Asian View Point as ACFA Chair
and
Global View Point as New ILCSC Chair

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Snowmass, Colorado

- **SK is Chair of ACFA from November 2004 for two years term.**

- **SK has been elected as Chair of ILCSC in July 2005 for two years term.**

- **My talk consists of two parts:**
  - **Asian View Point as ACFA Chair**
  - **Global View Point as ILCSC Chair**

Asian view point as ACFA Chair

ACFA

Asian Committee for Future Accelerators

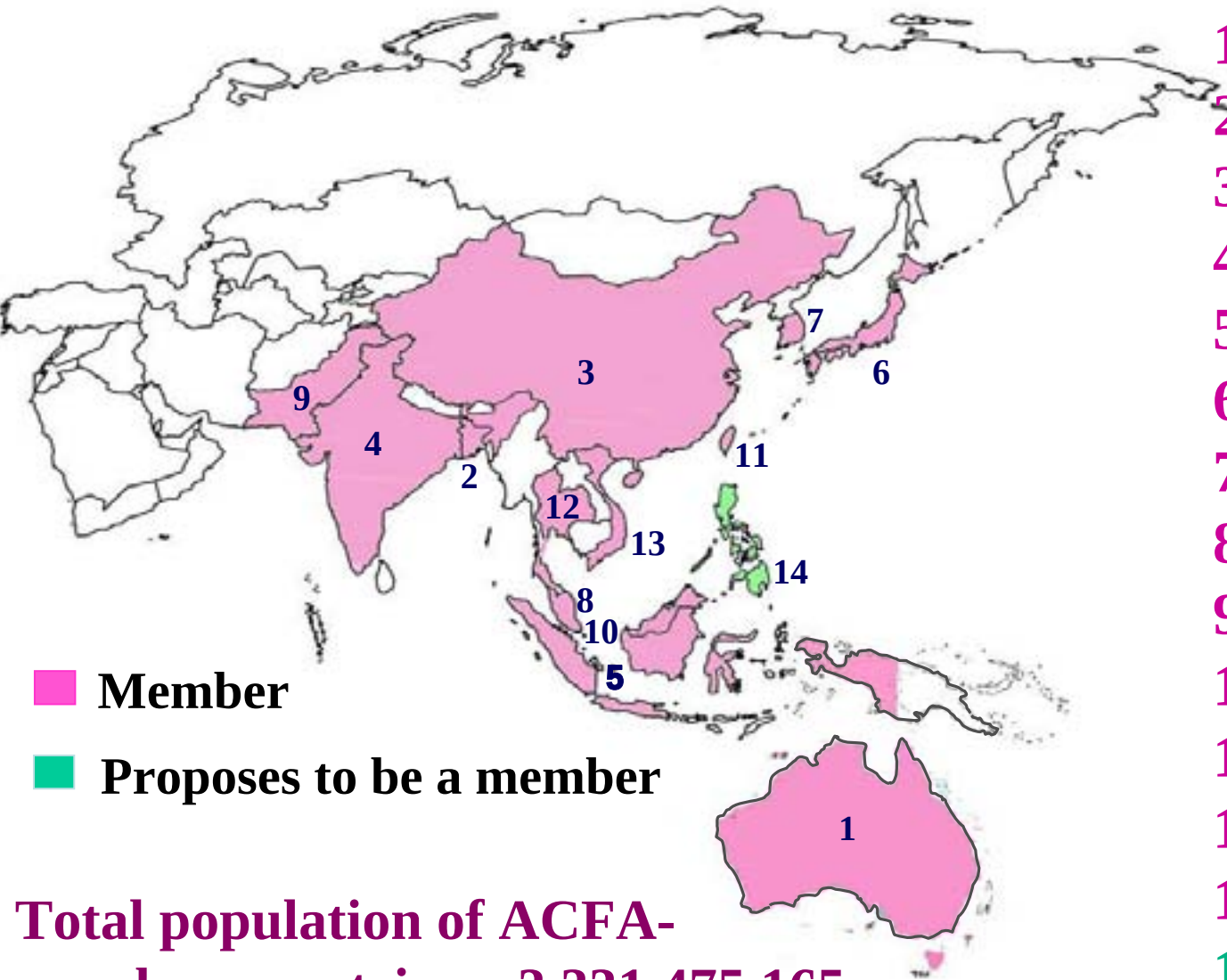
Officially established in the First Plenary ACFA meeting held in 1996 at POSTECH, Korea

Purpose of ACFA

The primary purpose of ACFA shall be to strengthen the regional collaboration on accelerator-based sciences in Asia. In particular, ACFA seeks cooperative ways:

- to facilitate efficient utilization of existing human and material resources,
- to bring up accelerator scientists of the next generation, and
- to encourage future accelerator projects in Asia and to make recommendations for them to governments.

ACFA Members

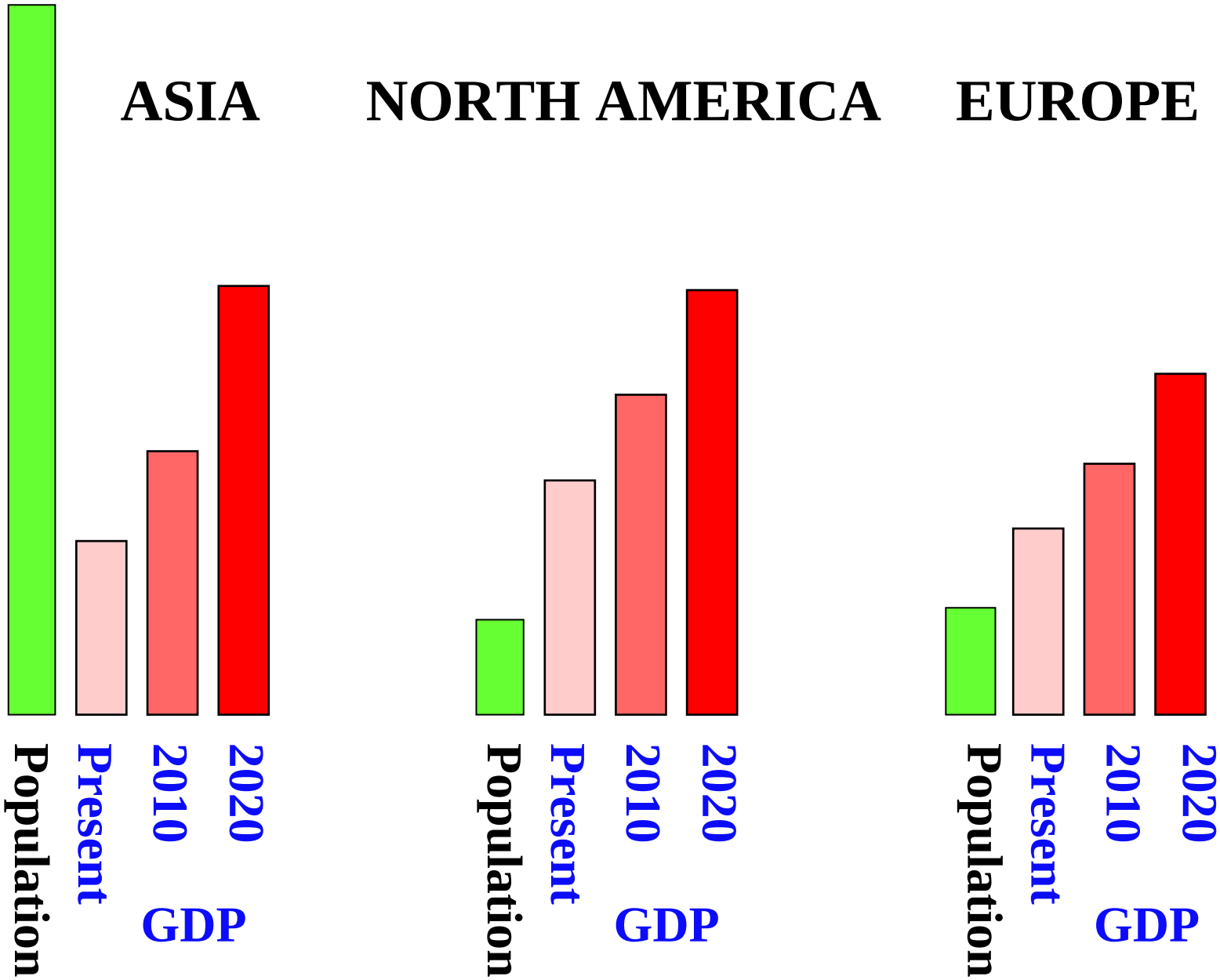


- Member
- Proposes to be a member

1. Australia
2. Bangladesh
3. China
4. India
5. Indonesia
6. Japan
7. Korea
8. Malaysia
9. Pakistan
10. Singapore
11. Taiwan
12. Thailand
13. Vietnam
14. Philippines

Total population of ACFA-member countries = 3,331,475,165

(52.42% of the world population)


ASIA
NORTH AMERICA
EUROPE
Population
Present
2010
2020
GDP
Population
Present
2010
2020
GDP
Population
Present
2010
2020
GDP

ACFA and ILC

- **ACFA strives to get the LC in Asia**
- Three ACFA statements were issued in 1997, 2001, and 2004
- Try to approach all Asian governments & convince them to participate actively in LC
- Identify the R&D capabilities and industrial strength to optimize the cost for LC
- Train Asian manpower and knowledge-power through workshops, schools, conferences & exchange of scientists
- There will be vast opportunities for each country to contribute to the success of LC.
- **ALCSC(ACFA Linear Collider Steering Committee, Chair W. Namkung) has been formed in 2002**

Superconducting Cavity Activities in Asia

- **Japan**
  - **KEK** — KEKB 508 MHz Ccavities and Crab Cavities
    1.3 GHz Cavities for ILC
  - **JAERI** — Cavities for Proton Linac
    QWL Resonators for Ion Linac
  - **Spring-8** — Crab Cavities
- **Korea**
  - **KAERI** — Cavities for Proton Linac
- **China**
  - **IHEP** — BEPC-II 500 MHz Cavities and Cavities for Proton Linac
  - **SINAP** — Shanghai Light Source 500 MHz Cavities
  - **Beijing** — Cavities for IR FELLinac
- **Taiwan**
  - **NSRC** — TLS 500 MHz Cavities
- **India**
  - **IUAC** — QWL Resonators for Ion Linac
  - **TIFR** — QWL Resonators for Ion Linac

ACFA Statements for LC

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- **1st Statement on the e^+e^- Linear Collider**
  at the Second Plenary ACFA Meeting (1997).

- **2nd Statement on the e^+e^- Linear Collider**
  at the 6th Plenary ACFA Meeting (2002).

- **3rd Statement on the ILC**
  at the 7th Plenary ACFA Meeting
  (Nov 2004 at VECC, Kolakata, India)

ITRP Recommendation endorsed by ICFA in August 2004

ICFA has decided on superconducting technology for the future linear collider (LC), by endorsing the resolution of the international technology recommendation panel (ITRP) created by ILCSC under ICFA. **The ITRP report emphasizes the importance of world-wide unified approach as a single team to design the international linear collider (ILC).**

The Third ACFA Statement on International Linear Collider

issued on Nov. 3, 2004

at the 9th Plenary ACFA
Kolkata, India

Essence of the 3rd ACFA Statement

- **ACFA welcomes the truly international nature of the decision on technology for the ILC**. This sets the stage for international collaboration in the design efforts for the ILC.
- **ACFA** reaffirms that the **ILC, the next major high-energy physics project, should be realized by world-wide efforts**. In such International collaboration ACFA and scientists in ACFA countries should play crucial and leading roles.
- **ACFA reconfirms the importance of hosting ILC in Asia,** which will make high energy physics and accelerator science truly global.
- With ILC entering this important phase, ACFA **urges Governments of Asian countries to support participation of their scientists in GDI**.

Asian Prospects and Issues

- ILC is the most important future high-energy project for Asia.
- Asia has a good potentiality to be the host of ILC with its largest accumulation of talented people and largest GDP in 2020 among three regions. Asia should play an important role to establish the real global ILC.
- Asian industry has good capability of constructing ILC with good quality control and possibility of cost reduction.
- Asian high-energy physicists have a long tradition of collaboration with the US and European high-energy physicists.

Asian Prospects and Issues(cont)

- Although, differences among countries in Asia are very large, in culture and economic development level, we have been and are trying hard to overcome these differences to make active collaboration within the region.

- We should make interaction among researchers in the Asian world much stronger. Also it is important to invite researchers from Asian countries that have not participated in the ILC activities.

- With ILC entering this important phase, ACFA urges Governments of Asian countries to support participation of their scientists in GDE.

Global view point as Incoming ILCSC Chair

- **I highly appreciate the great efforts of Maury and the ILCSC, and its sub-committees to establish GDE.**
- **Coming years will be crucial towards the realization of ILC.**
- **As ILCSC Chair I will try my best to be as fair as possible and to realize the truly global ILC.**

Main Roles of ILCSC

- Convince people (public, scientists, and governments) that ILC shall be constructed for getting satisfactory answers to the most important questions that accelerator based science should now be able to address.
- Continuously try to make the ILC activities, namely, GDE (Global Design Effort) and WWS (World Wide Studies), truly global.
- Oversight and help GDE activities effectively and timely.
- Devise and prepare for the next step of GDE to make ILC a real global project.
- To work with GDE as "trouble shooters" when there are disputes about work division.

I believe that time is ripe for us to realize the truly global ILC.

Let us collaborate, by overcoming differences among us and regions, for the realization of ILC.

As Chair of ILCSC, I do welcome any inputs from you !

Thank you for your attention