

# **ASia-Europe Physics Summit (ASEPS)**

## **1st Preparation Meeting**

**Shanghai Jiao Tong University (SJTU)**

**July 24, 2009**

The first global preparation meeting took place at the Shanghai Jiao Tong University (SJTU) on July 24, 2009. The meeting was hosted by Prof. Jie Zhang, the President of SJTU and AAPPS.

### **Objectives:**

The kick-off meeting was held

- to Get a consensus on the motivations, goals and future objectives of the first ASEPS
- to Identify the main scientific topics and the format of the Summit
- to Form the working groups
- to Disseminate the information to the highest level of the each country organisations

The full agenda is available in Annex 1.

### **Participation:**

Participants list is in Annex 2.

Although the meeting was decided quite late and was held in the middle of a vacation period, the number and quality of the attendance were surprisingly high. 37 people participated, 21 were physically present at the meeting and the others were remotely connected through video-conference or send specific messages of interest. 12 countries/territories/regions were represented (Australia(1), China(4), Chinese Taipei (1), France(4), India(1), Japan(9), Korea(6), Russia(4), Spain(1), Switzerland(3), United Kingdom(1) and representing Europe (2). Organisation like

EPS, AAPPS, JPS, ECFA, ACFA, ... were represented at a high level. Research ministries or government level organisations from France, Spain, UK and Korea had also representatives.

### Important site links:

1. ASEPS official site: <http://asesp.kek.jp>
2. ASEPS Main wiki site: <http://aseps.in2p3.fr>
3. ASEPS Kickoff meeting site:  
<http://indico.in2p3.fr/conferenceDisplay.py?confId=2085>

### Summary

After the welcome address from the Host President Jie Zhang, two presentations did summarise the current ASEPS preparation status.

- Denis Perret-Gallix (IN2P3/CNRS, France) (DPG) presented the **main motivations** to holding ASEPS. (see slides at site 3)
  - Scientific Research and particularly Physics Research, a now global endeavour needs to be supported by a global organisation. But in most case the funding remain local.
  - Physics Research is the perfect field for initiating the building of a global scientific research governance. Physics Research is covering a wide scope of research activities (from knowledge research to solving societal needs), large scale infrastructures are needed and the Physics community has a long term experience in international programs.
  - Global governance may succeed only if the 3 main research active regions have similar research levels and if the links between them are balanced. The Euro-Asia cooperation is the weakest link of the North-America/Europe/Asia triangle. The first Asia-Europe physics summit is therefore meant to finding ways to strengthen this cooperation.
  - To install a new governance, the 3 main research partners should get together: Policy/decision makers, the industry and the scientists. The 3 communities must enter into a regular, barrier free and profound dialogue. The Summit will provide a platform for high level discussions and negotiations.

- World research governance will miss its objectives if the developing countries are not involved. Bridging the knowledge gap is a must for humanity. This is a major topic of the Summit.
- This summit, a Euro-Asia Initiative, is only the first in a series that will evolve to a world-wide organisation. It is both a showcase for Physics research and a unique forum to politically address the future of research. Let's make it an historical event.
- Mitsuaki Nozaki (KEK, Japan) (MN) (see slides at site 3) summarised **the current situation of the preparation**
  - The project started with an agreement between CNRS (France) and JSPS (Japan). The project was then endorsed enthusiastically by the EPS (European Physical Societies) and AAPPS (Association of the Asian-Pacific Physical Societies). More than 600 personalities including physicists and decision makers have been informed. The STJU meeting marks the first large scale preparation meeting. The next and probably last before the summit will be held in Europe next December/January.
  - Many high level contacts have led to the support of the European Commission Research, CERN and IUPAP (International Union of Physics and Applied Physics).
  - The 3 days Summit format will allow for invited government level and physics oriented presentations. In addition a poster session will be available.
  - Education, outreach, impacts on industry/society and building the Asia-Europe cooperation framework will be central topics.
  - The ASEPS organisation includes an IAC (International Advisory Committee), working groups, a program committee and the local organising committee.
  - The attendance will consist of the country level delegations, the scientists leading large international projects, industry leaders, general public, the press and young scientists representing the future of our collaborations.
  - Budget: being organised in Japan, JSPS is taking a large part of the support and CNRS, IN2P3 and KEK are also contributing. Other Euro-Asian major organisations are being approached for their support. The issue of requesting Summit organisation fees from the participants needs further discussions.

- **EPS** (David Lee) and **AAPPS** (Jie Zhang) presented their views on the Summit and the support their respective organisation will bring through the dense network of the country level physical societies.
- **Presentation and expression of interest of the participants.**  
The floor was then given to the participants to shortly present their research organisation and to express their interest in the Summit. There was an unanimous and enthusiastic support for the Summit seen as a platform to formulate specific issues and problems raised by international research activities, as a unique opportunity to promote national projects into the international arena and as a way to structure country level and region wide research activity. Written presentations are available at site 3 ("Messages from the participants").
- **Discussion**
  - The summit is a chance and a challenge as it addresses the issue on forming an Asia wide cooperation framework to become a counterpart of the emerging European research organisation.
  - It was felt that more weight should be put on identifying the problems hampering the cooperation between the 2 regions.
  - Four specific working groups were created. The outcome of their studies shall be presented and discussed at the summit. This shall be the main theme of the first summit:
    - **WG1: Large scale science platforms for future**  
How to build organisational structures to handle region wide and inter-regional wide large scale projects, sometimes called mega science programs? Can some of the major infrastructures be shared between the 2 regions in a world-wide framework (see the ESFRI list in Europe and the various 10-20 years road-map both in Europe and Asia)?  
How countries should be involved: treaties, specific agreements, commitment, simple MOU, ...?
    - **WG2: New initiatives for inter-disciplinary and innovative frontiers**  
How to foster more interdisciplinary cooperation to explore new frontiers and to nurture creativity and innovation? How to build research networks on topics involving many research fields? How to transfer research knowledge to

other research fields and the industry to contribute solving the scientific/societal needs (energy, environment, health issues...)?

- **WG3: Training and nurturing young scientists.**

How to run training activities: through international schools, Euro-Asia research training centres, ...? How to involve developing countries in basic research? How to support national projects in the developing countries? How to involve developing countries researchers in international large scale programs?

- **WG4: Removing barriers and creating new opportunities in international cooperation between Europe and Asia.**

How to remove the many barriers that are slowing down efforts to setup international programs? In particular due to:

- The Regulation in importing/exporting apparatus for science research, the tax exemption on materials and equipments exchange.
- The difference systems of the many funding agencies involved in supporting an international project.
- The lack of special international researcher status

The questions raised here are only given as indication. The first task of the WG is to elaborate on and define comprehensively the important issues.

- All these issues, raised by researcher community, could be solved only with the strong involvement of the policy/decision makers. Country level representative is an important asset for the success of the Summit series and needs to be reinforced.
- The attendants are asked to participate in one of the working groups (see Annex 3). This is the first step of the formation of the working groups. The ASEPS secretary will announce the call for nomination to the wider community. The attendants of the kick-off meeting are kindly requested to promote the participation to these

working groups to relevant people/institutes. The tentative plan is to formalise the working groups by the end of September.

- There was no time to discuss the candidate speakers of keynote addresses in the first summit. Since the next kick-off meeting might be too late to invite prominent speakers, it was decided to have a video meeting to discuss this issue.

- The Scientific Working Groups (SWG): A preliminary list was presented (Annex 4). As there was no time to go further, we left this discussion to a forthcoming note. The groups will provide a framework for information exchange, for common project proposals and for promoting Asia-Europe cooperation.

The ASEPS secretariat will prepare a web submission site to collect possible Euro-Asia cooperation proposals to become seeds for forming the SWGs. They will also be the main ingredients of the poster session in the first summit and some can be presented in the plenary sessions. The formal organization of SWGs will be made at and after the first Summit.

- **Non-member states:**

The ASEPS first summit focuses on the Asia Euro cooperation, but as the final goal is to proceed toward global research governance, the attendance of non Euro-Asian countries as observer is most welcome. We will soon update the membership list to the main research organisation of the North and South America as well as the African countries. Feel free to suggest names (email and affiliation).

- **Industry:**

The industry participation although presented as an essential ingredient of a successful summit is, as yet, poorly represented. All efforts should be devoted to the present and promote the Summit before this community.

- **ASEPS Chairmen**

Under the pressure of the deadline, the participants asked the current two coordinators DPG and MN to keep on managing the

preparation of the Summit. Keeping aside a later more formal designation.

The first preparation meeting was held in a warm and extremely constructive atmosphere, it showed that ASEPS was really responding to an urgent need of the Asian and European countries.

Special thank were presented on behalf of the attendance and organisers to Prof. Jie Zhang and his staffs for the strong and efficient financial and technical support given by SJTU to the kickoff meeting.

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## ***Annex 1: Participants***

No.	Name	Organization
1	Boqiang MA	PKU (China)
2	Chia-Seng Chang	Academia Sinica (Chinese-Taipei)
3	David Lee	EPS (representing Europe)
4	Denis Perret-Gallix	IN2P3/CNRS (France)
5	Jie Zhang	AAPPS (China)
6	Etienne Auge	IN2P3/CNRS (France)
7	Hideaki Takabe	AAPPS (Japan)
8	Hyeonsik Cheong	KPS (Korea)
9	In Soo Ko	ACFA (Korea)
10	Katsuo Tokushuku	KEK (Japan)
11	Ken-ichi Ueda	JPS (Japan)
12	Lan Zuo Gillet	Consulate General Switzerland, Swissnex Shanghai (Switzerland)
13	Masao Ninomiya	JPS (Japan)
14	Masatoshi Arai	J-PARC/JAEA (Japan)
15	Mitsuaki Nozaki	KEK (Japan)
16	Natacha Aveline	CNRS Regional office Japan-Korea-Taiwan (France)
17	Seunghwan Kim	AAPPS (Korea)
18	Tatsuya Nakada	EPFL/ECFA (Switzerland)
19	Tohru Motobayashi	RIKEN (Japan)
20	Valery Shvetsov	JINR (Russia)
21	Yu-Gang Ma	SINAP,CAS(China)

### **Participants: 21**

Using EVO system

1	Akira Noda	Kyoto Univ.(Japan)
2	Alexander Skrinsky	BINP (Russia)
3	Berta Rubio	CSIC(Spain)



4	Christian Kurrer	EC (representing Europe)
5	Dong-Pil Min	SNU (Korea)
6	Junpei Fujimoto	KEK (Japan)
7	Lev Okun	AS (Russia)
8	Madeleine Soyeur	CEA (France)
9	Mikhail Danilov	ITEP (Russia)
10	Monique Werlen	LPHE-IPEP (Switzerland)
11	Pak Ming Hui	The Chinese University of Hong Kong (China)
12	Byeong-Gon Park	KASI (Korea)
13	Rohini M. Godbole	IIS (India)
14	Seung-Woo Hong	Sungkyunkwan Univ(Korea)

#### **EVO system participants: 14**

Brian James	Australian Institute of Physics(Australia)
Benjamin O. Chan	Ateneo de Manila University (Philippine)
Benno Hinnekint	FWO (Brussels)
C.S. Sundar	IGCAR (India)
Friedrich Wagner	EPS/Max-Planck-Institut (Germany)
G.A.Mesyats	(Russia)
Gabriele Fioni	MESR (France)
Gennady KOZLOV	JINR (Russia)
Grigori Shirkov	JINR (Russia)
Hesheng Chen	IHEO(China)
Ing. habil. Herbert O. Moser	SSLS/NUS (Singapore)
Inge Mærkedahl	DASTI (Denmark)
Ishfaq Ahmad	Gov. (Pakistan)
Jean Tseng	PST (Chinese Taipei)
John Womersley	STFC (England)
Masno Ginting	IYPT/IJSO (Indonesia)
Masatoshi Namiki	JPS (Japan)
Nguyen Xuan Phuc	VAST(Vietnam)
Philippe Vialatte	EC
Philip Burrows	STFC(UK)

Denis Raoux	CNRS-INP(France)
Rowena L Sirey	ESO
Shekhar Gurung	NPS(Nepal)
Swee Ping Chia	Malaya Univ.(Malaysia)
Tariq Aziz	TIFR (India)
Vyasheslav V.Osiko	RAS (Russia)
Vasile Dorobantu	Politehnica" University (Romania)
Virgilio Sagun	DOST (Philippine)
Yanlin Ye	PKU (China)
Yifang Wang	IHEP (China)
Yinglan ZHANG	NSFC (China)
Yoshichika Onuki	Osaka-Univ.(Japan)
YoungPak Lee	KPS (Korea)

**Received messages: 33**

## ***Annex 2: Meeting Programme***

[Agenda \(09/07/15\)](#)

9:00-10:30 Welcome and Introduction to ASEPS (Jie Zhang, President of SJTU and AAPPS) 10'

ASEPS Motivations (D. Perret-Gallix) 10'

ASEPS Implementation: Current Status (M. Nozaki) 10'

EPS message (D. Lee) 10'

Message from each organisation. ~ 50'

10:30-11:00 Break

11:00-12:30 o General Discussion on the ASEPS organisation and timetable 45'

Committees definition (Board, IAC, PC, NOC, LOC)

Communication with and Invitation of the non-member Countries

Promoting ASEPS (Information and advertisement)

Guidelines for the selection of the talks

Promoting the industry Participation

Financial support and summit fee

next preparation meetings

o Setting up the working groups(WG).

Example :

Particle Physics

Nuclear Physics

Astrophysics/Astronomy

Atomic/Molecular

Laser/Optics

Condensed matter/material

Plasma Physics

Biological and medical Physics

Environmental Physics

Energy related Physics

IT/Computational Physics

Social/Humanity/Education

ASEPC structure/policy

12:30-14:00 Lunch

14:00-15:30 o Discussion on possible members of the WG and plenary

speakers.

15:30-16:00 Break

- 16:00-17:00
- o Sharing responsibilities and ASEPS internal communication
  - o Discussions about the outcome of the Summit and beyond
  - o Any Other Business
  - o Summary

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### ***Annex 3: Scientific working Groups***

- Particle Physics
- Nuclear Physics
- Astrophysics/Astronomy
- Atomic/Molecular
- Laser/Optics
- Condensed matter
- Plasma Physics
- Material/Analytical
- Biological and medical Physics
- Environmental Physics
- Energy related Physics
- IT/Computational Physics
- Social/Humanity/Education
- ASEPC structure/policy

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***Annex 4: The 4 problem oriented working groups (very preliminary commitments)***

WG	Asia	Europe
Mega science platforms for future	In Soo Ko, T. Motobayashi, XD Ji, Z. Zhao,	B. Rubio, T. Nakada,
New initiatives for inter-disciplinary and innovative frontiers	K. Ueda, H. Takabe, Y-G. Ma, E. Auge, V. Shvetsov,	
Training and nurturing young scientists	S. Kim, B. Ma, M. Namiki	
Removing barriers and creating new opportunities in international cooperation between Europe and Asia.	H. Cheong, M. Arai,	D. Lee, Lan Zuo Gillet,