

Shin MICHIZONO (KEK/IDT-WG2)

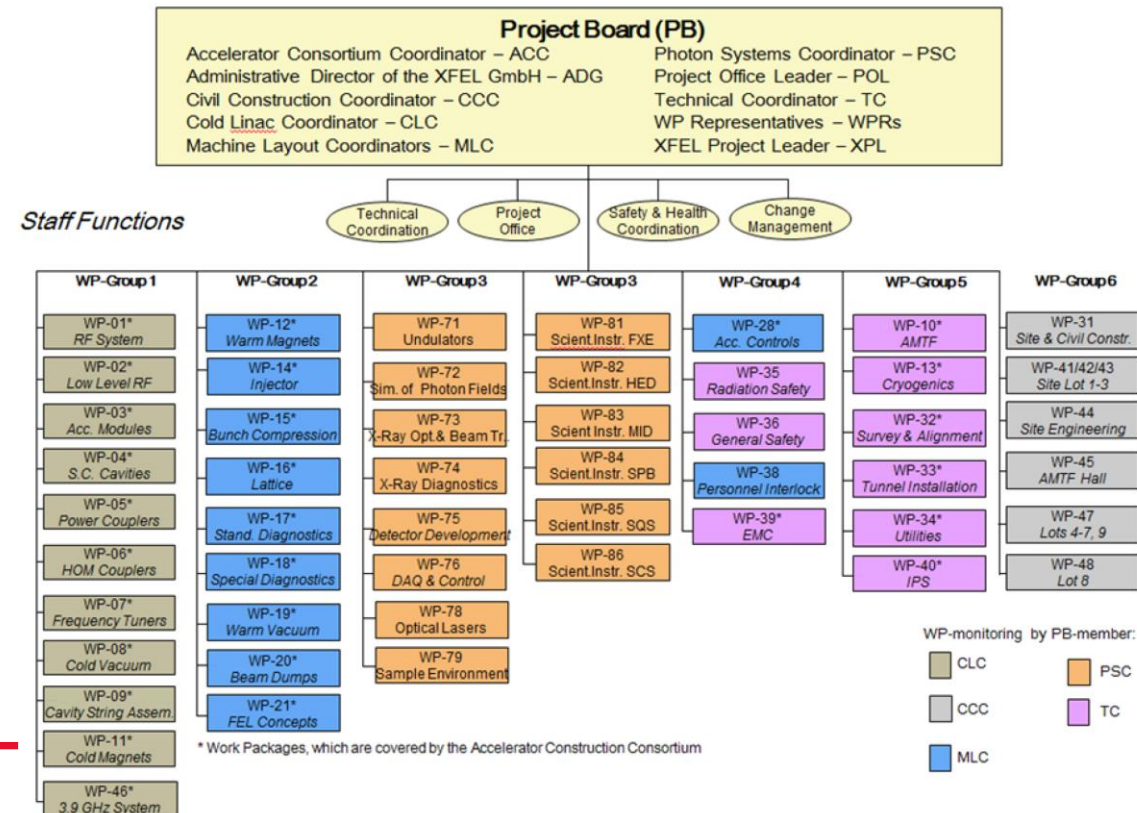
(Oct.6, 2020)

IDT-WG2 report

- IDT –EB were held on Sep.23 and Sep.30
 - I reported the technical preparation (presented at previous IDT-WG2) (comments)
 - Budget profile was asked (in 4 years)
 - Item-by-item cost estimate accuracy?

(Ans.) The “foreign” budget is a rough estimate. It depends on the actual sharing by partner labs.
 - WBS?
- New WG2 members (+4) were approved.
 - Robert Rimmer JLAB
 - Rongli Geng JLAB
 - Gudrid Moortgat-Pick U. Hamburg
 - Joe Grames JLAB

Work packages at European XFEL.
GDE had such breakdown structure.
(need to confirm)



Pre-lab schedule

1st year: TDR-based **estimate confirmation** work started by an international team centered on the Pre-lab.

2nd year: Estimate tabulation work, **internal review** in the latter half of the 2nd year. The review also reports on the progress of technical issues during the preparation period.

3rd year: Conducted an **external review** and completed scrutiny of costs and risks (this is the end of incorporating cost reduction R & D). Completion of **draft of engineering design report (EDR)**. **Prototyping** of critical items. Preparing **mass-production line**.

4th year: **EDR publishing (first half)**, report on progress on technical issues, preparation work for each large bid. **Prototyping** of critical items. Preparing **mass-production line**.

IDT-WG2 organization

Bi-weekly meeting: Sep.22, Oct. 6, ...

IDT WG2
Shin Michizono (Chair)
Benno List (Deputy)

SRF

DR/BDS/Dump

Charges of Sub-groups

- Discuss the topics for
 - technical preparation (remaining topics) at Pre-lab
 - preparation for mass production at Pre-lab
 - possible schedule at Pre-lab
 - international sharing candidates of these activities
- Report to the IDT-WG2

All members belong to some sub-group(s).

Sources

Civil engineering

| | | | |
|---------------------------|------------|------------------------|------------|
| Yasuchika Yamamoto | KEK | Toshiyuki Okugi | KEK |
| Dimitri Delikaris | CERN | Philip Burrows | U. Oxford |
| Hitoshi Hayano | KEK | David L. Rubin | Cornell |
| Olivier Napoly | CEA | Nikolay Solyak | FANL |
| Marc C. Ross | SLAC | Nobuhiro Terunuma | KEK |
| Akira Yamamoto | KEK | Kaoru Yokoya | KEK |
| Sam Posen | FNAL | Jenny List | DESY |
| Nuria Catalan | CERN | Thomas Markiewicz | SLAC |
| Robert Rimmer | JLAB | Luis Garcia Tabares | CIEMAT |
| Rongli Geng | JLAB | | |

| | |
|----------------------|--------------|
| Kaoru Yokoya | KEK |
| Hitoshi Hayano | KEK |
| Masao Kuriki | U. Hiroshima |
| Benno List | DESY |
| Gudrid Moortgat-Pick | U. Hamburg |
| Joe Grames | JLAB |

| | |
|--------------------------|------------|
| Nobuhiro Terunuma | KEK |
| John Andrew Osborne | CERN |
| Tomoyuki Sanuki | U. Tohoku |

Technical preparation etc. will be discussed in bi-weekly sub-group meeting.