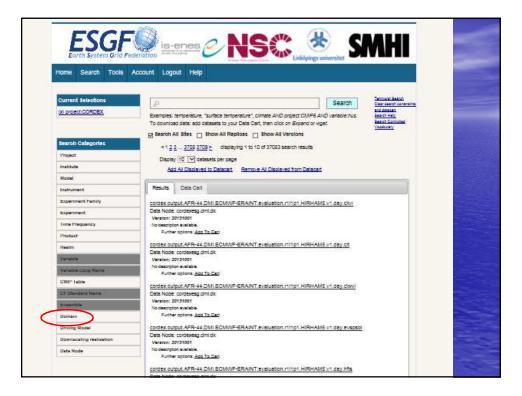




ESSGE Earth System Grid F Home Search Tools	ederation
Current Selections No search oriteria selected	Examples: temperature, "surface temperature", climate AND project CMIP5 AND variable true. To download data: add datasets to your Data Cart, then click on Expand or wget. Sarch All Sites Show All Replicas Show All Versions
Search Categories	Search All sites show All Replicas show All Versions
Project	Add All Displayed to Datacart Remove All Displayed from Datacart
Institute	
Model	Results Data Cart
Instrument	
Experiment Family	
Experiment	
Time Frequency	
Product	
Realm	
Variable	
Variable Long Name	
CMIP Table	
CF Standard Name	
Ensemble	

Home Search Tools	Account Logout I	ielp			
Current Selections	P			Search	Temporal Search Clear search constr and datacart
No search criteria selected	To download data:	ture, "surface temperature", ol add datasets to your Data Car Show All Replicas	, then click on Expand or wge		Search Help Search Controlled Vocabulary
Search Categories					
Project	and the second	datasets per page			
Institute	Add All Dis	played to Datacart Remove	All Displayed from Datacart		
Model	Results Data	Cart			
Instrument					
Experiment Family					
Experiment					
Time Frequency					
Product					
Realm					
Variable					
Variable Long Name					
CMIP Table					
CF Standard Name					
Ensemble					

ESGF Earth System Grid Fede	No. of Britshire						
		27 1001	Sala	and Reprintmenter Conte-	Linköpin	gs universitet	
Home Search Tools Ac	count Log	out Help					
Current Selections	P					Search	Temporal Search Clear search constraints
No search criteria selected	Examples:	temperature,	"surface temp	erature", climate	AND project:CMIP	5 AND variable:hus.	and datacart Search Help
	To downloa	ad data: add d	atasets to you	ur Data Cart, the	n click on Expand o	wget.	Search Controlled Vocabulary
	Search /	All Sites 🗌	Show All Rep	plicas 🗌 Sho	w All Versions		
Search Categories	Disola	y 10 🔽 dati	neate par ann	~			
Project		d All Displayer			isplayed from Data	nart	
AmeriFlux (3)							
BioClim (2)	Results	Data Cart					
C20C (1)							
CMIP5 (49227)	<u> </u>						
CORDEX (37083)							
COUND (4)							
CSSEF (614)							
EUCLIPSE (453)							
GASS-YoTC-MIP (2667)							
GeoMIP (673)							
ISI-MIP Fasttrack (22610)							



	the second se
variable	Version: 20131001
Variable Long Name	No description available.
	Further options: <u>Add To Cart</u>
CMIP Table	
	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p
CF Standard Name	Data Node: cordexesg.dmi.dk
Ensemble	Version: 20131001
	No description available.
Domain	Further options: Add To Cart
Driving Model	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p
	Data Node: cordexesg.dmi.dk
Downscaling realisation	Version: 20131001
Data Node	No description available.
Butu Houc	Further options: <u>Add To Cart</u>
	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p
	Data Node: cordexesg.dmi.dk
	Version: 20131001
	No description available.
	Further options: Add To Cart
1	

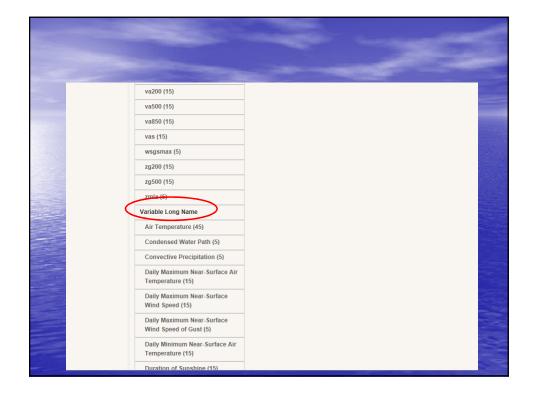
JWIP Table	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.clw
CF Standard Name	Data Node: cordexesg.dmi.dk
Insemble	Version: 20131001
Insemble	No description available.
Oomain	Further options: Add To Cart
AFR-44 (6615)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.evs
AFR-44i (2548)	Data Node: cordexesg.dmi.dk
AFR-441 (2340)	Version: 20131001
ANT-44 (604)	No description available.
	Further options: Add To Cart
ANT-44i (364)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.hfls
ARC-44 (2718)	Data Node: cordexesg.dmi.dk
ARC-44i (1621)	Version: 20131001
ARC-44I (1021)	No description available.
EUR-11 (3894)	Further options: Add To Cart
EUR-11i (1600)	
2014-111(1000)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.hfss
EUR-22 (113)	Data Node: cordexesg.dmi.dk
EUR-44 (5635)	Version: 20131001
2010-44 (3033)	No description available. Further options: Add To Cart
EUR-44i (3120)	r araisi opuolis. <u>Aud 10 Cart</u>
MNA-22 (700)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.hus
111111-22 (100)	Data Node: cordexesg.dmi.dk
MNA-22i (420)	Version: 20131001
MNA-44 (1551)	No description available.
mma	Further options: Add To Cart
MNA-44i (924)	cordex output AED 44 DMLECMINE EDAINT evaluation rdided HIDHAME vd. dev. bus
NAM-44 (1752)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.hus Data Node: cordexesq.dmi.dk

	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.clw
CF Standard Name	Data Node: cordexesg.dmi.dk
Ensemble	Version: 20131001
Elisellible	No description available.
Domain	Further options: Add To Cart
AFR-44 (6615)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.evs
AFR-44i (2548)	Data Node: cordexesg.dmi.dk
AI 1(-441 (2.540)	Version: 20131001
ANT-44 (604)	No description available.
ANT 44: (20 A)	Further options: Add To Cart
ANT-44i (364)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.hfls
ARC-44 (2718)	
	Data Node: cordexesg.dmi.dk Version: 20131001
ARC-44i (1621)	No description available.
EUR-11 (3894)	Further options: Add To Cart
	and option. <u>How to care</u>
EUR-11i (1600)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.hfss
EUR-22 (113)	Data Node: cordexesg.dmi.dk
2011-22 (113)	Version: 20131001
EUR-44 (5635)	No description available.
EUR-44i (3120)	Further options: Add To Cart
EUR-44((5120)	
MNA-22 (700)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.day.hus
\smile	Data Node: cordexesg.dmi.dk
MNA-22i (420)	Version: 20131001
MNA-44 (1551)	No description available.
	Further options: Add To Cart
MNA-44i (924)	cordex.output.AFR-44.DMI.ECMWF-ERAINT.evaluation.r1i1p1.HIRHAM5.v1.dav.hus
NAM-44 (1752)	Data Node: cordexeso dmi dk

(x) project:CORDEX (x) domain:MNA-22	To download data: add datasets to your Data Cart, then click on Expand or wget.					
	Search All Sites Show All Replicas Show All Versions					
	< 1 <u>2</u> <u>3</u> <u>69 70</u> <u>></u> displaying 1 to 10 of 700 search results					
Search Categories	Display 10 🔽 datasets per page					
Project	Add All Displayed to Datacart Remove All Displayed from Datacart					
Institute						
Model	Results Data Cart					
Instrument	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r0i0p0.RCA4.v1.fx.orog					
Experiment Family	Data Node: esg-dn1.nsc.liu.se Version: 20131101					
Experiment	No description available.					
Time Frequency	Further options: Add To Cart					
Product	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r0i0p0.RCA4.v1.fx.sftlf Data Node: esg-dn1.nsc.liu.se					
Realm	Version: 20131101					
Variable	No description available. Further options: Add To Cart					
Variable Long Name	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.dav.clh					
CMIP Table	Data Node: esg-dn1.nsc.liu.se					
CF Standard Name	Version: 20131101 No description available.					
Ensemble	Further options: Add To Cart					
Ensemble						

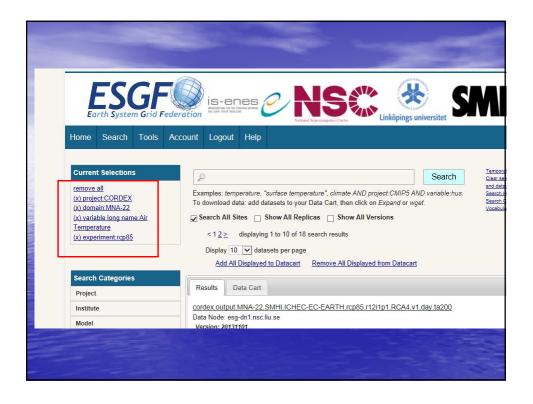
/ariable	Further options: Add To Cart
clh (5)	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.day.clh
clivi (5)	Data Node: esg-dn1.nsc.liu.se Version: 20131101
cll (5)	No description available.
clm (5)	Further options: Add To Cart
clt (15)	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.day.clivi
clwvi (5)	Data Node: esg-dn1.nsc.liu.se Version: 20131101
evspsbl (15)	No description available. Further options: <u>Add To Cart</u>
evspsblpot (5)	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.day.cli
hfls (15)	Data Node: esg-dn1.nsc.liu.se
hfss (15)	Version: 20131101 No description available.
hus850 (15)	Further options: Add To Cart
huss (15)	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.day.clm
mrfso (15)	Data Node: esg-dn1.nsc.liu.se Version: 20131101
mrro (15)	No description available.
mrso (15)	Further options: Add To Cart
orog (5)	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.day.clt Data Node: esg-dn1.nsc.liu.se
pr (15)	Version: 20131101
prc (5)	No description available. Further options: <u>Add To Cart</u>





Search Categories		
Project	Results Data Cart	
Institute		
Model	Cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1 Data Node: esg-dn1.nsc.liu.se	
Instrument	Version: 20131101	
Experiment Family	No description available. Further options: <u>Add To Cart</u>	
Experiment	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1	
Time Frequency	Data Node: esg-dn1.nsc.liu.se	
Product	Version: 20131101 No description available.	
Realm	Further options: Add To Cart	
Variable	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1	
Variable Long Name	Data Node: esg-dn1.nsc.liu.se Version: 20131101	
CMIP Table	No description available. Further options: <u>Add To Cart</u>	
CF Standard Name	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1	
Ensemble	Data Node: esg-dn1.nsc.liu.se	
Domain	Version: 20131101 No description available.	
Driving Model	Further options: Add To Cart	
Downscaling realisation	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1	
Data Node	Data Node: esg-dn1.nsc.liu.se Version: 20131101	

Project	Results Data Cart		
Institute	perdevisit MNA 22 CMULECOMME EDAINE availation rdided DCA4.ud d		
Model	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.d Data Node: esg-dn1.nsc.liu.se		
Instrument	Version: 20131101		
moti unioni	No description available.		
Experiment Family	Further options: Add To Cart		
Experiment	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.d		
evaluation (9)	Data Node: esg-dn1.nsc.liu.se		
	Version: 20131101		
historical (18)	No description available.		
rcp85 (18)	Further options: Add To Cart		
Time Frequency	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.d		
	Data Node: esg-dn1.nsc.liu.se		
Product	Version: 20131101 No description available.		
Realm	No description available. Further options: <u>Add To Cart</u>		
Variable			
	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.m		
Variable Long Name	Data Node: esg-dn1.nsc.liu.se		
CMIP Table	Version: 20131101		
	No description available. Further options: Add To Cart		
CF Standard Name	Turbiol Options. <u>And To Cart</u>		
Ensemble	cordex.output.MNA-22.SMHI.ECMWF-ERAINT.evaluation.r1i1p1.RCA4.v1.n		
Domain	Data Node: esg-dn1.nsc.liu.se		
Domain	Version: 20131101		



Current Selections emove all x) project CORDEX x) domain:MNA-22 x) variable long name-Air femperature x) experiment.rcp85	Image: Search Search Examples: temperature, "surface temperature", climate AND project CMIP5 AND variable:hus. To download data: add datasets to your Data Cart, then click on Expand or wget. Image: Search All Sites Show All Replicas Show All Versions <12≥ displaying 1 to 10 of 18 search results Display 10 datasets per page
	Add All Displayed to Datacart Remove All Displayed from Datacart
Search Categories	Results Data Cart
Project	
Institute	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta200
Model	Data Node: esg-dn1.nsc.liu.se Version: 20131101
Instrument	No description available.
Experiment Family	Further options: Add To Cart
	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta500
Experiment	Data Node: esg-dn1.nsc.liu.se
Time Frequency	Version: 20131101 No description available.
Product	Further options: Add_To_Cod cordex.output.MNA-22.SMHIJCHEC-EC-
Realm	EARTH:rcp85.r12i1p1.RCA4.v1.day.ta850 cordex.output.MNA-zz.3wn.raortec.Loc.Lanvin-rcp3or.r12i1p1.RCA4.v1.day.ta850
	Data Node: eso-dn1 nsc liu se

ares • 🗧 der more Aud-ons •	د میں اور		
	Display 10 ↓ datasets per page		
	Add All Displayed to Datacart Remove All Displayed from Datacart		
Search Categories Project	Results Data Cart		
Institute	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta200		
Model	Data Node: esg-dn1.nsc.liu.se Version: 20131101		
Instrument	No description available. Further options: Add To Cart		
Experiment Family			
Experiment	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta500 Data Node: esg-dn1.nsc.liu.se		
Time Frequency	Version: 20131101		
day (6)	No description available. Further options: Add To Cart		
	cordex.output.MNA-22.SMHI ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.dav.ta850		
mon (6)	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta850 Data Node: esg-dn1.nsc.liu.se		
sem (6)	Version: 20131101		
Product	No description available.		
Realm	Further options: Add To Cart		
Variable	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.mon.ta200		
	Data Node: esg-dn1.nsc.liu.se		
Variable Long Name	Version: 20131101 No description available.		
CMIP Table	Further options: Add To Cart		
CF Standard Name	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.mon.ta500		

	سبته اخبار فضيف ادست اد وي القس ادن وي	🔛 t 🔛 t 🖂 🦏 t rayet bare				
	Display 10 🗸 datasets per page					
	Add All Displayed to Datacart R	emove All Displayed from Datacart				
Search Categories						
Project	Results Data Cart					
Institute	cordex.output.MNA-22.SMHI.ICHEC-EC	-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta200				
Model	Data Node: esg-dn1.nsc.liu.se					
	Version: 20131101 No description available.					
Instrument	Further options: Add To Cart					
Experiment Family	cordex output MNA 22 SMHLICHEC EC	-EARTH.rcp85.r12i1p1.RCA4.v1.dav.ta500				
Experiment	Data Node: esg-dn1.nsc.liu.se	Data Node: esg-dn1.nsc.liu.se				
Time Frequency	Version: 20131101					
day (6)	No description available. Further options: <u>Add To Cart</u>					
uuj (0)						
mon (6)	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta850 Data Node: esg-dn1.nsc.liu.se					
sem (6)	Version: 20131101					
Product	No description available.	No description available.				
Realm	Further options: Add To Cart					
Variable		-EARTH.rcp85.r12i1p1.RCA4.v1.mon.ta200				
	Data Node: esg-dn1.nsc.liu.se					
Variable Long Name	Version: 20131101 No description available.					
CMIP Table	Further options: Add To Cart					
CF Standard Name	aprilay autout MNA 22 CMULICUEC EC	-EARTH.rcp85.r12i1p1.RCA4.v1.mon.ta500				

Current Selections	2 Search
remove all (x) project:CORDEX (x) domain:MNA-22 (x) variable long name:Air	Examples: temperature, "surface temperature", climate AND project:CMIP5 AND variable:hus. To download data: add datasets to your Data Cart, then click on Expand or wget. Search All Sites Show All Replicas Show All Versions
(x) experiment.rcp85	✓ search An Stess show An Versions <1> displaying 1 to 6 of 6 search results
(x) time frequency:day	Display 10 🗸 datasets per page
	Add All Displayed to Datacart Remove All Displayed from Datacart
Search Categories	Results Data Cart
Project	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta200
Institute	Data Node: esg-dn1.nsc.liu.se
Model	Version: 20131101
	No description available. Further options: Add To Cart
Instrument	
Experiment Family	Cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta500 Data Node: esg-dn1.nsc.liu.se
Experiment	Version: 20131101
Time Frequency	No description available.
Product	Further options: Add To Cart
	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta850
Realm	Data Node: esg-dn1.nsc.liu.se

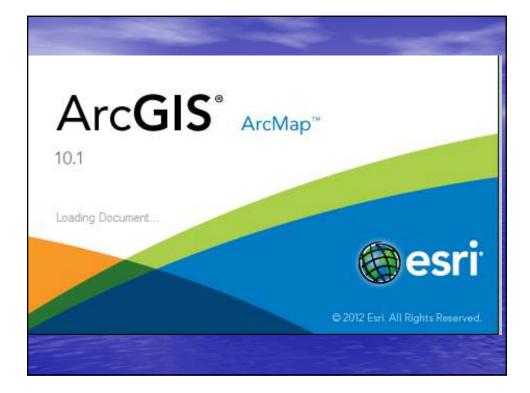
remove all (x) project CORDEX (x) domain MNA-22 (x) variable long name / Temperature (x) experiment rcp85 (x) time frequency day	Search All Stees Show All Kepices Show All Versions <1> displaying 1 to 6 of 6 search results Display 10 datasets per page
	Add All Displayed to Datacart Remove All Displayed from Datacart
Search Categories	Results Data Cart
Project	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.da
Institute	Data Node: esg-dn1.nsc.liu.se
Model	Version: 20131101 No description available.
Instrument	Further options: Remove From Cart
Experiment Family	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.da
Experiment	Data Node: esg-dn1.nsc.liu.se Version: 20131101
Time Frequency	No description available.
Product	Further options: Add To Cart
Realm	cordex.output.MNA-22.SMHI.ICHEC-EC-EARTH.rcp85.r12i1p1.RCA4.v1.da
Variable	Data Node: esg-dn1.nsc.liu.se Version: 20131101
Variable Long Name	No description available. Eurther options: Add To Cart

emove all	Examples: temperature, "surface temperature", climate AND project:CMIP5 AND variable:hus.
() project:CORDEX () domain:MNA-22	To download data: add datasets to your Data Cart, then click on Expand or woet.
() variable long name:Air	Vocabulary
emperature	E search All sites a show All replicas a show All versions
() experiment:rcp85	< 1 > displaying 1 to 6 of 6 search results
() time frequency:day	Display 10 💌 datasets per page
	Add All Displayed to Datacart Remove All Displayed from Datacart
earch Categories	Results Data Cart
Project	Globus Online All WGET All
nstitute	Show all Filter over text Selected Selected Selected
Model	
nstrument	cordex.output.MNA-22.SMHI.ICHEC- Show Files WGET Globus Online Remove
Experiment Family	EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.pr.v20131101
Experiment	esg-dn1.nsc.liu.se (Total Number of Files for All Variables: 19)
Time Frequency	Cordex.output.MNA-22.SMHI.ICHEC- Show Files WGET Globus Online Remove EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.ta200.v20131
Product	☑ 101 esg-dn1.nsc.liu.se
Realm	(Total Number of Files for All Variables: 19)
/ariable	

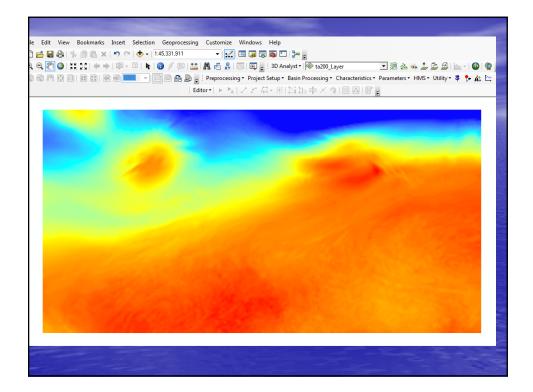
Institute	 Show all 	Filter over text	Globus Or	nline All	WGET All	Remove /
Model			Selected		Selected	
Instrument	cordex.	output.MNA-22.SMHI.ICHEC-		Hide Files	NGET Globus	Online Remo
Experiment Family	11781	TH.rcp85.r12i1p1.RCA4.v1.day.pr.v20	131101			
Experiment	esg-an	1.nsc.liu.se umber of Files for All Variables: 19)				
Time Frequency	cordex.c	output.MNA-22.SMHI.ICHEC-				
Product	EC-EARTH.rcp85.r1211p1.RCA4.v1.day.pr.v20131101.pr_MNA- 22_JCHEC-EC-EARTH_rcp85_r1211p1_SMHI-					
Realm	RCA4_v1_day_20960101-21001231.ncjesg.dn1.nsc.liu.se tracking_idt 777/3204-6ba9-4e12-accf-bcc225825/4/					
Variable	checksu					
		d67cbbacbec20ce0fcf34b8617568eab252646 a42aa8 (sha256)	59f7f3d1d			
Variable Long Name	1. Developed and the second	output.MNA-22.SMHLICHEC-				
CMIP Table	EC-EART	TH.rcp85.r12i1p1.RCA4.v1.day.pr.v20131101.p	r_MNA-			
CF Standard Name		EC-EC-EARTH_rcp85_r12i1p1_SMHI- 1_day_20910101-20951231.ncjesg-dn1.nsc.l	ill.se			
Ensemble	tracking	_id: dfe1f302-c14b-466e-a892-6bab61cc7b8f			HT	TP Globus Onli
Domain		6de39b0b99716092496c05df88760729bab5f	3f1f2165			
Driving Model		18848fe (sha256) output.MNA-22.SMHI.ICHEC-				
Downscaling realisation	EC-EAR1	TH.rcp85.r12i1p1.RCA4.v1.day.pr.v20131101.p	r_MNA-			
Data Node		EC-EC-EARTH_rcp85_r12i1p1_SMHI- 1_day_20860101-20901231.ncjesg-dn1.nsc.l	iu.se			
Suta Hous	tracking	Id: b9af2d0e-5f10-483b-b0c2-420c691246at	2		HI	TP Globus Onli

Opening pr_MNA-22_ICHEC-EC-EARTH_rcp85_r12i1p1_SMHI-RCA4_v1 💳 🏜	
You have chosen to open: You have chosen to open: H_rcp85_r12i1p1_SMHI-RCA4_v1_day_20960101-21001231.nc which is: nc File (91.7 MB) from: http://esg-dn1.nsc.liu.se	× 🖬 (12 unread) - ihjnad - Yahoo Mail × + ☆ マ C 🛛 🚼 - G
What should Firefox do with this file? Open with Browse Save File	Show all Siter over text <u>Globus Online All</u> <u>Selected</u>
Do this <u>a</u> utomatically for files like this from now on. OK Cancel	cordex.output.MNA-22.SMHI.ICHEC- Hide Files EC-EARTH.rcp85.r1211p1.RCA4.v1.day.pr.v20131101 esg-dn1.nsc.liu.se (Total Number of Files for All Variables: 19) 19)
Time Frequency	cordex.output.MNA-22.SMH.IICHEC- EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.pr.v20131101.pr_MNA-
Product	22_ICHEC-EC-EARTH_rcp85_r12i1p1_SMHi-
Realm	RCA4_v1_day_20960101-21001231.nc esg-dn1.nsc.liu.se tracking_id: 777f3204-6ba9-4e12-acc1-bcc225825f4f
Variable	checksum:
	da5820d67cbbacbec20ce0fcf34b8617568eab2526469f7f3d1d 66455ea42aa8 (sha256)
Variable Long Name	cordex.output.MNA-22.SMHI.ICHEC-
CMIP Table	EC-EARTH.rcp85.r12i1p1.RCA4.v1.day.pr.v20131101.pr_MNA-
CF Standard Name	22_ICHEC-EC-EARTH_rcp85_r12i1p1_SMHI- RCA4_v1_day_20910101-20951231.nclesg-dn1.nsc.liu.se
Ensemble	tracking/didte1f302-c14b-466e-a892-6bab61cc7b8f checksum:
Domain	90a0b16de39b0b99716092496c05df88760729bab5f3f1f2165 7700f708848fe (sha256)
Driving Model	cordex.output.MNA-22.SMHI.ICHEC-
Downscaling realisation	EC-EARTH.rcp85.r1211p1.RCA4.v1.day.pr.v20131101.pr_MNA- 22 ICHEC-EC-EARTH rcp85 r1211p1 SMHI-
Data Node	RCA4_v1_day_20860101-20901231.nc]esg-dn1.nsc.liu.se tracking_id_bat2006_501_483h_b0c2_420c691246ab





Make NetCDF Raster Layer			
Input netCDF File D: E\dimate change\sida_escwa\watch rainfall data\data\1979\Rainf_daily_WFDEI_CRU_197903.nc\R Pariable Rainf X Dimension Ion Y Dimension Iat Output Raster Layer Rainf_layer Band Dimension (optional) Dimension Values (optional) X			Input netCDF file.
Dimension	Value		Tool Help



Make NetCDF Table View					2
Input netCDF File D: [E]climate change \sida_escwa \v Variables Rainf	vatch rainfall data\data\1979\Ra	inf_daily_WFDEI_CRU_197903		Variables The netCDF variable, or variables, used to create fields in the table view.	
Output Table View Rainf_daily_UFDEI_CRU_197903 Row Dimensions (optional)	Ок Сап	icel Environments)	<< Hide Help	Tool Help	

	a200_MNA-22_ICHEC-EC-EARTH_					
	OID	time	ta200			
F	1	1/1/2096 12:00:00 PM	220.4823			
	2	1/2/2096 12:00:00 PM	218.2572			
	3	1/3/2096 12:00:00 PM	217.2384			
	4	1/4/2096 12:00:00 PM	214.345			
	5	1/5/2096 12:00:00 PM	214.2417		and the second second	
	6	1/6/2096 12:00:00 PM	218.5714			
	7	1/7/2096 12:00:00 PM	217.0804			
	8	1/8/2096 12:00:00 PM	222.1257			
	9	1/9/2096 12:00:00 PM	215.7656			
	10	1/10/2096 12:00:00 PM	213.8888			
	11	1/11/2096 12:00:00 PM	216.6205			
	12	1/12/2096 12:00:00 PM	219.8328			
	13	1/13/2096 12:00:00 PM	217.542			
	14	1/14/2096 12:00:00 PM	216.5723			
	15	1/15/2096 12:00:00 PM	216.184			
	16	1/16/2096 12:00:00 PM	215.2609			
	17	1/17/2096 12:00:00 PM	214.0273			
	18	1/18/2096 12:00:00 PM	213.6782			
	19	1/19/2096 12:00:00 PM	213.0831			
	20	1/20/2096 12:00:00 PM	217.3637			
	21	1/21/2096 12:00:00 PM	218.2002			
	22	1/22/2096 12:00:00 PM	214.9776			
	23	1/23/2096 12:00:00 PM	213.6382			
	24	1/24/2096 12:00:00 PM	215.0868			
	25	1/25/2096 12:00:00 PM	215.5897			
	26	1/26/2096 12:00:00 PM	216.4209			

