



Cities, Territory and Landscapes in a changing climate

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)



Flash Eurobarometer 206a – The Gallup Organization, Hungary

Attitudes on issues related to EU Energy Policy

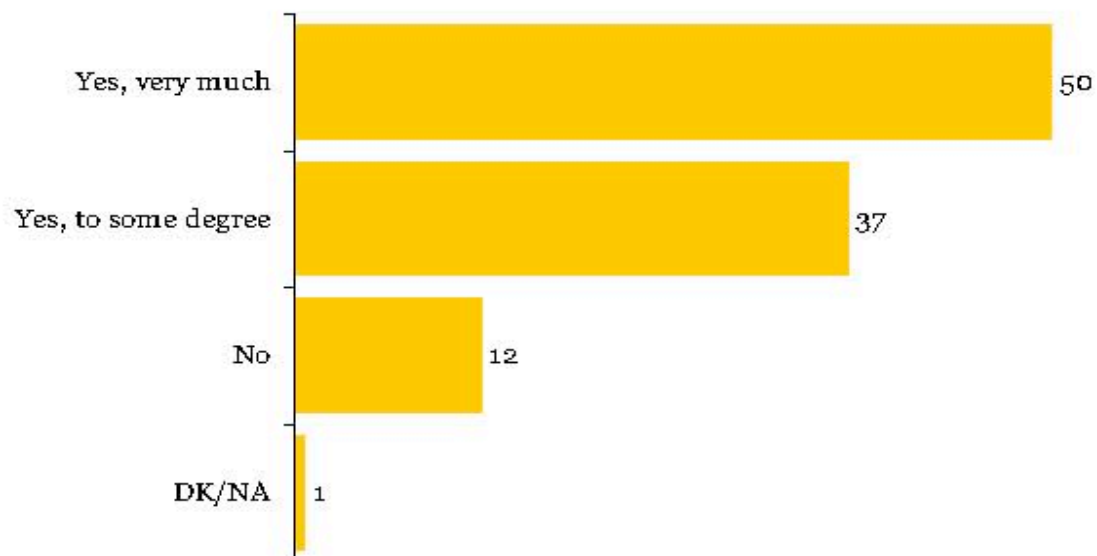
ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)



Concern for climate change and global warming

Flash Eurobarometer 206a – The Gallup Organization, Hungary



Q1. Are climate change and global warming a concern for you?

%, Base: all respondents

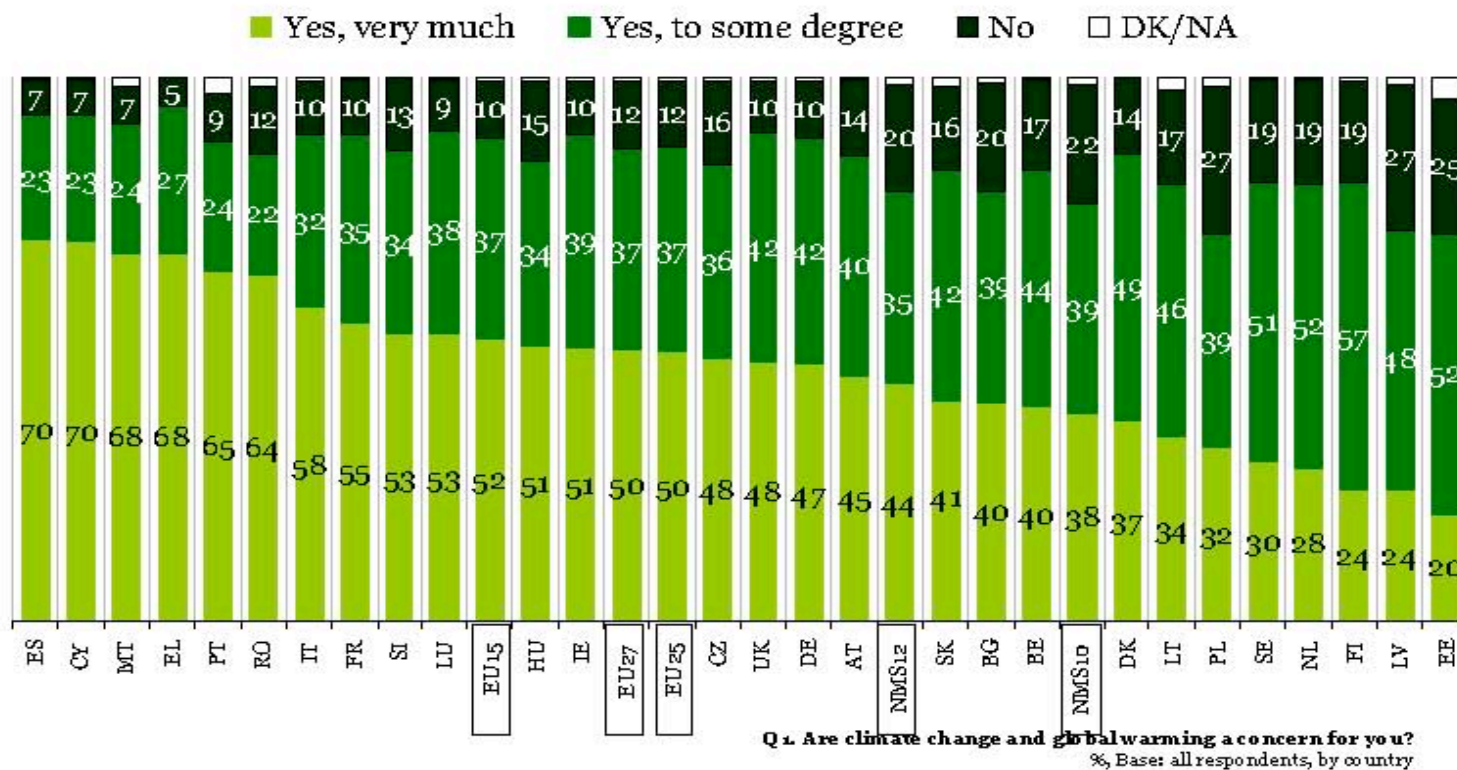
ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)



Concern for climate change and global warming

Flash Eurobarometer 206a – The Gallup Organization, Hungary



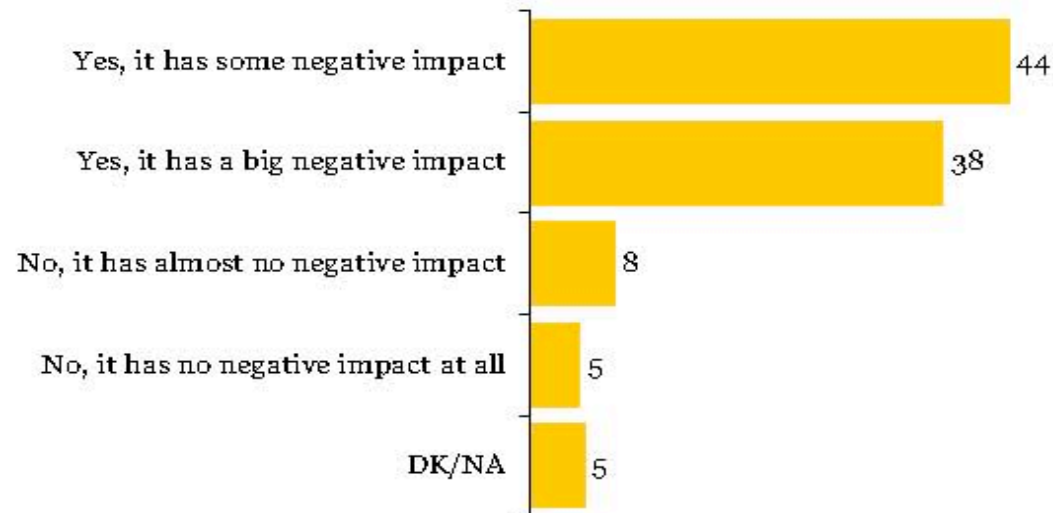
ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)



Awareness of energy production and consumption has a negative impact on climate change and global warming

Flash Eurobarometer 206a – The Gallup Organization, Hungary



Q2. Do you think the way we in [COUNTRY] produce and consume energy has a negative impact on climate change and global warming?
%, Base: all respondents

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

**Do you think that Climate
Change concerns also the
architects' work ?**

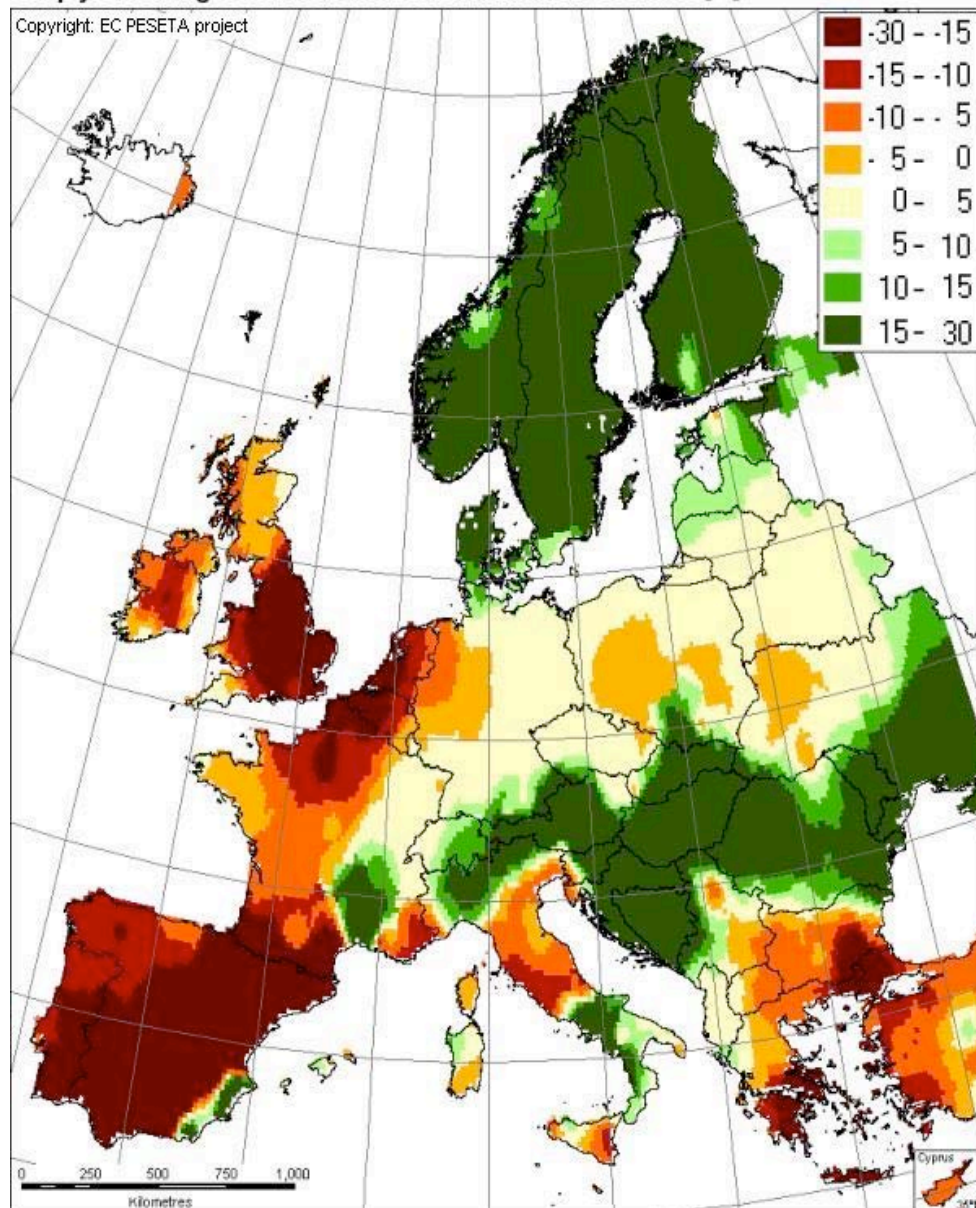
..... Some scenarios

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

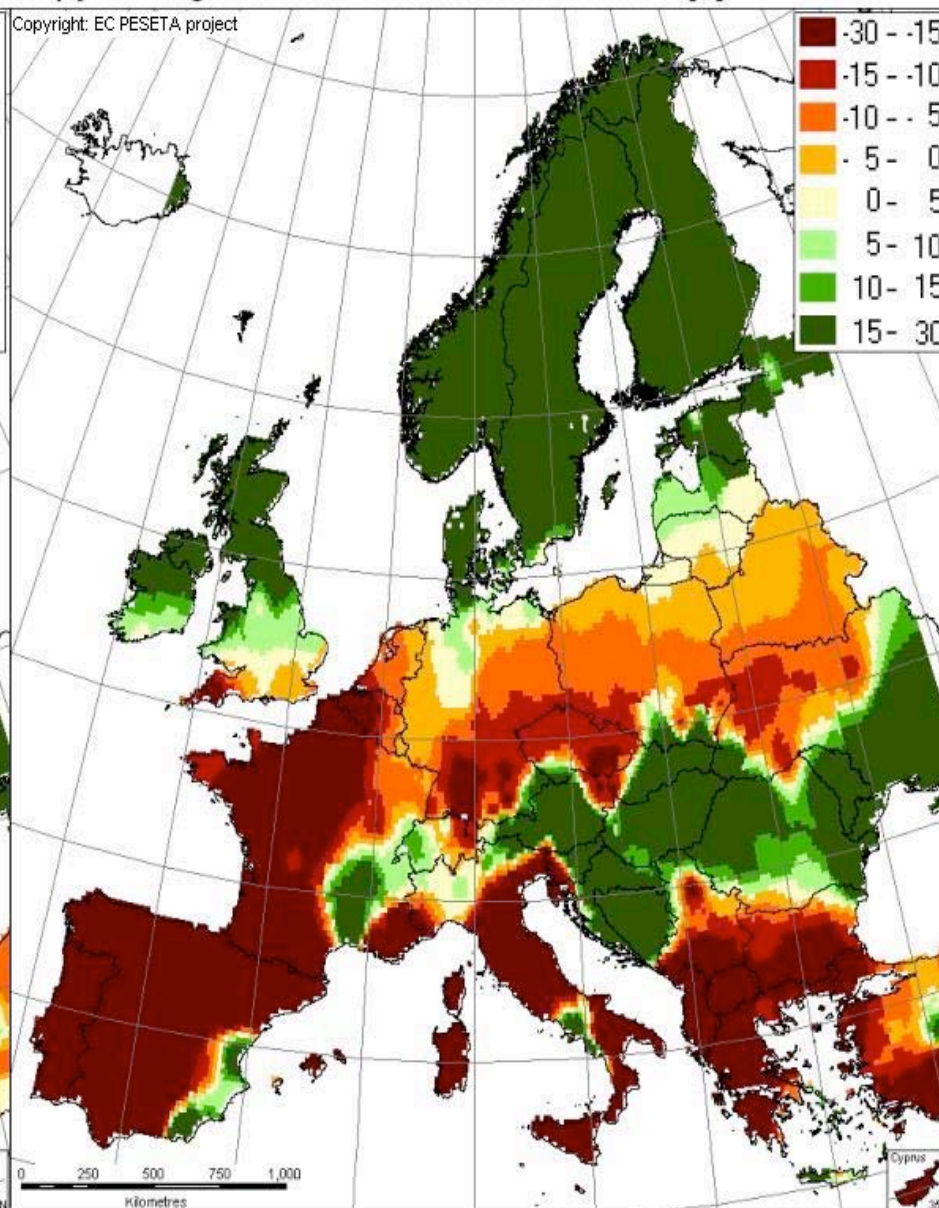
Crop yield changes under the HadCM3/HIRHAM A2 scenario [%]

Copyright: EC PESETA project



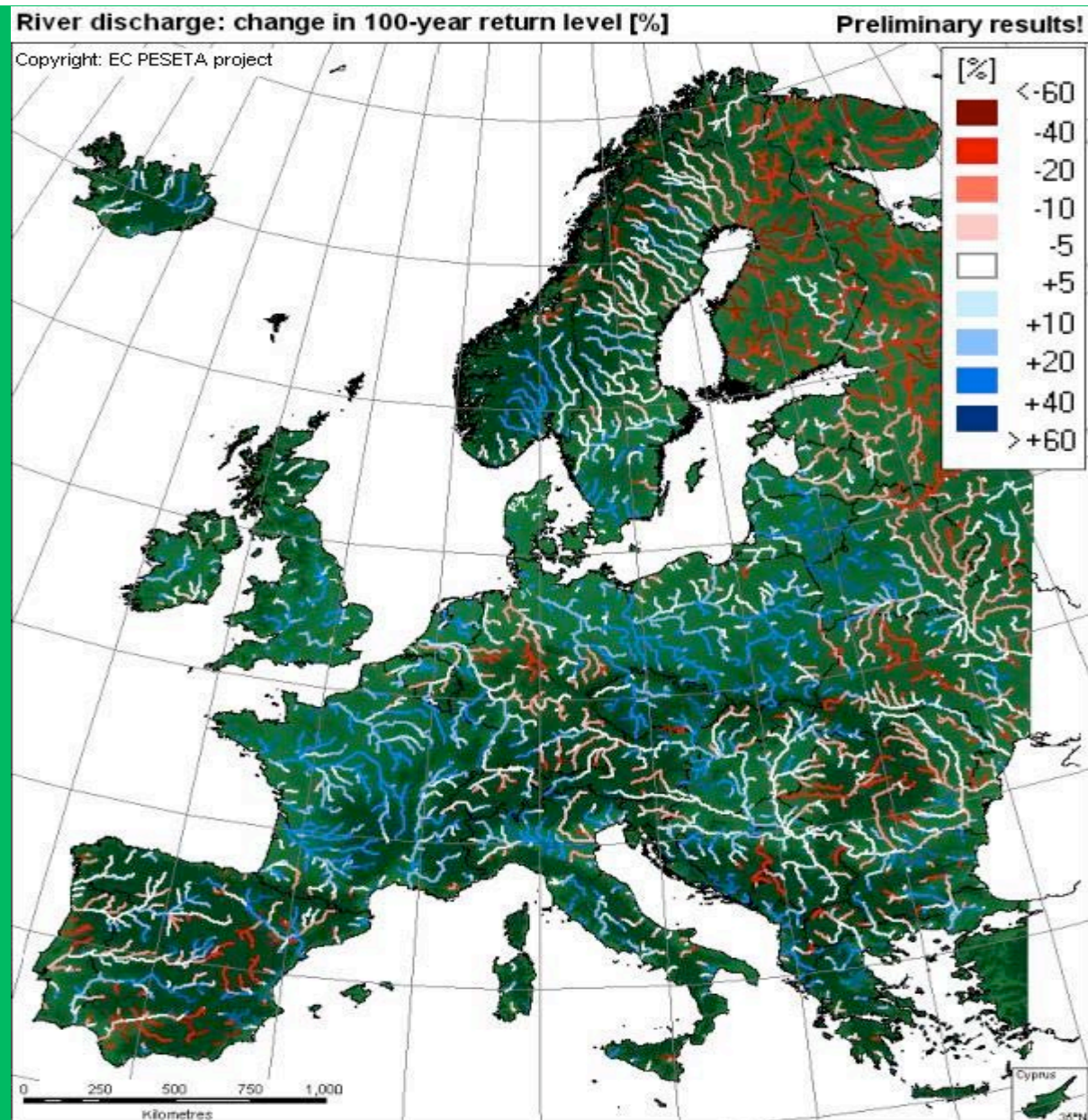
Crop yield changes under the ECHAM4/ RCA3 A2 scenarios [%]

Copyright: EC PESETA project



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

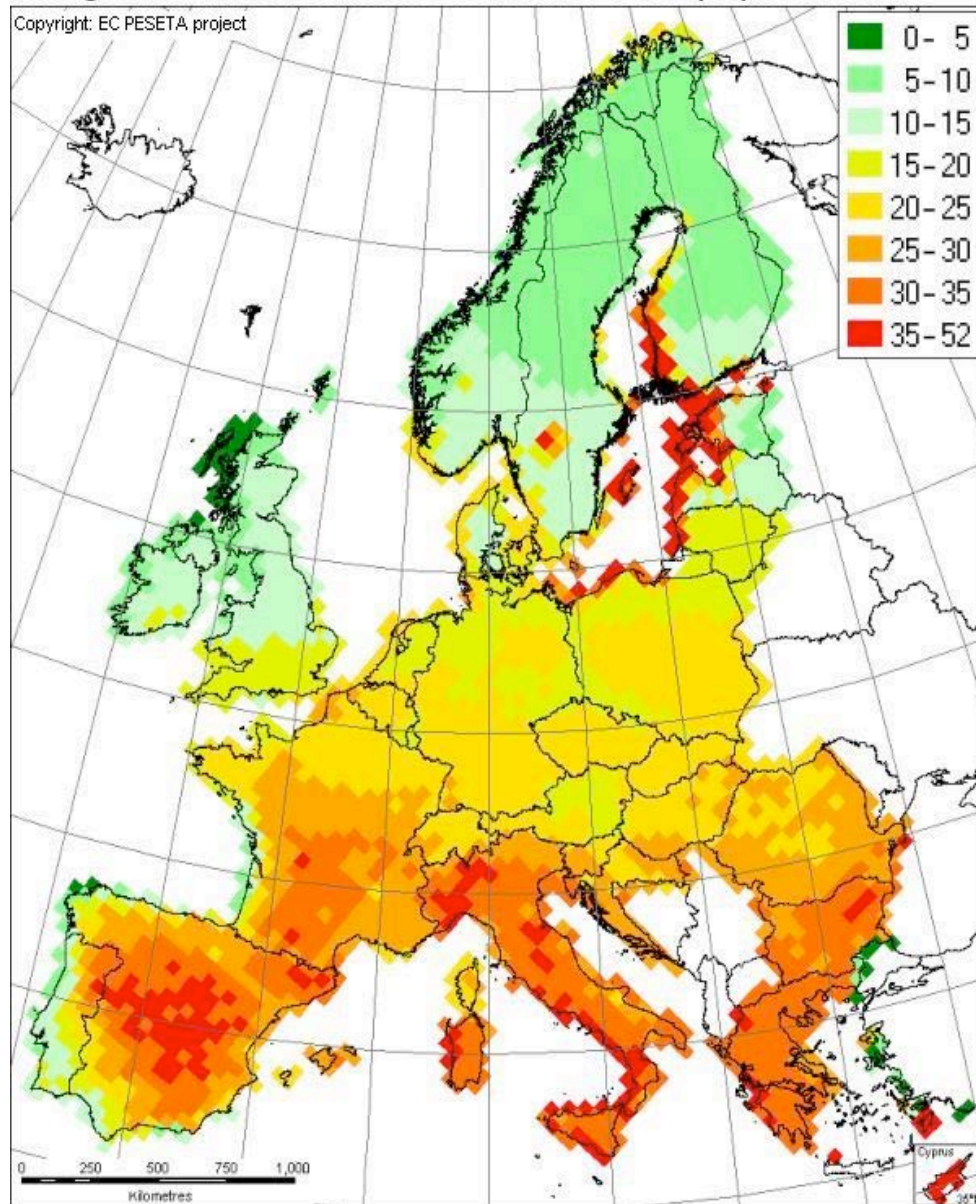


ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

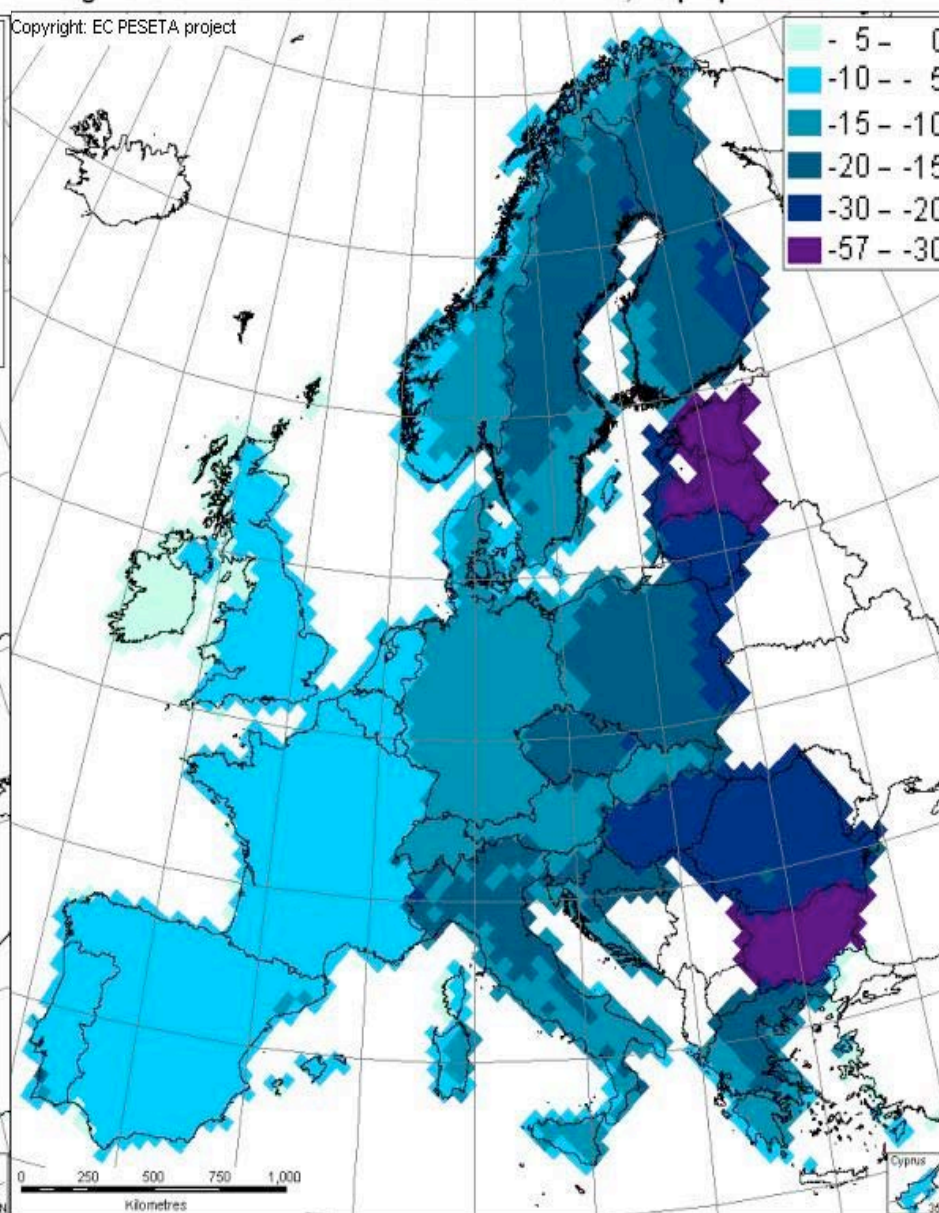
Average annual differences in heat-related deaths / 100,000 people for 2071-2100

Copyright: EC PESETA project



Average annual differences in cold-related deaths / 100,000 people for 2071-2100

Copyright: EC PESETA project

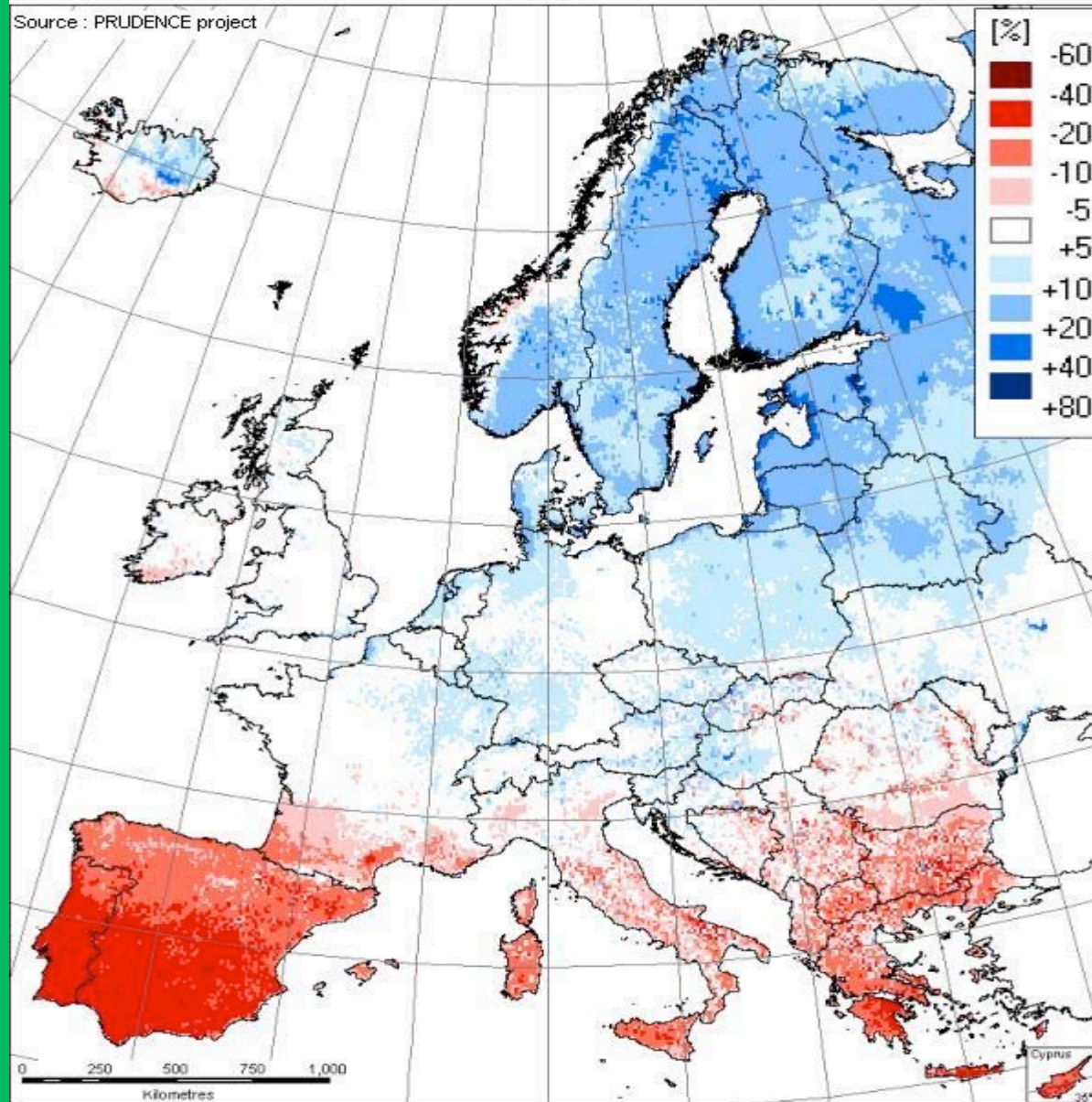


ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

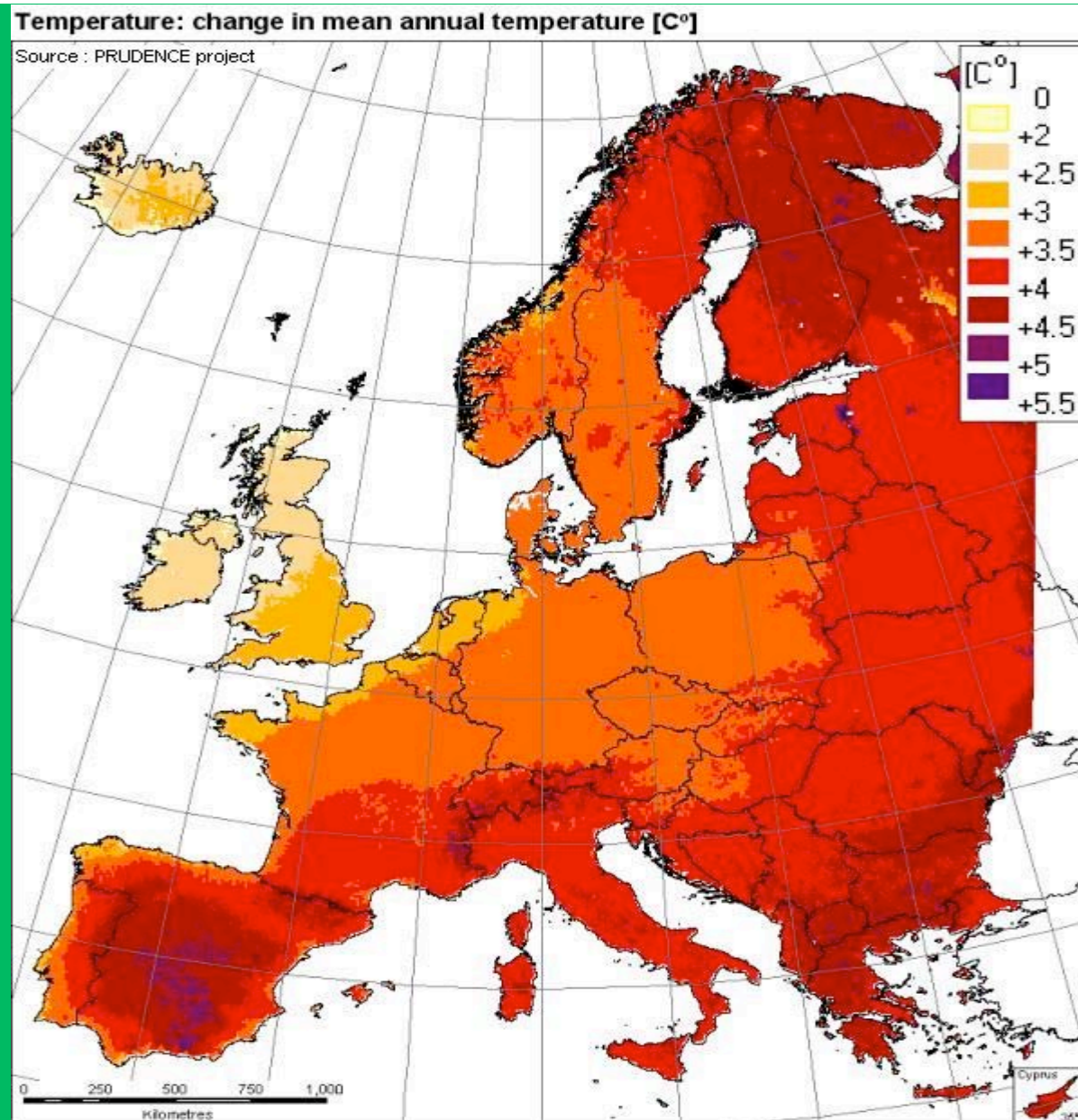
Precipitation: change in annual amount [%]

Source : PRUDENCE project



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

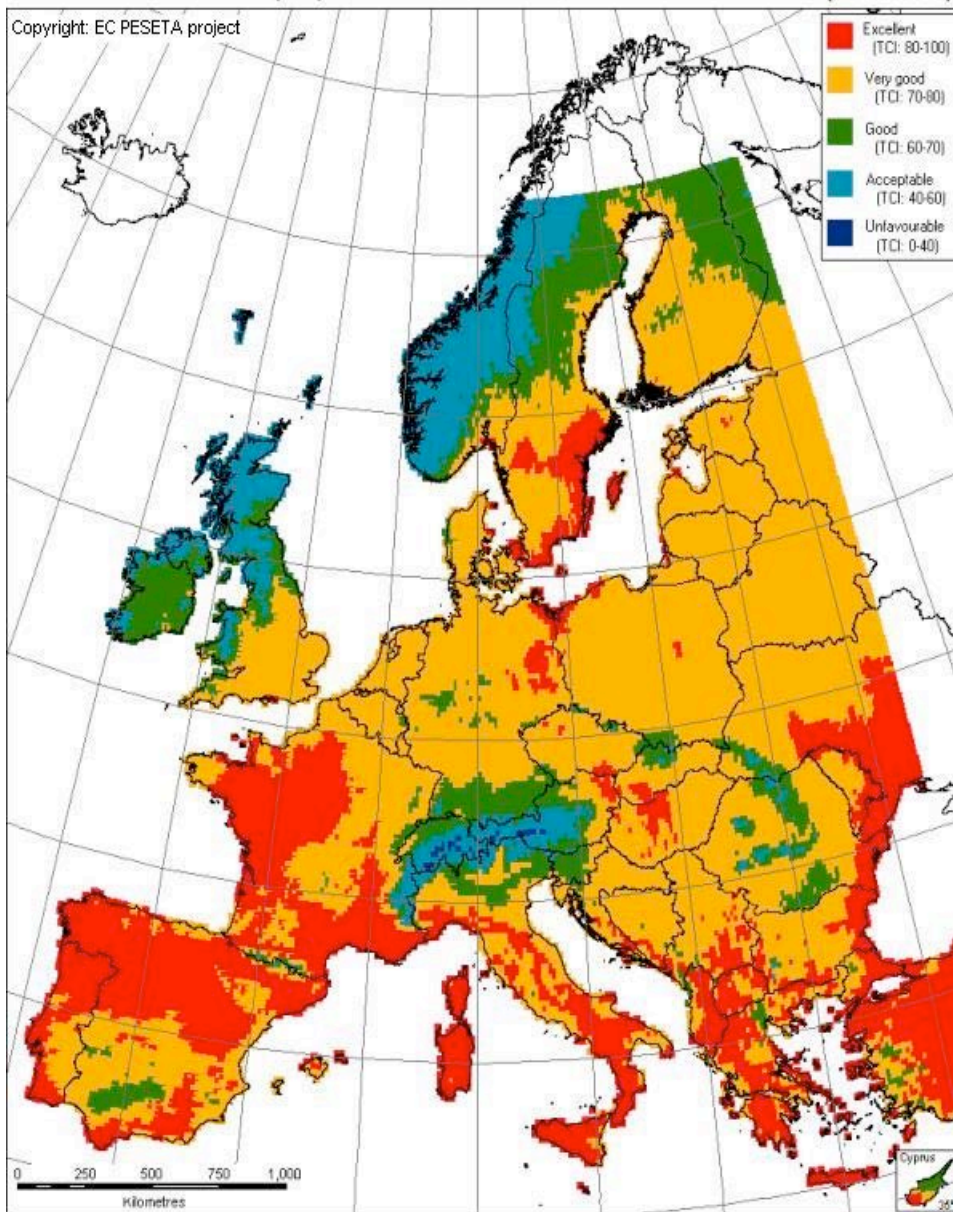


ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

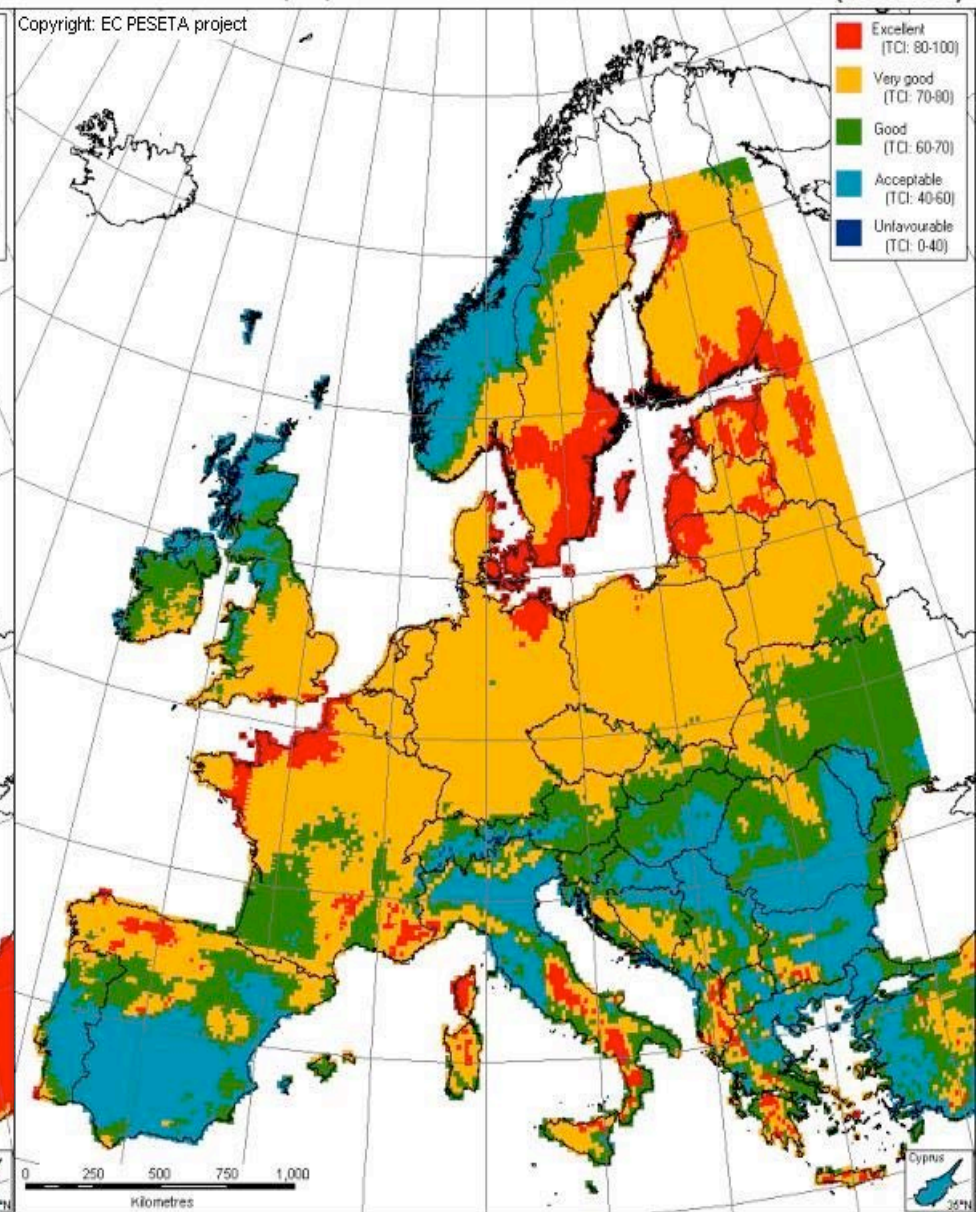
Tourism Climate Index (TCI)

Copyright: EC PESETA project



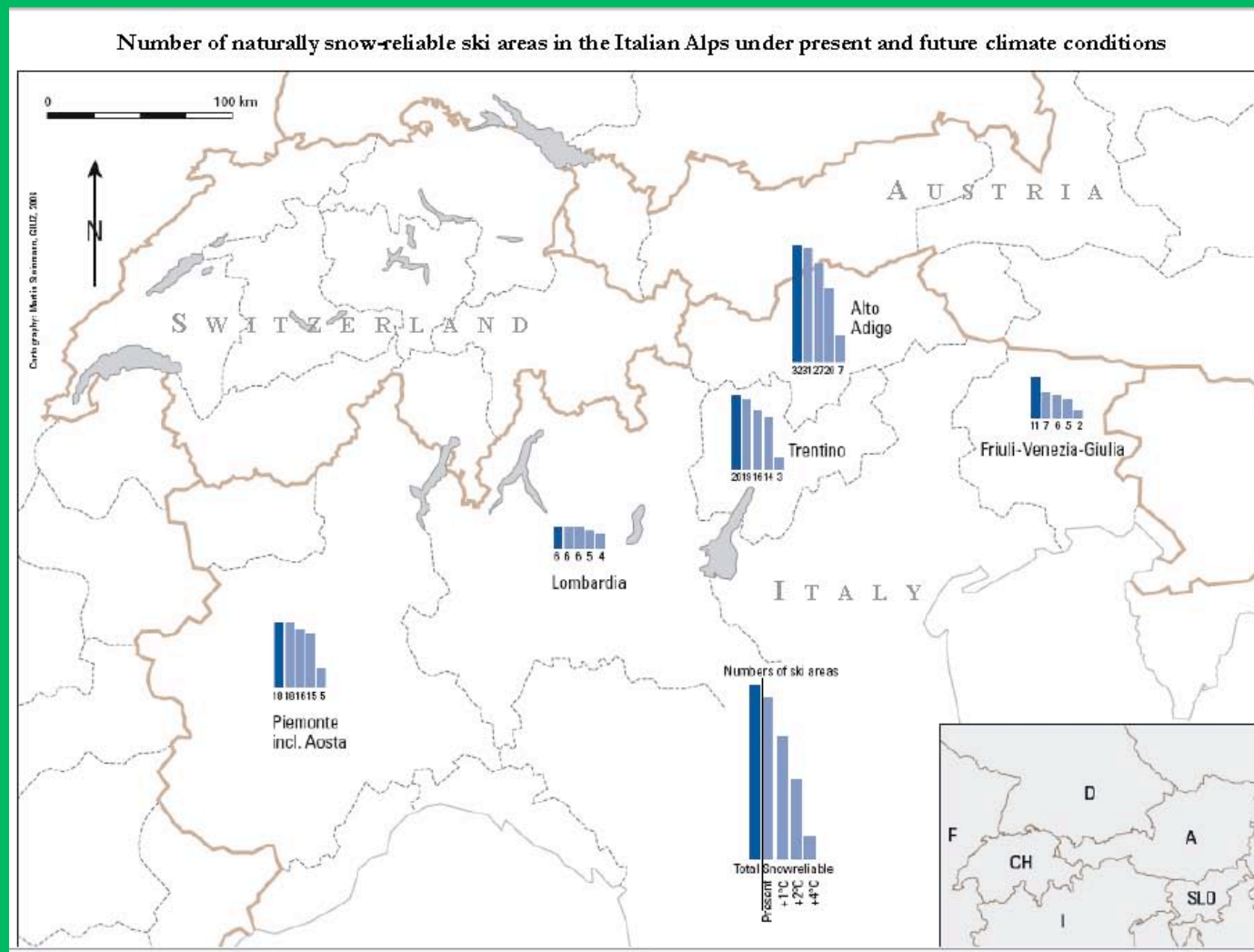
(1961-1990) Tourism Climate Index (TCI)

Copyright: EC PESETA project



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)



Source: OECD study on the Italian ski areas

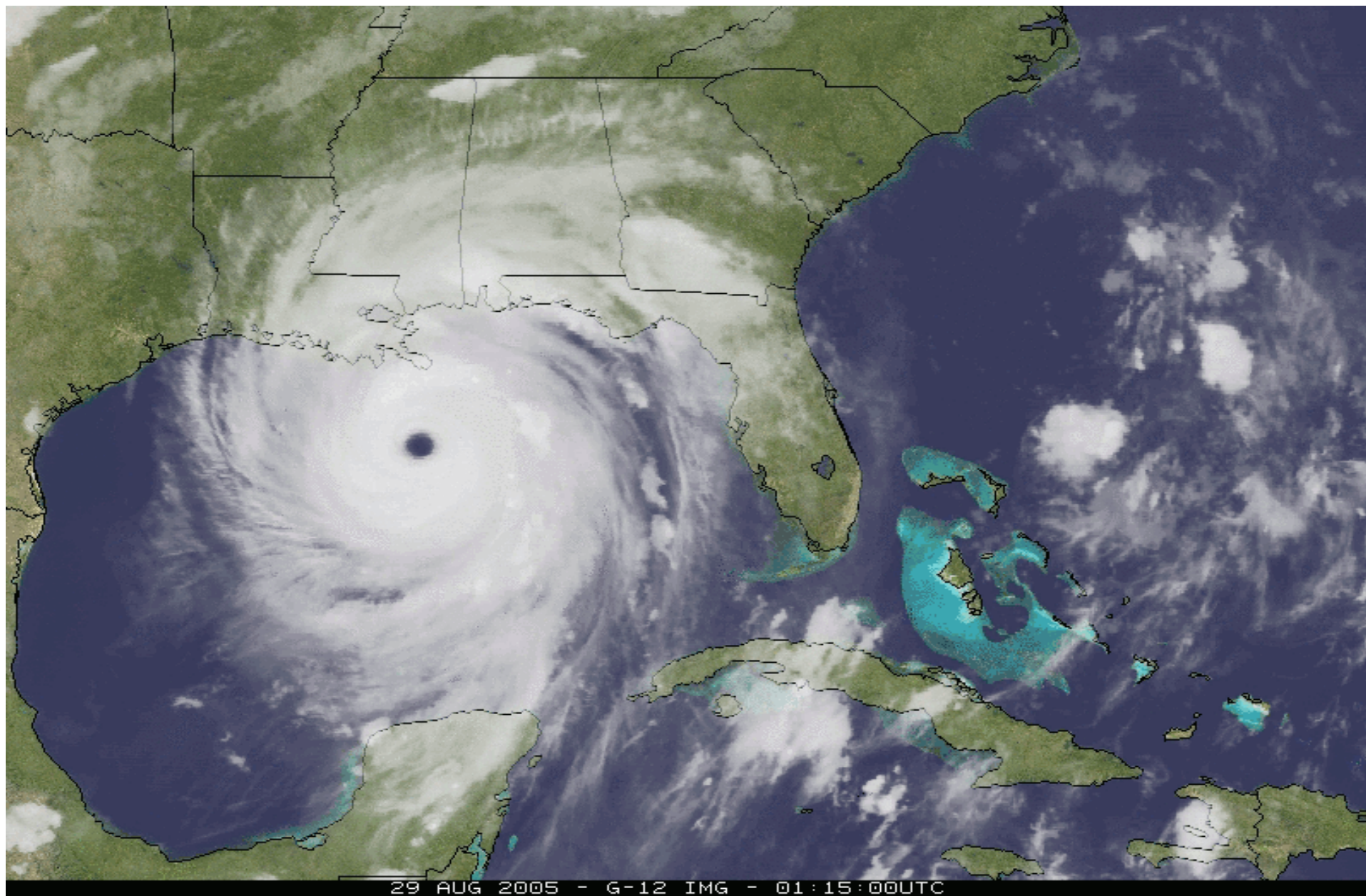
ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

CLIMATE CHANGE AND EXTREME EVENTS

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

Gli effetti del “passaggio” di Katrina su New Orleans e Biloxi



(COURTESY BRANDON JENNINGS)



(COURTESY BRANDON JENNINGS)

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

Una breve rassegna di eventi estremi...in Europa

Berna, Ago 2005



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

Una breve rassegna di eventi estremi...in Europa

Bayern, Ago 2005



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

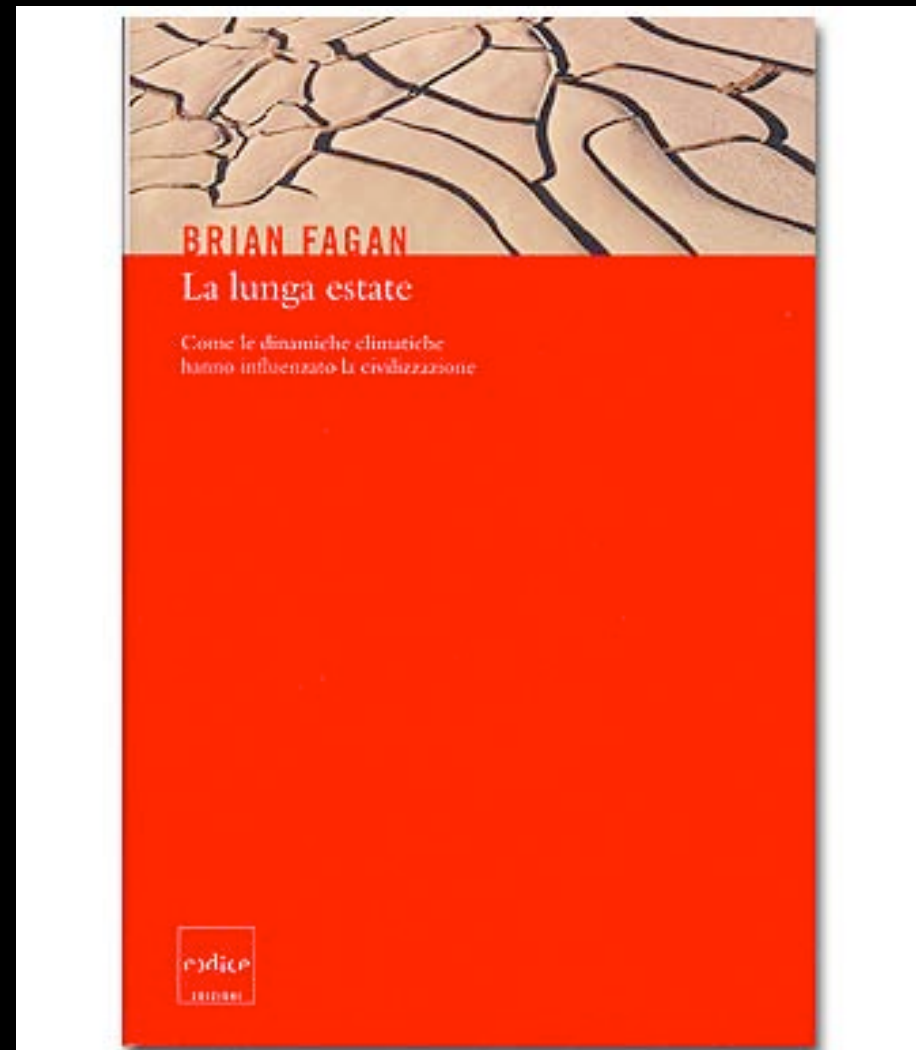
Una breve rassegna di eventi estremi... ondate di caldo



ACE General Assembly

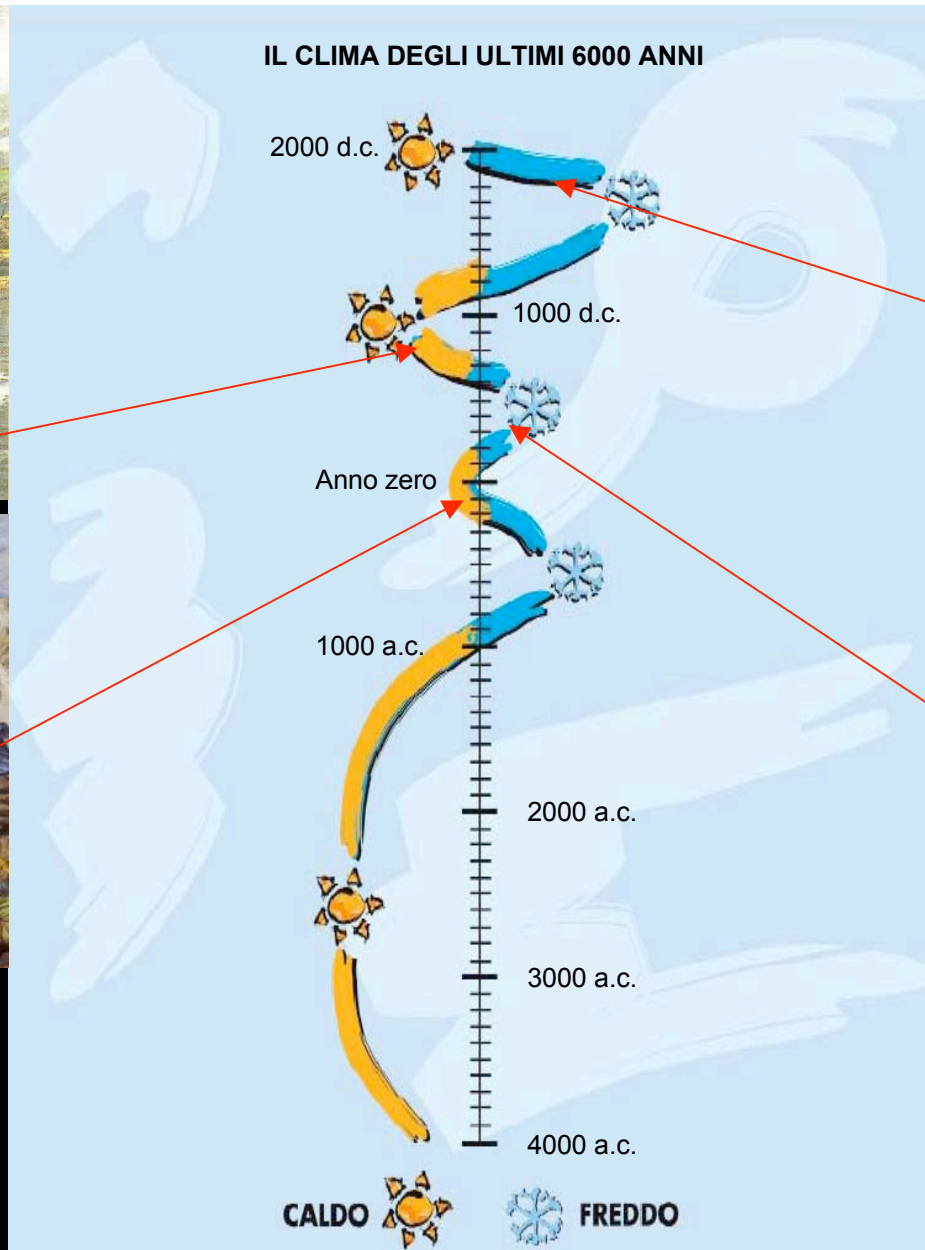
Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

THE HISTORY OF CIVILISATION LIKE THE HISTORY OF CLIMATE



ACE General Assembly

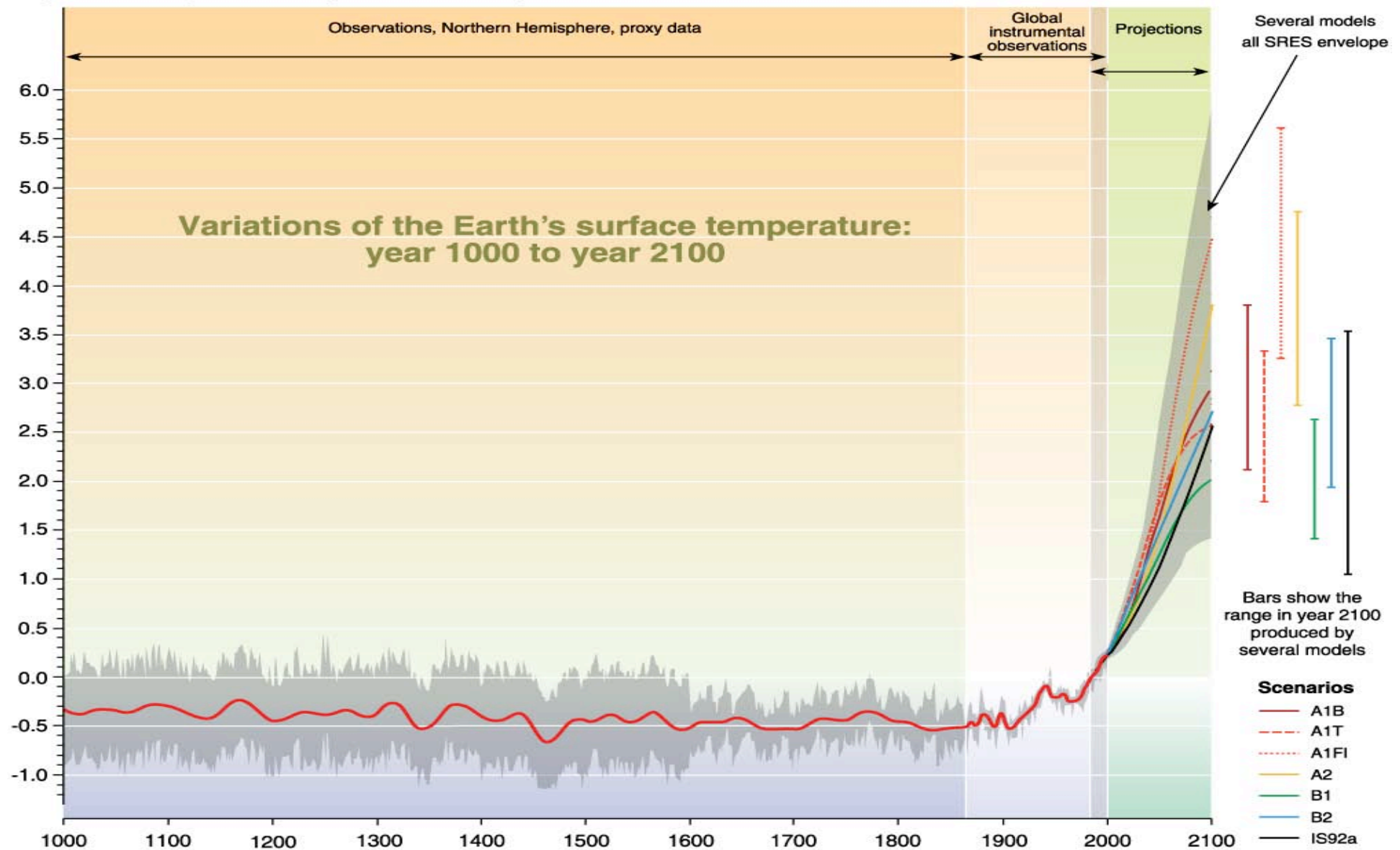
Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

Departures in temperature in °C (from the 1990 value)



ACE General Assembly

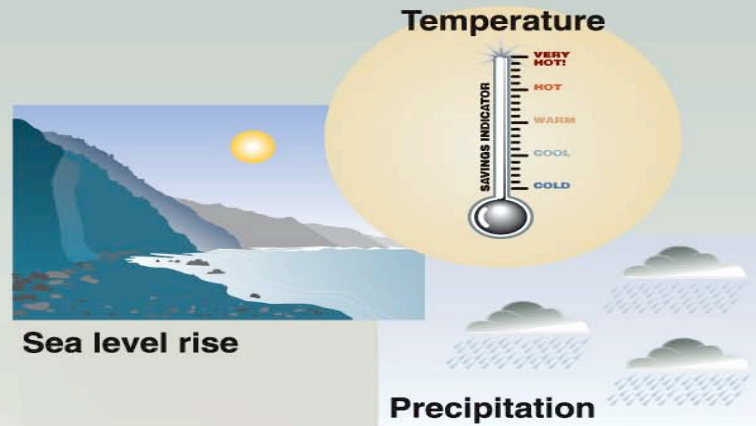
Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

WHAT IS THE IMPACT OF THE CLIMATE CHANGE...?

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

Potential climate changes impact



Impacts on...

Health



Weather-related mortality
Infectious diseases
Air-quality respiratory illnesses

Agriculture



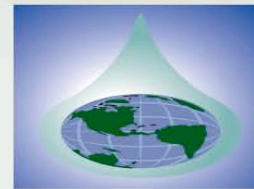
Crop yields
Irrigation demands

Forest



Forest composition
Geographic range of forest
Forest health and productivity

Water resources



Water supply
Water quality
Competition for water

coastal areas



Erosion of beaches
Inundation of coastal lands
additional costs to protect coastal communities

Species and natural areas



Loss of habitat and species
Cryosphere: diminishing glaciers

WHAT WE CAN DO AS ARCHITECTS....?

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

**AS ARCHITECTS
(PLANNER, ETC.)
WE CAN HELP THE
EUROPEAN TERRITORY,
LANDSCAPES,
CITIES, (AND THEIR
CITIZENS) TO BUILT
ADEQUATE
STRATEGIES OF
MITIGATION
AND
STRATEGIES OF
ADAPTATION**



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

IT'S LATE AND I AM CLOSING MY PRESENTATION



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

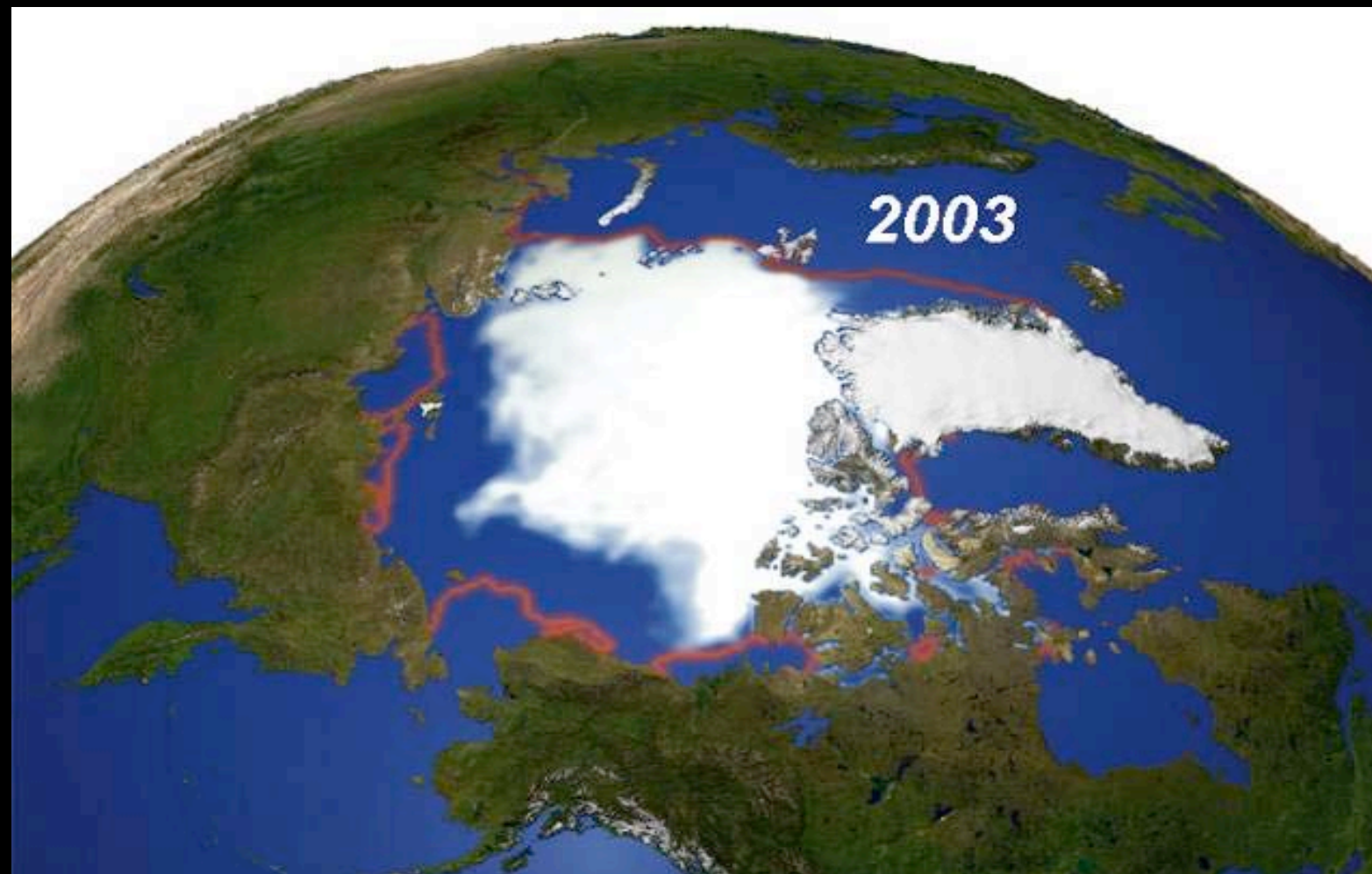
**CLIMATE CHANGE IS A
FACT !**

AND IS A FACT NOW !

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

MELTING GLACIERS



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

MELTING GLACIERS



--- Minimum extent
of ice cover 2005

— Median minimum extent
of ice cover (1979-2000)

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)

**WE MUST
ACT NOW
BECAUSE**

**“One generation
plants a tree;
the next
generation gets
the shade.”**

Chinese Proverb



ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)



Thank you

maurolatini@fastwebnet.it

ACE General Assembly

Bruxelles 1 dec 2007 – Mauro Latini (CNAPPC)