Update on ILC status in Japan

Satoru Yamashita (ICEPP, Univ. of Tokyo)
LCWS2018 @ Arlington, Texas, US
Oct. 22, 2018
Update on Ministry processes
  MEXT ILC advisory panel → opinion of Science Council of Japan

Update on supports by society
  Industry sectors (AAA)
  Regional Activities in Tohoku site area
  ILC supporters, Medias, ILC 100 people committee
  S. Glashow & B. Barish in Tokyo, messages to public, PM, Ministers

Update on Actions in Diplomatic front
  US DoE Undersecretary for science  P. Dabbar (Oct. 10@Tokyo)
  France (Parliament members, MESRI, ,, Jan. @Paris)
  Germany (Parliament member, BMBF, ,, Jan. @Berlin)

Update on Actions in Political front
  Ruling Party (Liberal Democratic Party) new body for ILC
  Prime Minister’s office

- Boost cooperation with Prime Minister’s Office & Diet HQ → excellent progress
- Complete MEXT Assessment @ ILC Advisory Panel in Spring → done in time → opinion of Science Council of Japan (by the end of Nov.)
- Increase supports in public → good progress, still need efforts
- Boost and assure US-Japan cooperation for ILC → Meeting with US (Undersecretary P. Dabbar) Oct. 10 → Wonderful
- Establish Multilayer (political, ministerial, laboratory-agency, industry and liaison -researchers) bi-lateral body first with European Countries, → well done for France & Germany, keep progressing
- MOST URGENT: to cope with Science Council of Japan and positive recognition in public (with Media).
- And Clear Signal from Japan (Governmental Intention to Host, Model for investment share,,)
- All must be done before European Strategy input
### 2018 Global Schedule ver.20181022 (rough guideline)

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<td><strong>Communications / discussion with PM office</strong></td>
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<td><strong>Science Council of Japan (SCJ)</strong></td>
<td><strong>JP GOVERNMENT (Signal from Japan)</strong></td>
<td><strong>Multi-lateral Discussions</strong></td>
<td><strong>JP Diet session extended until July 22</strong></td>
<td><strong>Sep. Election of JP LDP top (ruling party) = Prime Minister</strong></td>
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#### FR/DE

- **First Delegation (FR/DE)**: politicians/officials/industry/researchers
  - Follow-up meetings (FR/DE)
  - (April) researchers’ interactions with EU parliament / German S. Kaufmann

#### US

- **MEXT-DOE Discussion Group**
  - Proposal of international sharing and timeline (International proposal from researchers/labs)
  - Framework: ICFA@UK in Mar.
  - DOE: awaiting Congress approval of political appointees → Undersecretary is in position
  - Deputy Secretary / Assistant Secretary

#### MEXT-DOE Discussion Group

- **Meeting with DoE Undersecretary P. Dabbar**
  - Progress in Japan-EU discussions
  - European Strategy for Particle Physics
  - Start of discussion

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- **Hon. Becht (FR) visits Japan**
  - Tohoku May 16, Tokyo May 17, 23, 24

- **S. Kaufmann (GE) visits Japan**

- **O. Becht (FR) visits Japan**
  - (Nov) US mid-term elections

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- **9/18 Council in LDP start**
- **JP GOVERNMENT (Signal from Japan)**
- **Multi-lateral Discussions**
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- **Multi-lateral Discussions**
ILC Promotion bodies in Japan

**Government**
- Cabinet (Prime Minister’s office)
- Ministries
  - MEXT (Education, Culture, Sports, S&T)
  - CAO (Cabinet office) – S&T Council (CSTI)
  - MOFA (Foreign Affairs) – Embassy
  - MLIT (Civil, Sightseeing, Transport)
  - METI (Economy, Trade, Industry)
  - MOF (Ministry of Finance)

**Political**
- National Diet (Parliament)
  - Representatives ~480
  - Councillors ~240

**Industry & Academia**
- AAA
  - Advanced Accelerator Association (2008~)
  - (2014~ incorporated company)
  - Industry-Academia cooperation
  - Led by Executives of Leading Companies and KEK DG

**Local Area**
- ILC Tohoku Promotion Office (2016, June~)
- Led by Local Governments, Business Associations, Univ. Presidents.
- Cooperation of Civil engineering at candidate site area
- Geological surveys, preparation for campus

**Central activity in Researchers**
- KEK
  - ILC Promotion Office (led by KEK DG, 2014~)
  - Technological leadership for Accelerator Cooperation with MEXT

**Japan: Parliamentary cabinet system**

**Federation of the Diet Members for ILC**
- (2006, 2008~)

**ILC Promotion Office**
- (led by KEK DG, 2014~)

**AAA**
- Advanced Accelerator Association (2008~)
  - (2014~ incorporated company)

**SCJ**
- Science Council of Japan

**J-HEP Committee**
- Japan HEP Community
MEXT (Ministry for Education, Culture, Sports, Science and Technology) ILC advisory Panel complete in July their evaluation (since 2014) on ILC in:
- Physics research
- Technical issues and cost
- Organization and governance
- Human resource
+ reports by Nomura Research Institute on Spin off, economic effects


Complete in July 4th in 2018

Summary of the ILC Advisory Panel's Discussions to Date after Revision (July 4 2018) Tentative translation

PLEASE CHECK BY YOURSELF

It is a kind of fact report (material for government-level assessment / decision)
→ MEXT requested to Science Council of Japan (SCJ; under Cabinet office S&T branch) to give opinion on ILC in timely manner → SCJ setup a committee and start in Aug.

http://www.scj.go.jp/ja/member/iinkai/ILC/ILC24.html (only in Japanese so far)

Unfortunately (typical Japanese style)
No collider-physicists in the committee
No experts in High Energy Physics

Very frequent meetings; Aug-Oct more than 10 meetings
Open discussion (media watches) & Closed session
Hearing from KEK, researchers

Wonderful presentations by
Yamauchi (KEK DG), Aihara (JHEP Chair), Michizono (LCC, KEK), Hajima (Japan Accelerator Association), Asai (LHC-ATLAS), so on.

First misleading discussions, then getting better, but then SKEPTICAL VIEW raised again:
Researchers’ world passion is enough? Why Linear? Why NO other nations host ILC?

SCJ receives inputs → need inputs from LCWS and international voices
ESSENTIAL POINTS necessary TO BE RECOGNIZED by SCJ

- **PASSION & CONFIDENCE** of the researchers
  - WORLD-WIDE COOPERATION & SUPPORTS

- **WONDERFUL PHYSICS** - GUARANTEED & POTENTIAL

- **ENERGY EXTENDABILITY** = Long-term vision
  - 250 → with most up-to-date technology → X → multi-TeV

- **STATE-OF-THE-ARTS ACCELERATOR & DETECTOR**
  - **AFFORDABLE INVESTMENT** (COST & HUMAN)
  - SIZE & TIME to be shared by HOST and Partner Nations
  - In-kind contribution scheme
  - → **CO-PROSPERITY WITH WORLD LABORATORIES**
  - → **INDUSTRY PARTICIPATION** in each Partner Nation
Update on support by public

GRASSROOTS activities
ILC supporters (started in Apr. 2018):
Now more than 250,000 members

https://ilcsupporters.jp #ILCsupporters

Newspapers and TV (All-Japan wide)
2018 Jan – May only 5
→ 2018 Jun – Aug 38 Rapid increase
+ Regional broadcast: one per day in average


Regional Supports
- **Support Resolutions** by all-TOHOKU and HOKKAIDO Prefecture Governors
- Support Resolutions by all-TOHOKU City Mayors
- Full supports by local governments (prefecture, city)
- Full supports by economic regional organizations
- Preparation of international conditions
- Survey (geology, environment)
Outreach

Until 2017, tools have been prepared (Science Kitty, etc.).

We have made urgent actions for outreach with producers:

1. ILC Supporters with Animation producers/directors → June 7th event @Tokyo

2. ILC 100 members’ committee -- VIP in Japanese economy, opinion leaders
   June 29th opining event

3. ILC book “from Japan to the Universe, ILC project” commercially available
   (in Japanese)

4. Lectures for MEDIA in Tokyo → by AAA/Tohoku, by KEK

5. Tokyo Symposium with Media broadcast, media interview,
   by S. Glashow, B. Barish, M. Kobayashi, etc.. Aug 5th – 6th

6. MEDIA (TV) programs, Newspapers
Call for ILC supporters #ILCsupporters
ILC Supporters at Fukuoka ALCW2018  (May 2018)
Morioka

Tohoku tourism ad seen on Tokyo Metro

OUTREACH and SUPPORTS by LOCAL AREA

THE KITAKAMI TIMES

Oshu City

Ichinoseki Station

Morioka
Symposium at Tokyo  1000 participants  
With Glashow and Barish  for ILC

Supports by Nobel Prize Winners

Messages from:
B. Richter, D. Gross, T. Koshiba,
M. Kobayashi, T. Masukawa,
G. T Hooft, S. Glashow, S. Weinberg
B. Barish

Direct message to S&T Minister (Aug. 7)

Media interviews
Update on political front

July

Preparation of new body for ILC in ruling party LDP (Liberal Democratic Party)

Strengthen cooperation with government core (Prime Minister’s office)

Meeting with Prime Minister Abe

Sep.

Establish LDP Coordination Council for Realization of ILC

Oct.

The LDP Coordination Council meet with US Undersecretary P. Dabbar
Meeting with Prime Minister Abe
July 5th
Prime Minister Abe
Deputy Chief Cabinet Secretary Nishimura
Deputy Chief Cabinet Secretary Nogami
Kawamura (Diet Budget committee chair)
Shionoya (LDP election chair)
Suzuki (Minister of Olympic)
Onodera (Minister of Defense)
Nishioka (AAA chair, MHI former CEO)
Takahashi (Tohoku, Tohoku electric former CEO)
Yamashita
LDP  Liberal Democratic Party  July 4

Launch “ILC association” with president/chairs of
S&T strategy committee
HQ of reconstruction of remote area
HQ of recovery from disaster in 2011
HQ of strengthening construction
Liberal Democratic Party
Coordination Council for Realization of ILC

(Across-party group) Science and Technology Group
Chair: Hon. Hiroyuki HOSODA

Advanced Accelerator Assoc.
Promoting Science and Technology
Chair: Mr. Takashi NISHIOKA

ILC 100 People Committee

Knowledgeable Advisors
Hon. Hiroya MASUDA (former Minister for Internal Affairs)
Prof. Satoshi FUJII (Counselor, Cabinet Secretariat)
Prof. Atsushi SUNAMI (Vice President, GRIPS)

Tohoku ILC Promotion Council
Representative: Mr. Hiroaki TAKAHASHI, Prof. Hideo OHNO

ILC Supporters

Liberal Democratic Party
Coordination Council for Realization of ILC
(Representative: Hon. Takeo KAWAMURA)
Sep. 18  Liberal Democratic Party (LDP)  
1st Meeting @ HQ  Building

Hon. Amari  Hon. Kawamura  

Hon. Nikai  (LDP GD)  Hon. Hosoda  Hon. Nukaga  

Hon. Shionoya  
Hon. Tokai  
Hon. Nakasone  
(US-Japan chair)  
Hon. Suzuki  

Hon. Ito  
Hon. Nishimura  
Hon. Fujiwara  
Hon. Takahashi  

Mr. Nishioka  (AAA, MHI)  
Mr. Takahashi  (Tohoku)
LDP   Liberal Democratic Party         (Ruling Party)

“Coordination Council for Realization of ILC”

Lead by presidents/chairs of
  Research Council for Strategy on Science, Technology and Innovation
  Unified HQ for Implementing Regional Revitalization
  HQ for Accelerating Reconstruction from Great East Japan Earthquake
  HQ for Promoting National Land Resilience
  Research Council for Strategy on Intellectual Property

Across-party groups:
  Federation of Diet Members in Support of ILC
  Science and Technology Group

With supports by
  • Knowledgeable Advisors :
    • Hon. Hiroya MASUDA (former Minister for Internal Affairs)
    • Prof. Satoshi FUJII (Counselor, Cabinet Secretariat)
    • Prof. Atsushi SUNAMI (S&T Diplomacy, Vice President, GRIPS)
  • Advanced Accelerator Assoc. Promoting Science and Technology
  • Tohoku ILC Promotion Council
  • ILC Supporters
  • ILC 100 People Committee

July 4th
Preparatory Meeting

Sep. 18
The 1st Meeting
  → Resolution

Oct. 10
2nd Meeting
  With US DoE
  Undersecretary P. Dabbar

Oct. 17
Meeting with
  Minister of S&T, Minister of MEXT

Boosting actions
# Update on actions in diplomatic front

**2018 = Successful year in diplomatic actions for ILC**

## US

2013-2017 political communications with Congress, DoE, OSTP @ DC, Tokyo

2016 Establish US-Japan discussion group (DoE-MEXT) → cost reduction

2018

June 27th Visit to Tokyo by DoE J. Siegrist and FNAL N. Lockyer (Diet & MEXT)

Oct. 10th **Meeting with DoE Undersecretary P. Dabbar**

### Europe (progressing with France and Germany)

IEEE2016 @Strasbourg

2017 LCWS2017 @ Strasbourg start communications in political level

2017 Dec. Hon. Becht (France) visit to Japan

2018

Jan. 8th-10th **Meetings at political level at Paris and Berlin**

Japanese delegation with Parliament and Ministry (MESRI(FR), BMBF(GE))

To come

Oct. 29-31 Hon. S.Kaufmann (GE) to visit Tokyo and Tohoku

Nov. 15- Hon. O. Becht (FR) to visit to Tokyo
wonderful meeting with P. Dabbar
Very proactive, clear and positive on ILC

Undersecretary P. Dabbar

Members of LDP Council for ILC

Report will be made by Hon. Ito
On 26th at LCWS2018

Oct. 10th
@ Diet office building Special meeting room

P. Dabbar visited KEK on 9th of Oct.
1st Japanese Delegation (Parliament, Ministries, Industry, Local, Researchers) to Europe

Visit to Paris and Berlin (2018.1.9~1.11)

2018.1.08 and 1.12 visit CERN

Germany/France side

Leading Part: Hon. Becht (France) Hon. Kaufmann (Germany) Hon. Trautmann (EU/Strasbourg)

True Heroes: Marc Winter Maxim Titov

Supervision: Rolf Heuer Joachim Mnich
EU-Japan federation meeting, France Mar. 3-4, 2015

Japanese Diet members led by the late Hon. Kenji Kosaka

IPU Conference in Zambia Mar. 19th-23rd, 2015

Hon. Shun-ichi Suzuki

Meeting with German Bundestag members, October 2016
Two Diet members participated and discussed on ILC
LCWS2017 in Strasbourg (October 27th)

From Europe
   Hon. Olivier BECHT (National Assembly, France)
   Hon. Stefan KAUFMANN (Bundestag, Germany)

From Japan (ILC Federation of Diet Members, remote)
   Hon. Takeo Kawamura
   Hon. Ryu Shionoya
   Hon. Tatsuo Hirano
France-Japan Meeting on ILC
(Tokyo, 2017 Nov 29)

Japan:
Hon. Kawamura, Hon. Shionoya, Hon. Hirano,
Hon. Ito, Hon. Otsuka, Hon. Fujiwara
MEXT: Mr. Itakura et al
Members of AAA, Tohoku Economy Federation
Researchers

France:
Hon. Olivier Becht
Mr. Jean-Christophe AUFRAY (French Embassy)
Mr. Aurelien ANTHONY (Alsace Japan Agency)
etc.
Japanese Delegation

Date: January 9-11, 2018
Meetings@Paris: National Parliament, MESRI, Laboratories
Meetings@Berlin: Bundestag, BMBF

Federation of Diet Members: Hon. Shionoya, Hon. Ito, Hon. Otsuka
Policy secretary of Hon. Kawamura

Ministry: Mr. Itakura (MEXT) Deputy Director-General of Research Bureau,
Officers of Japanese Embassy in Paris/Berlin (Ministry of Foreign Affairs)

AAA: T. Nishioka (former MHI President),
    J. Nishiyama, T. Sakamoto, M. Matsuoka

Tohoku Economy Federation:
    H. Takahashi (former President of Tohoku Electric Power),
    O. Oe, G. Sato, E. Nishiyama

Researchers: A. Suzuki (Iwate-pref), H. Aihara (Tokyo), S. Yamashita (Tokyo)
    N. Niita (KEK, International Affairs Division)
Meetings at Palais Bourbon, Government building, and Laboratories

Hon. TOURRET, Hon. BECHT

Counterparts between France and Japan are established at four levels:
1. Parliament and Diet
2. Ministries
3. F. A. /Laboratories
4. Researchers

Visit Lab/Industry
Counterparts between Germany and Japan are established at four levels:
1. Bundestag and Diet
2. Ministries
3. F. A. /Laboratories
4. Researchers
Conditions for ILC realization from French/German Governmental point of views

1. ILC in the result of the next European Strategy of Particle Physics
2. Co-prosperity with CERN for long
3. Industrial Participation from each partner country

Counterpart in each of 5 layers
1. Parliament Level
2. Ministry Level
3. Funding Agency – Laboratory Level
4. Working researchers (Liaisons)
5. Industry Level
Hon. Olivier BECHT visit Japan in May

May 16 @ TOHOKU  with Governor of Iwate prefecture, Mayors, Economy bodies
May 17 @ TOKYO  with Diet members, opinion leaders, industry, researchers
May 23 @ TOKYO (MHI)  with Chair of Advanced Accelerator Association (AAA)

Gave BIG and WONDERFUL IMPRESSION to Japanese VIP’s

Facilitate clear recognition of Urgency and Necessity of Japanese Gov’s
Clear signal in time in 2018

Hints on protocol and processes to realize the signal in time from Japan.
Yet to come in 2018

Oct. 29-31  Hon. S.Kaufmann (GE) to visit Tokyo and Tohoku

Nov. 15-  Hon. O. Becht (FR) to visit to Tokyo

Nov.  ?  President Macron visit to Japan (?)

Visit to UK, Italy, Spain has been postponed to concentrate on domestic issues.

When Governmental Expression of Interest comes from Japan, Next round : UK, Italy, Spain, other nations and CERN & EC

- Boost cooperation with **Prime Minister’s Office & Diet HQ** → excellent progress
- **Complete** MEXT Assessment @ ILC Advisory Panel in Spring → done in time → opinion of **Science Council of Japan** (by the end of Nov.)
- Increase supports in public → good progress, still need efforts
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Coordination Council for Realization of ILC (Sep. 2018-)
Meeting with Prime Minister (July) and to be made again soon

Need your actions!
Getting visible
Excellent