

Welcome to the 17th edition of the

Dark Side of the Universe

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Dark Side of the Universe

**Keith Olive on behalf of
the
DSU Steering Committee**

On behalf of the DSU Steering Committee :

- Pyungwon Ko (KIAS, South Korea)
- Carlos Muñoz (IFT UAM-CSIC, Spain)
- Keith Olive (Minnesota University, USA)
- Shaaban Khalil (Zewail City of Science and Technology, Egypt)
- Csaba Balazs (Monash University, Australia)
- David Delepine (Guanajuato University, Mexico)
- Yu-Feng Zhou (KITPC/ITP-CAS, China)
- Paolo Salucci (SISSA, Italy)
- Peter Dunsby (Cape Town University, South Africa),
- Fumihiro Takayama (YITP, Japan)
- Joern Kersten (Bergen University, Norway)
- Genvieve Belanger (LAPP, Annecy, France)
- Daniel Lopez-Fogliani (Buenos Aires, Argentina)
- Jan Hamann (UNSW, Sydney, Australia)
- Qaisar Shafi (Delaware University, USA)
- Yann Mambrini (LPT Orsay, France)

HISTORY OF DSU

HISTORY OF **DSU**

In order to solve all the mysteries of the Universe:

dark matter, dark energy, cosmic rays, neutrino masses,
physics beyond the standard model,...

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we started this long journey in
Seoul and by now

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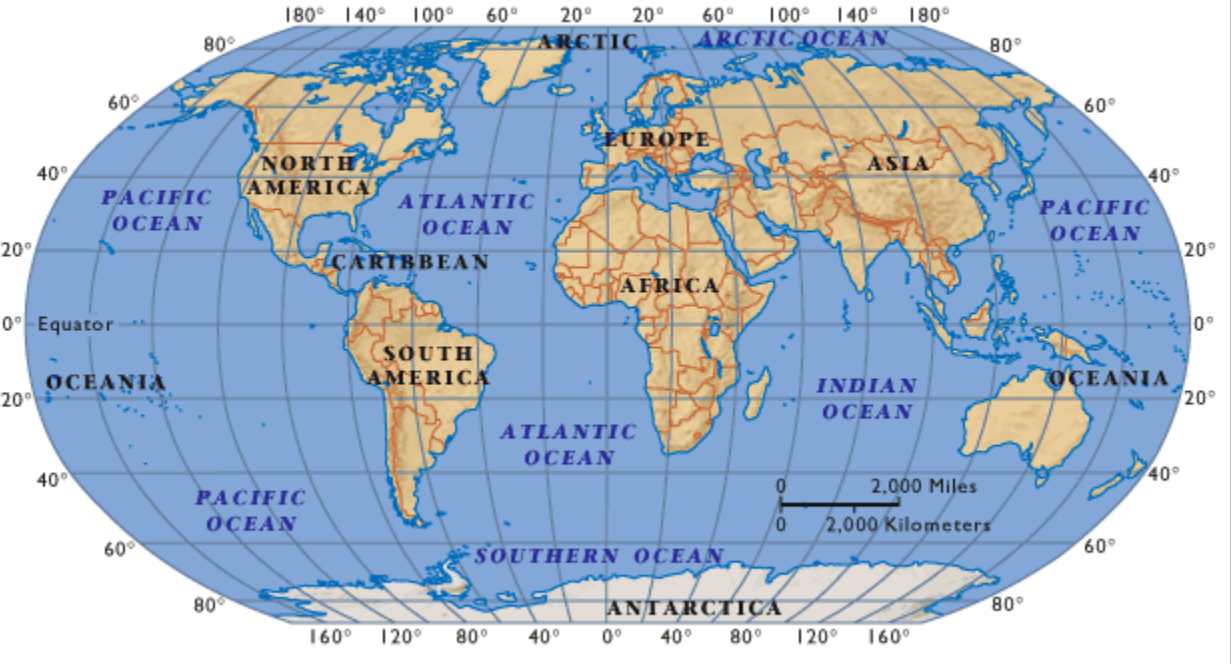
we started this long journey in
Seoul and by now

> 1600

(different) participants

DSU

The World

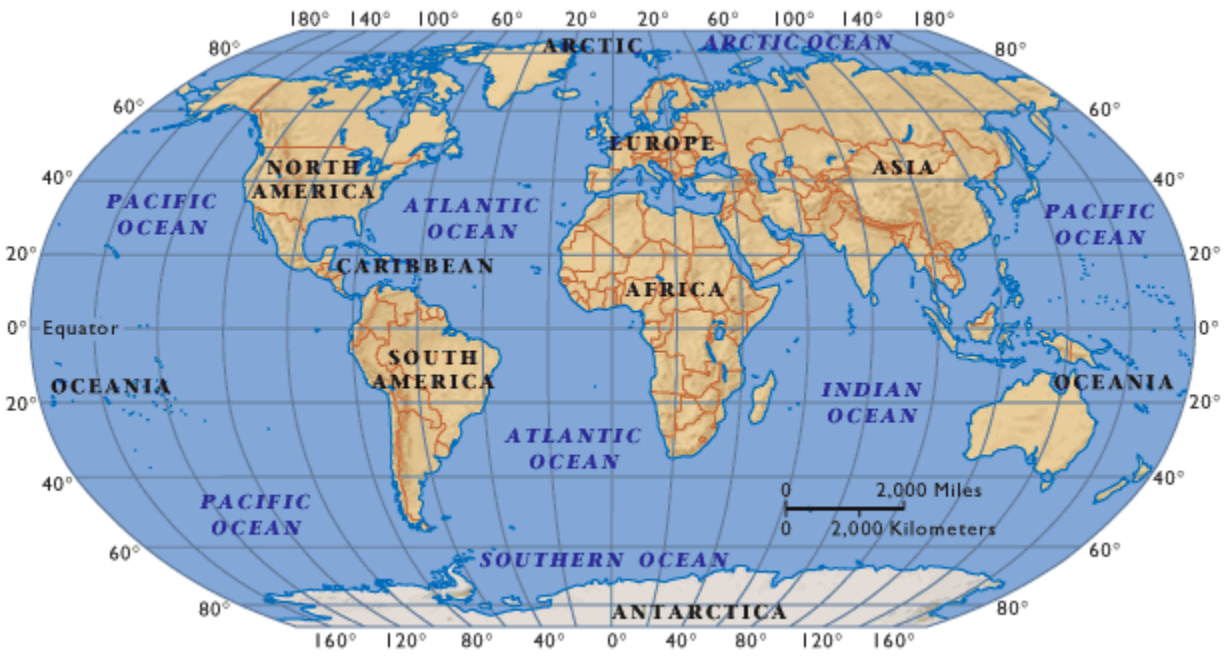


Seoul 2005



SURVIVORS OF THE WORKSHOP PREPARED TO ENTER IN THE DARK SIDE OF THE UNIVERSE

The World



Seoul 2005



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Madrid 2006



Seoul 2005



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Seoul 2005



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Minneapolis 2007



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Minneapolis 2007



Madrid 2006



Seoul 2005



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Minneapolis 2007



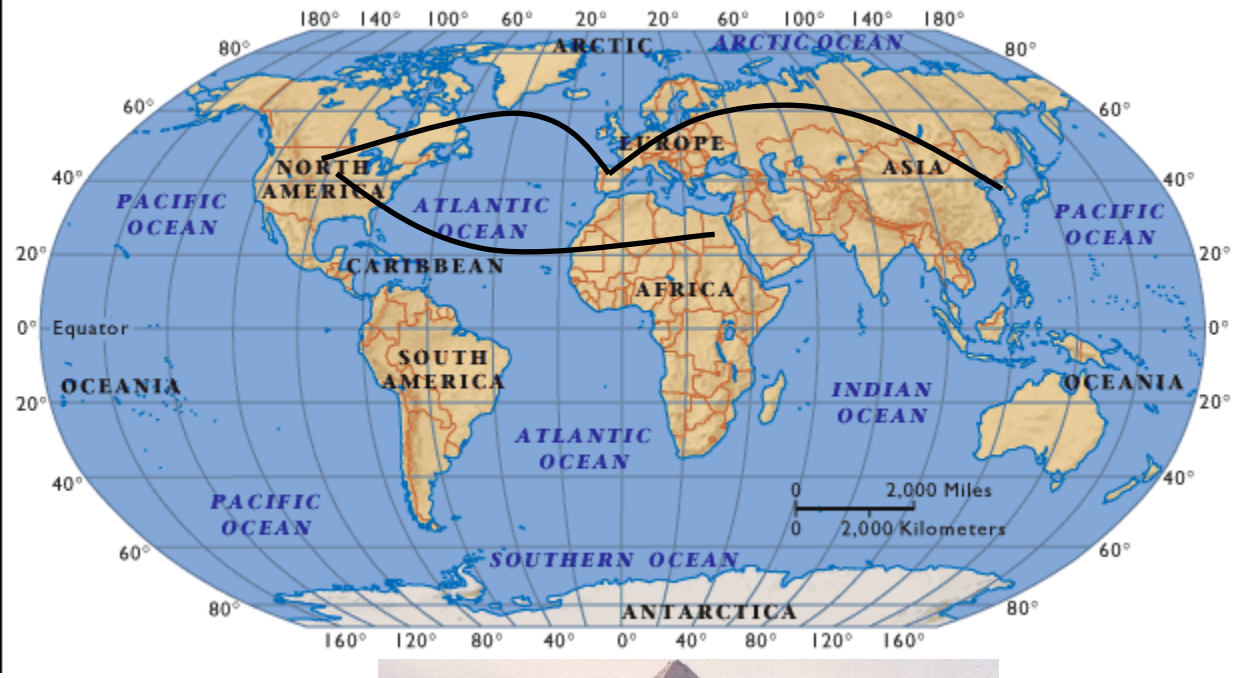
Madrid 2006



Seoul 2005



The World



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Cairo 2008



Minneapolis 2007



Madrid 2006



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Cairo 2008



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Cairo 2008



Melbourne 2009



Minneapolis 2007



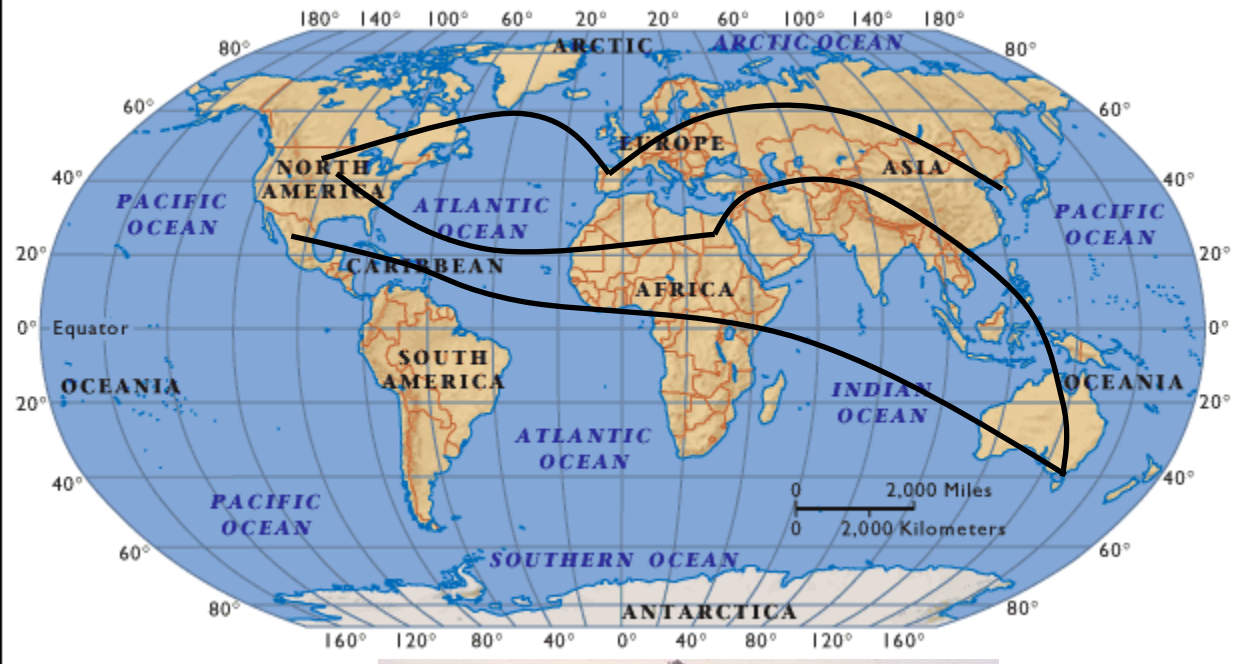
Madrid 2006



Seoul 2005



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Cairo 2008



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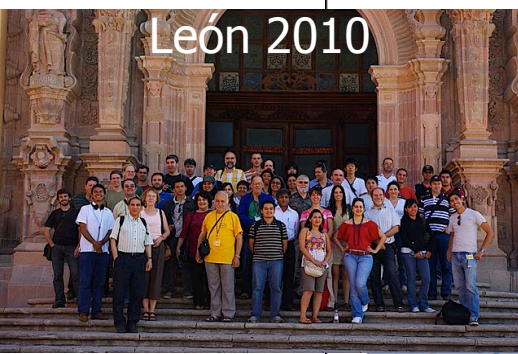


Seoul 2005



The World

León 2010



Cairo 2008



Melbourne 2009



Minneapolis 2007



Madrid 2006

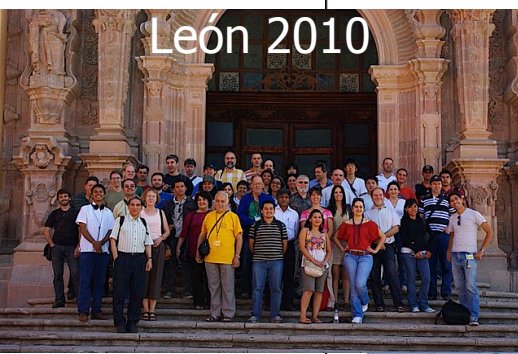


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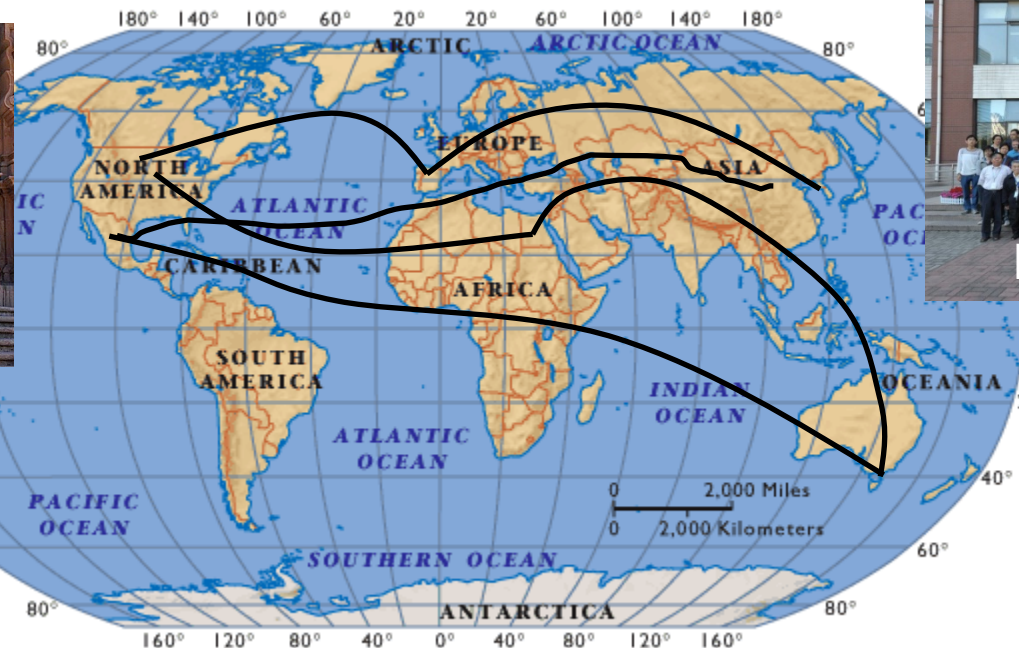


Seoul 2005



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Madrid 2006

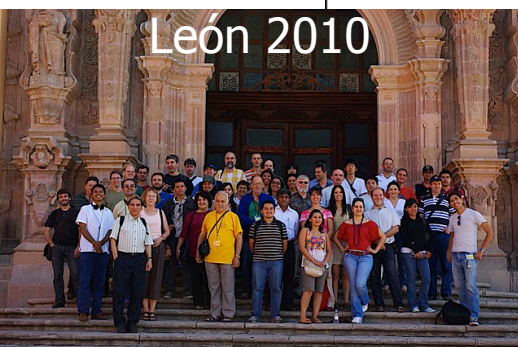


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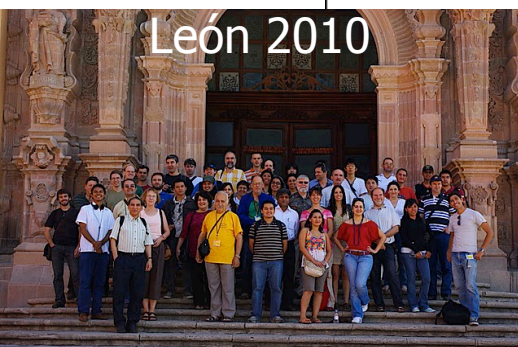


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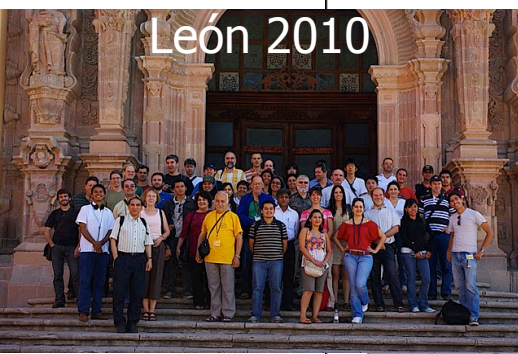
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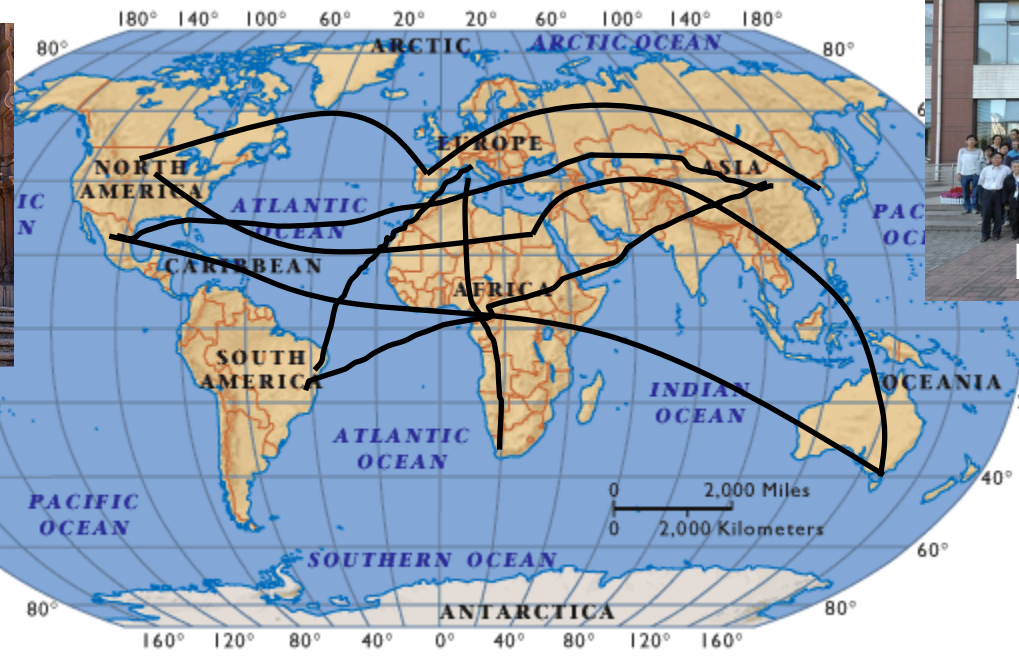
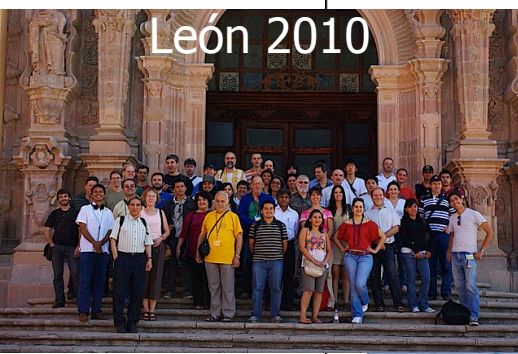


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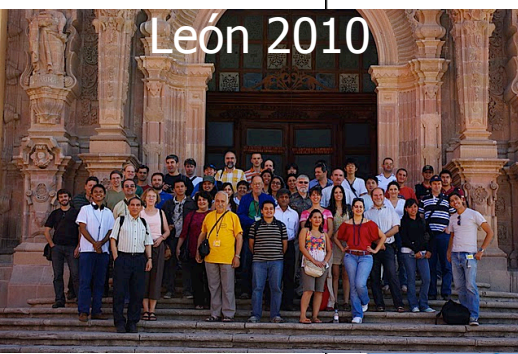


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2014



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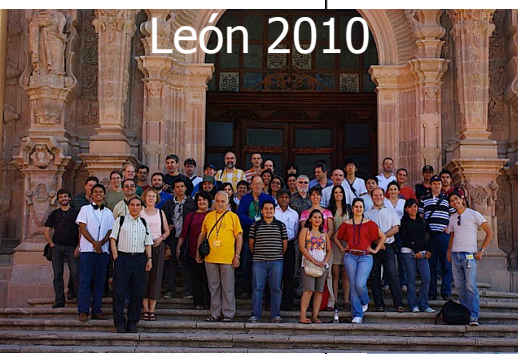


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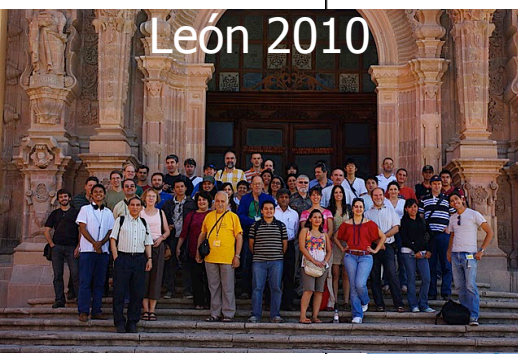


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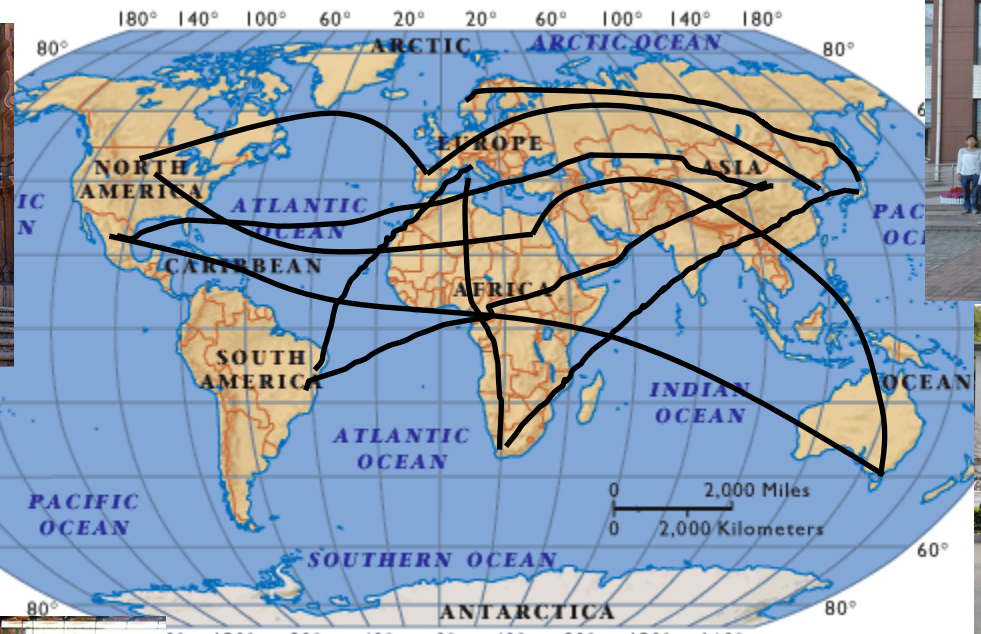
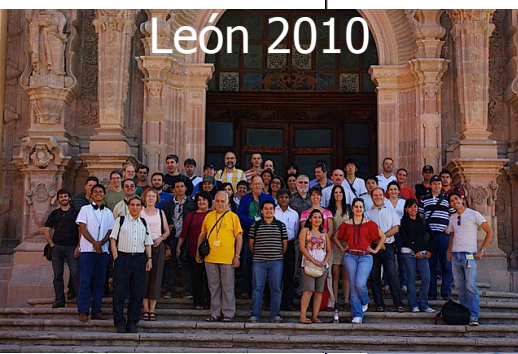


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2014



Cairo 2008



Bergen 2016



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Trieste 2013



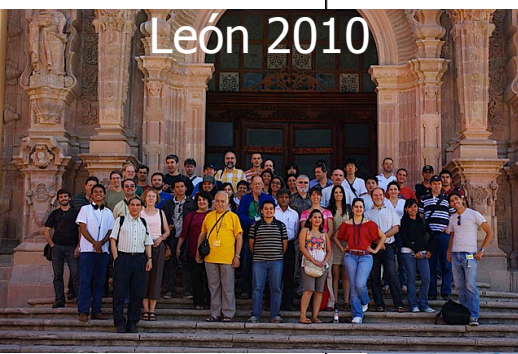
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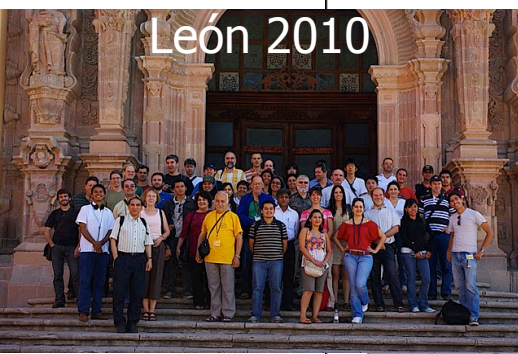
Trieste 2013



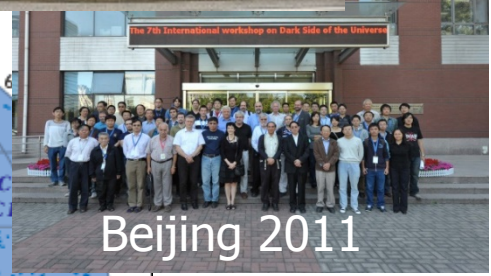
Daejeon 2017

Seoul 2005

The World



León 2010



Beijing 2011



Buzios 2012



Kyoto 2015



Bergen 2016



Cape Town 2014



Cairo 2008



Melbourne 2009



Minneapolis 2007



Madrid 2006



Trieste 2013

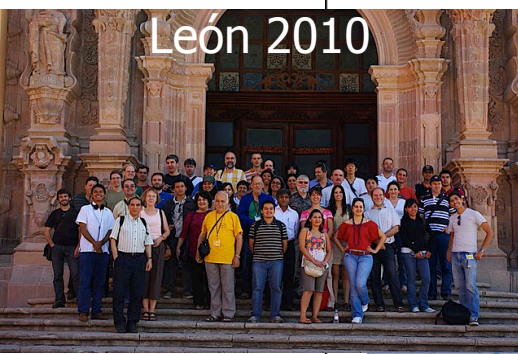


Daejeon 2017



Seoul 2005

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Madrid 2006



Annecy 2018



Trieste 2013

Seoul 2005



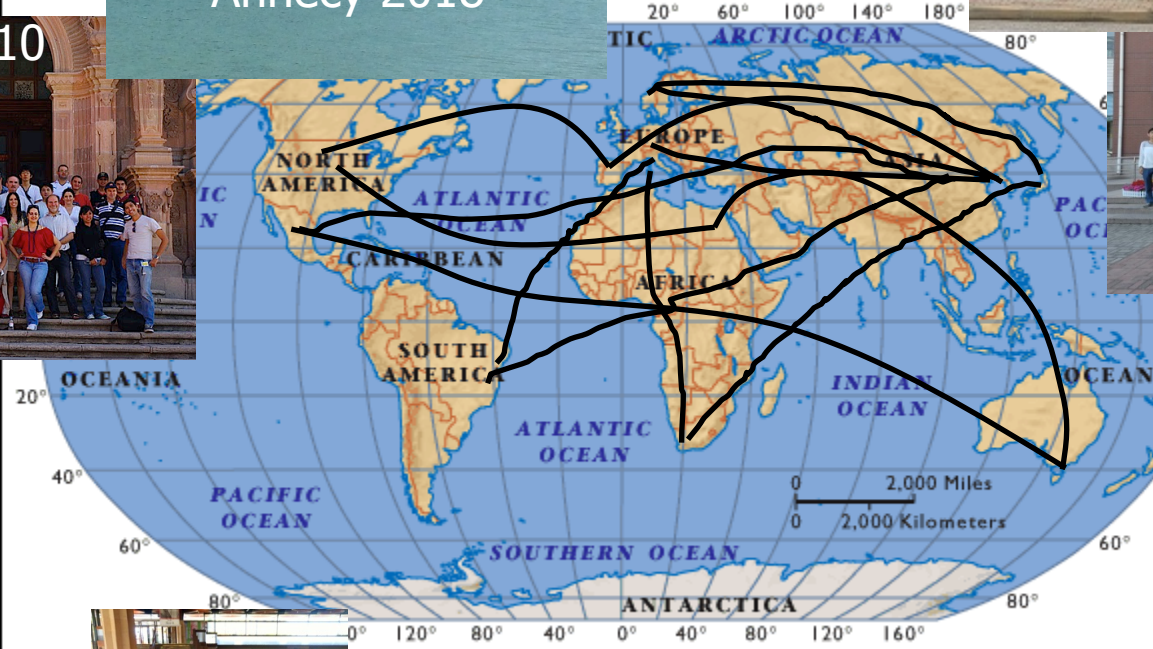
Daejeon 2017



León 2010



Buzios 2012



Beijing 2011



Kyoto 2015



2014



Cape Town

Cairo 2008



Melbourne 2009



Bergen 2016





Madrid 2006



Annecy 2018



Trieste 2013

Seoul 2005



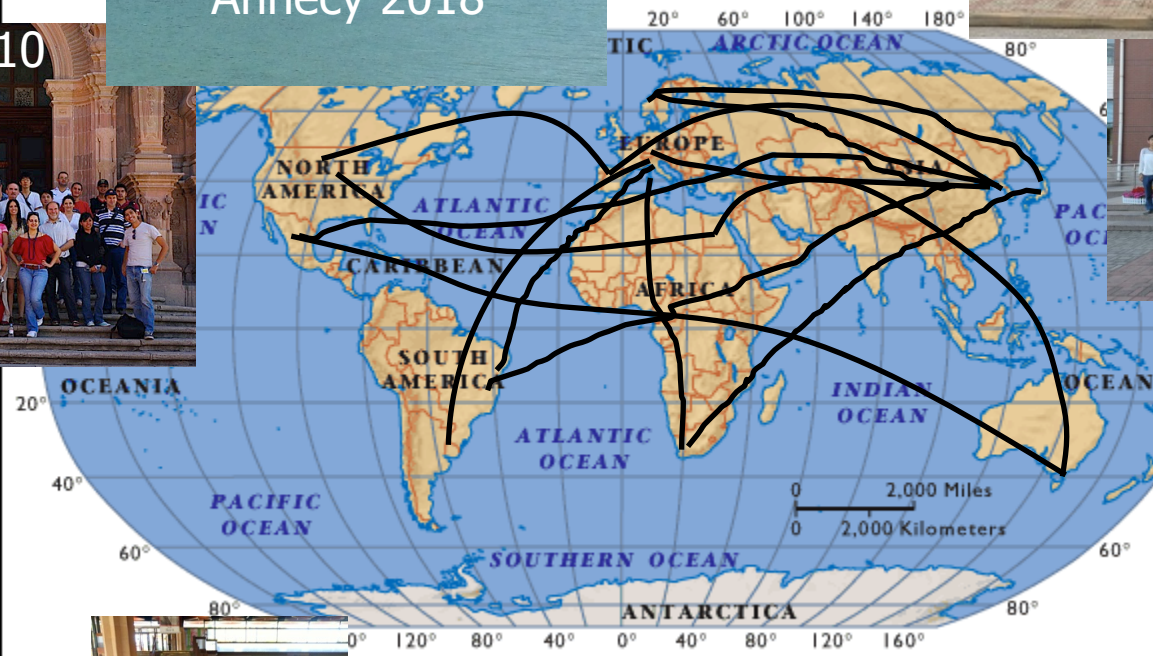
Daejeon 2017



León 2010



Buzios 2012



Beijing 2011



Kyoto 2015



2014

Cape Town



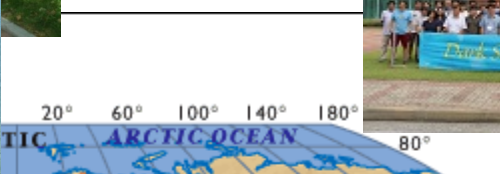
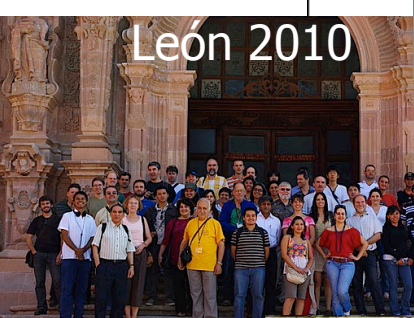
Cairo 2008

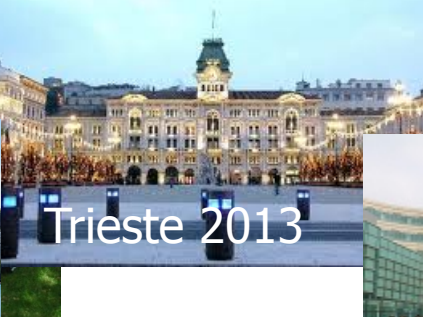
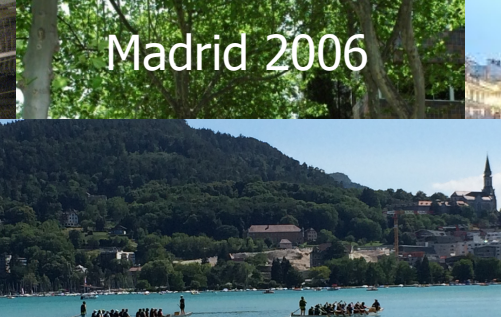


Melbourne 2009

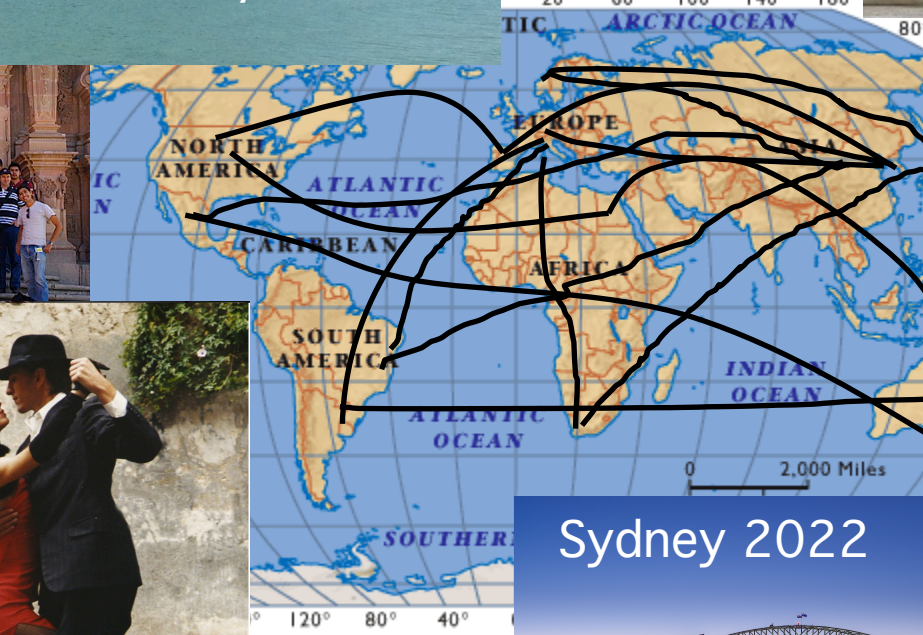
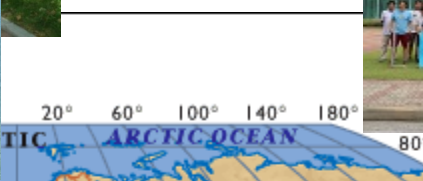
Bergen 2016

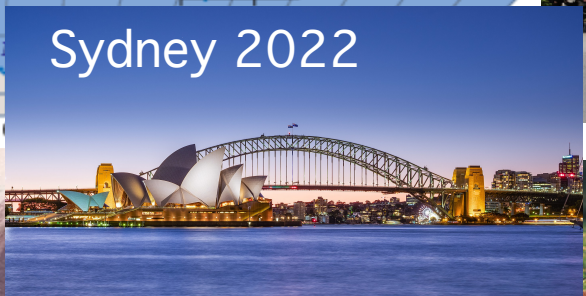
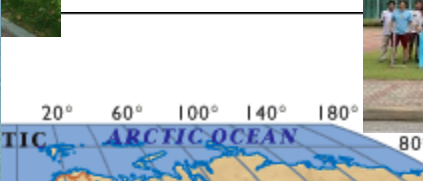
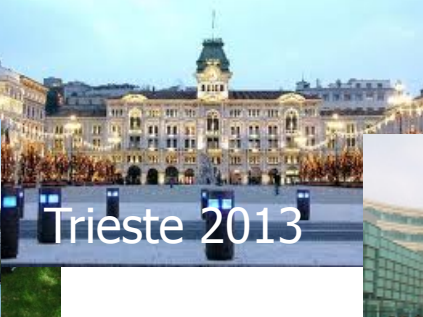






The





DARK SIDE OF THE UNIVERSE

17th International Conference

10 - 14 July 2023

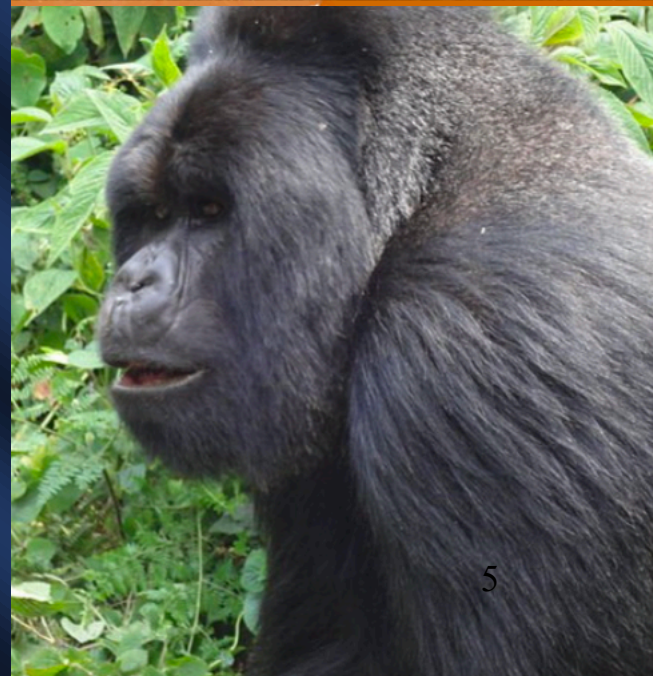
ICTP-EAIFR, Kigali, Rwanda

A series of international workshops in cosmology and astroparticle physics bringing together theorists and experimentalists.

WEBPAGE: <https://eaifr.org/events/dsu-2023/>

TOPICS INCLUDE:

- dark matter
- dark energy
- cosmic rays
- neutrino physics
- large-scale structure
- black holes
- gravitational waves
- physics beyond the standard model



The 17th International Conference on the DARK SIDE OF THE UNIVERSE

TOPICS INCLUDE:
Dark Matter
Dark Energy
Cosmic Rays
Neutrino Physics
Cosmology
BSM Physics

DSU Steering Committee :

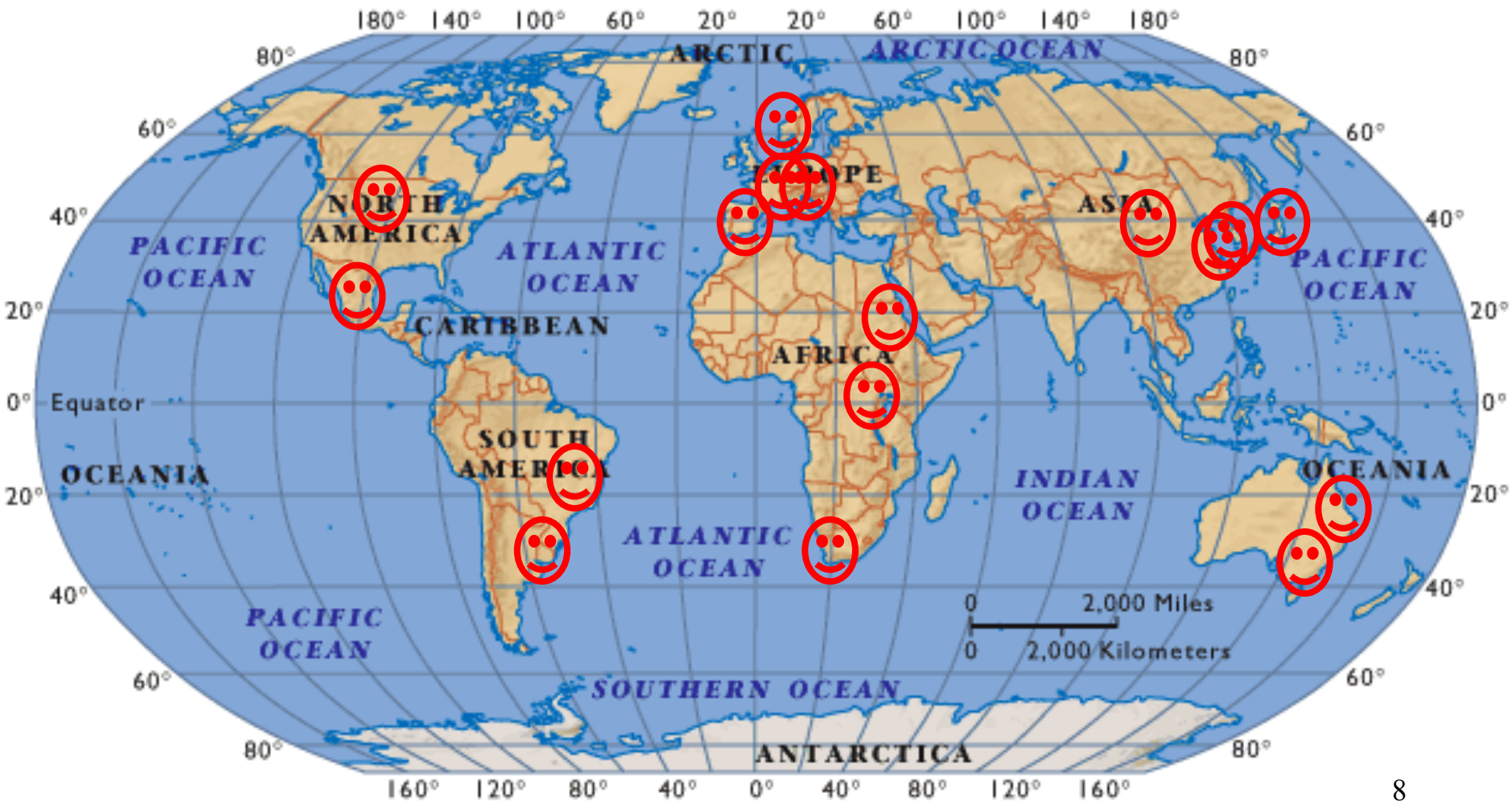
- Pyungwon Ko (KIAS, South Korea)
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- Shaaban Khalil (Zewail City of Science and Technology, Egypt)
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The 17th International Conference on the DARK SIDE OF THE UNIVERSE

Local Organizing Committee :

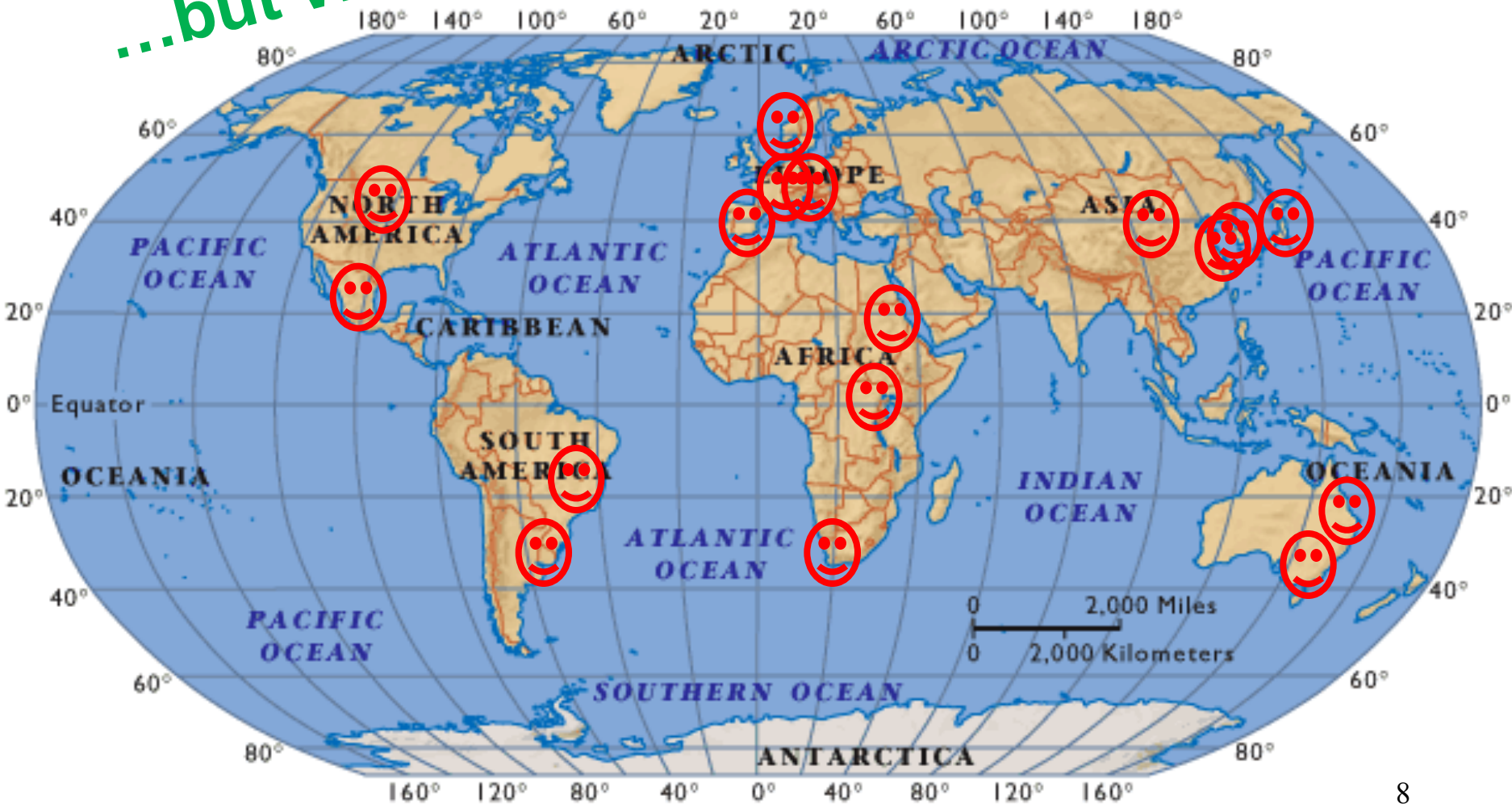
- Joern KERSTEN (University of Bergen)
- Roy MARTEENS (University of Western Cape)
- Shoaib MUNIR (EAI FR, Rwanda)
- Marcello MUSSO (University of Salamanca)
- Riccardo STURANI (SAIFR, Brazil)
- Filippo VERNIZZI (IPhT, Saclay)
- Gabrijela ZAHARIJAS (University of Nova Gorica)
- ICTP Scientific Contact: Paolo Creminelli (ICTP)

The World



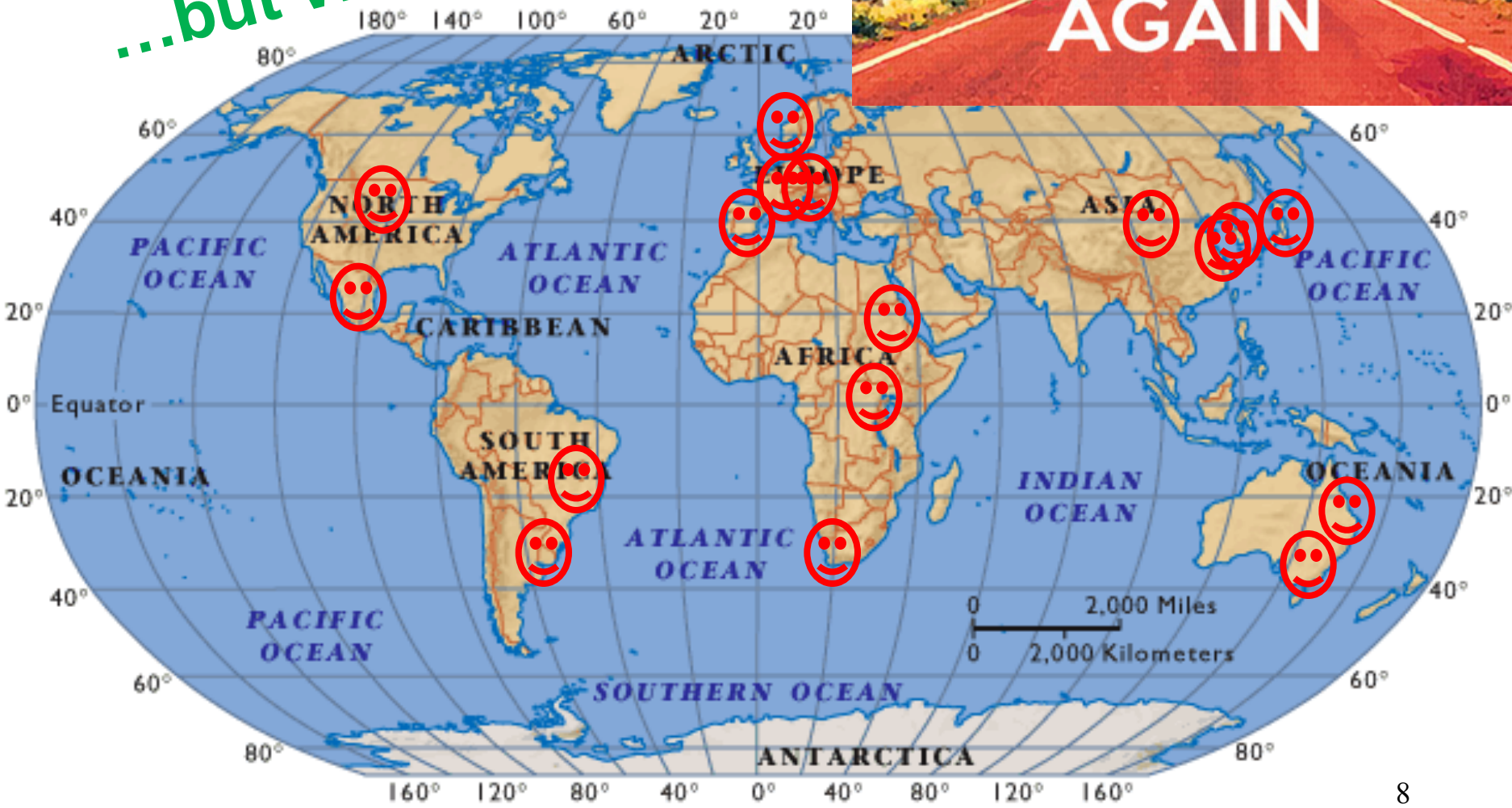
The World

...but What's Next



The World

...but What's Next



The World

...but What's Next



**Announcement
coming on
Friday**

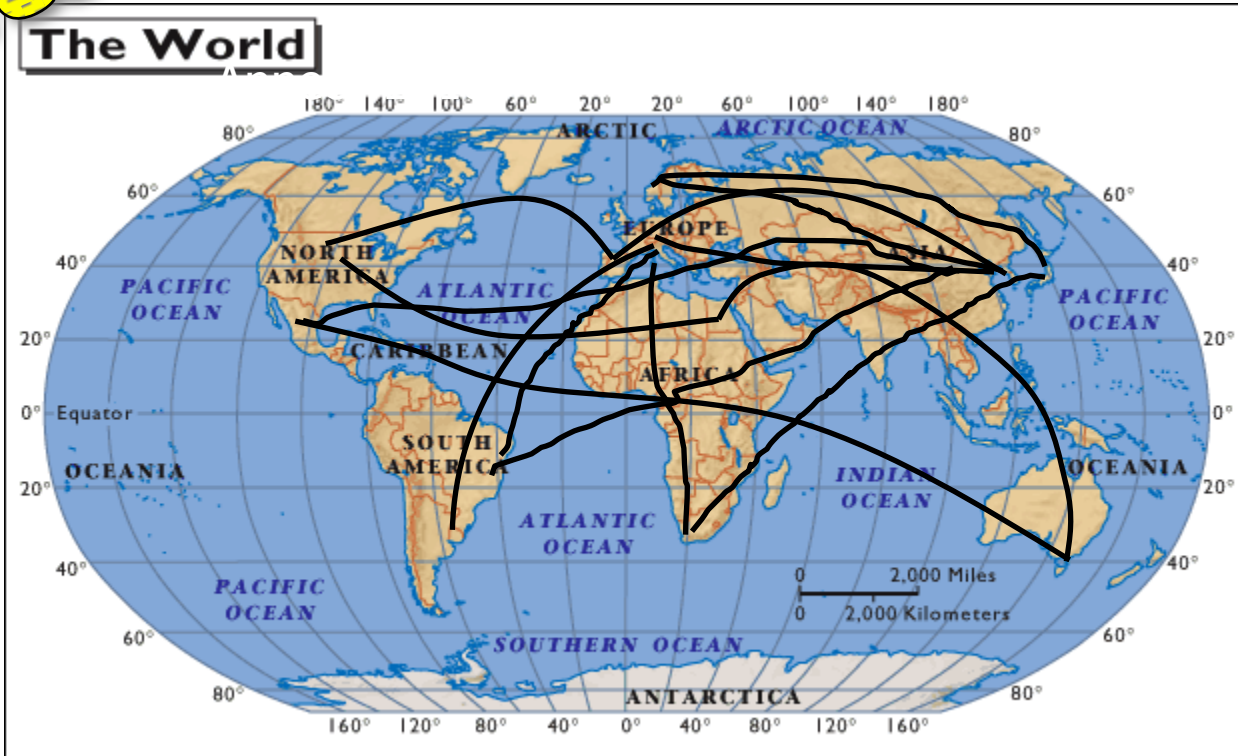


Thank you

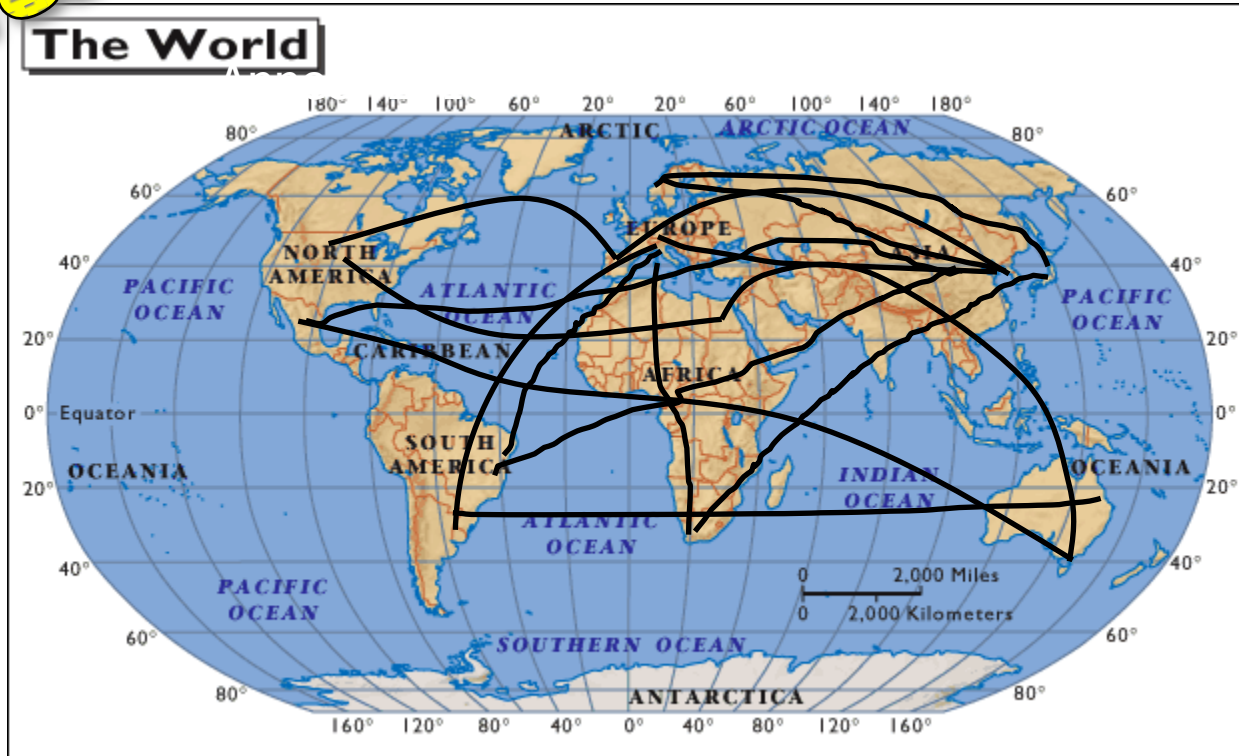
The World



Thank you

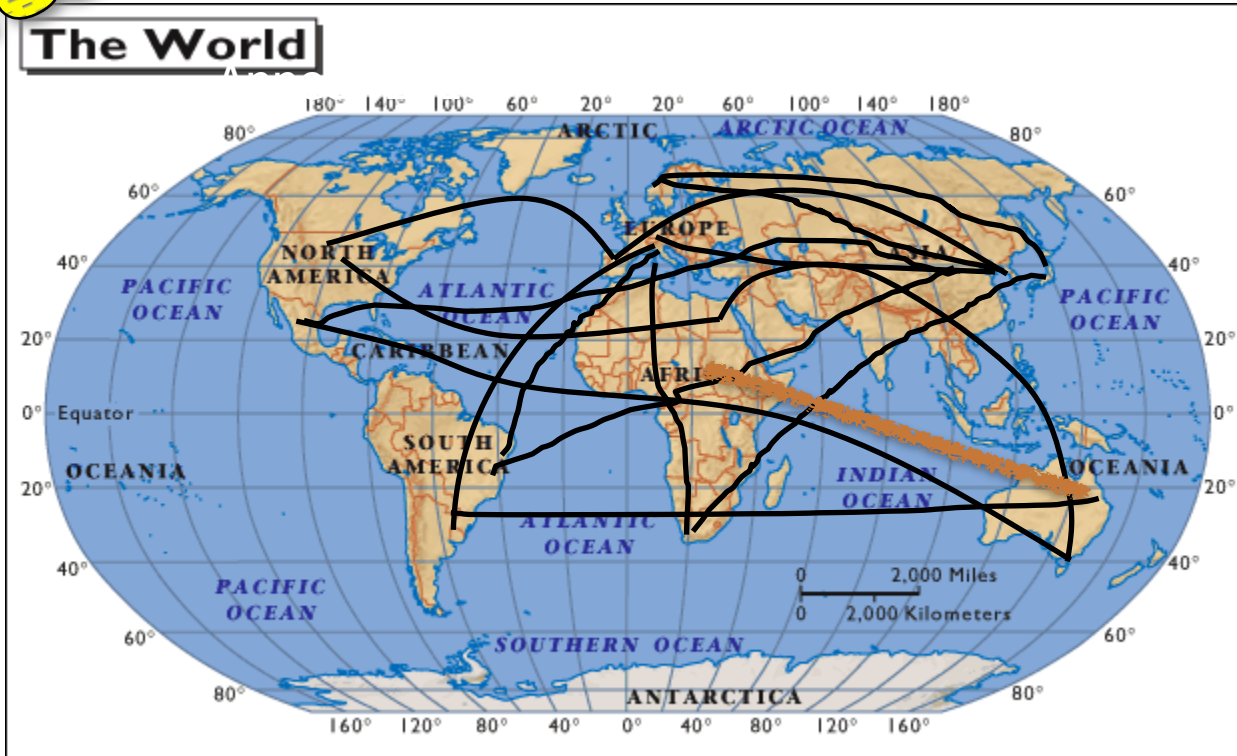


Thank you



Let's begin

Thank you



Let's begin