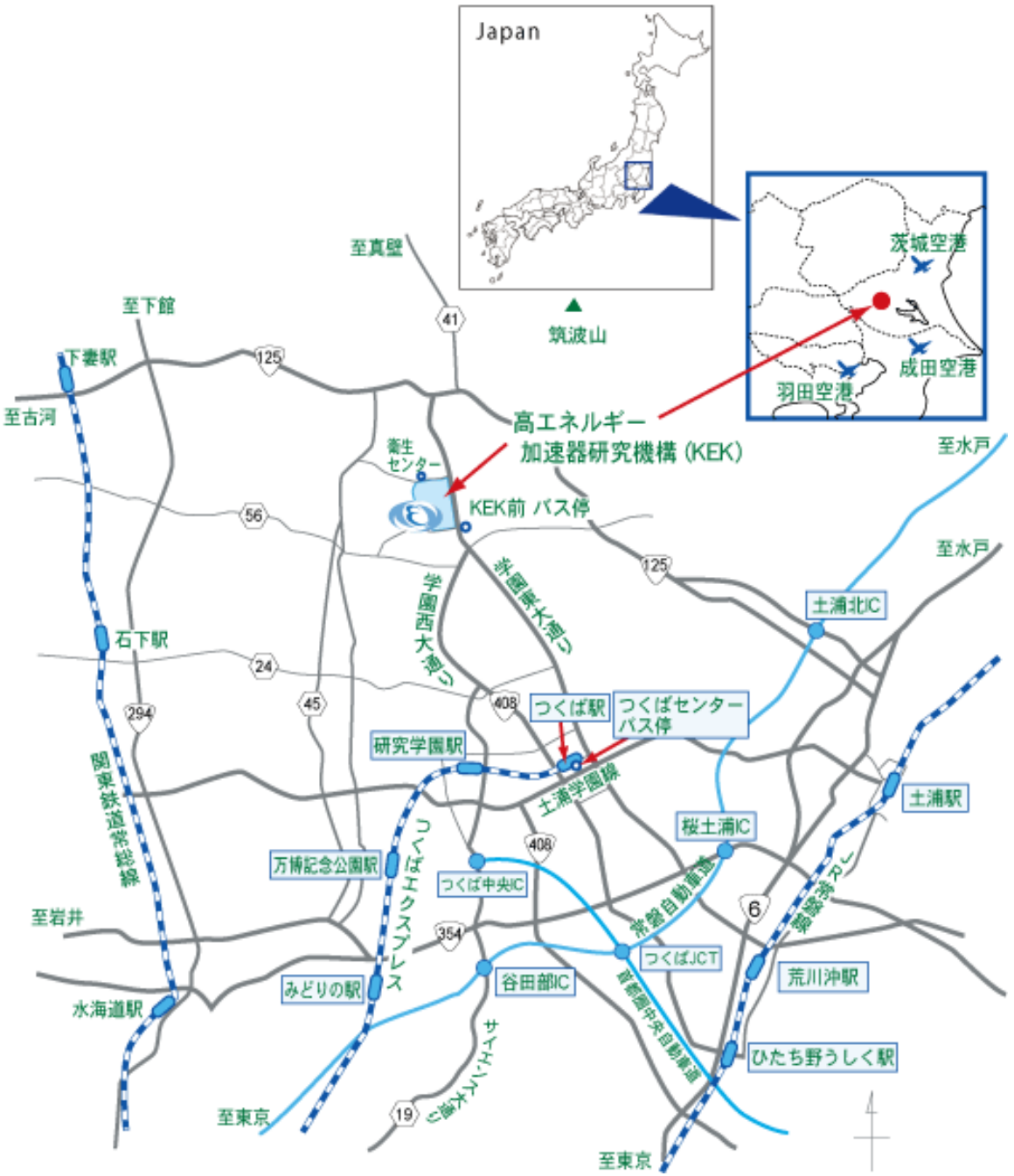
Overview of SPMS Activities in Asia

Takashi Kosuge

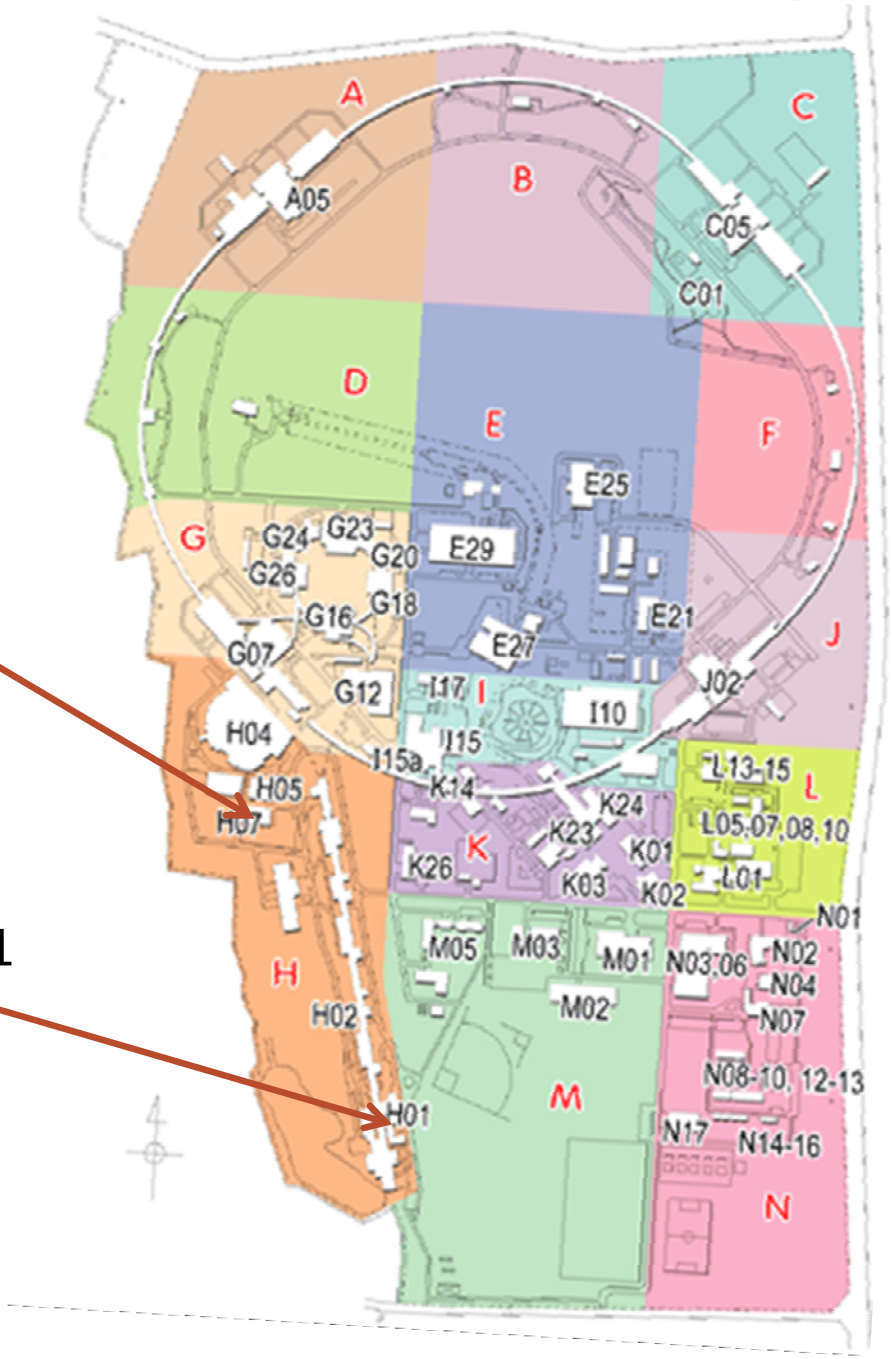
KEK

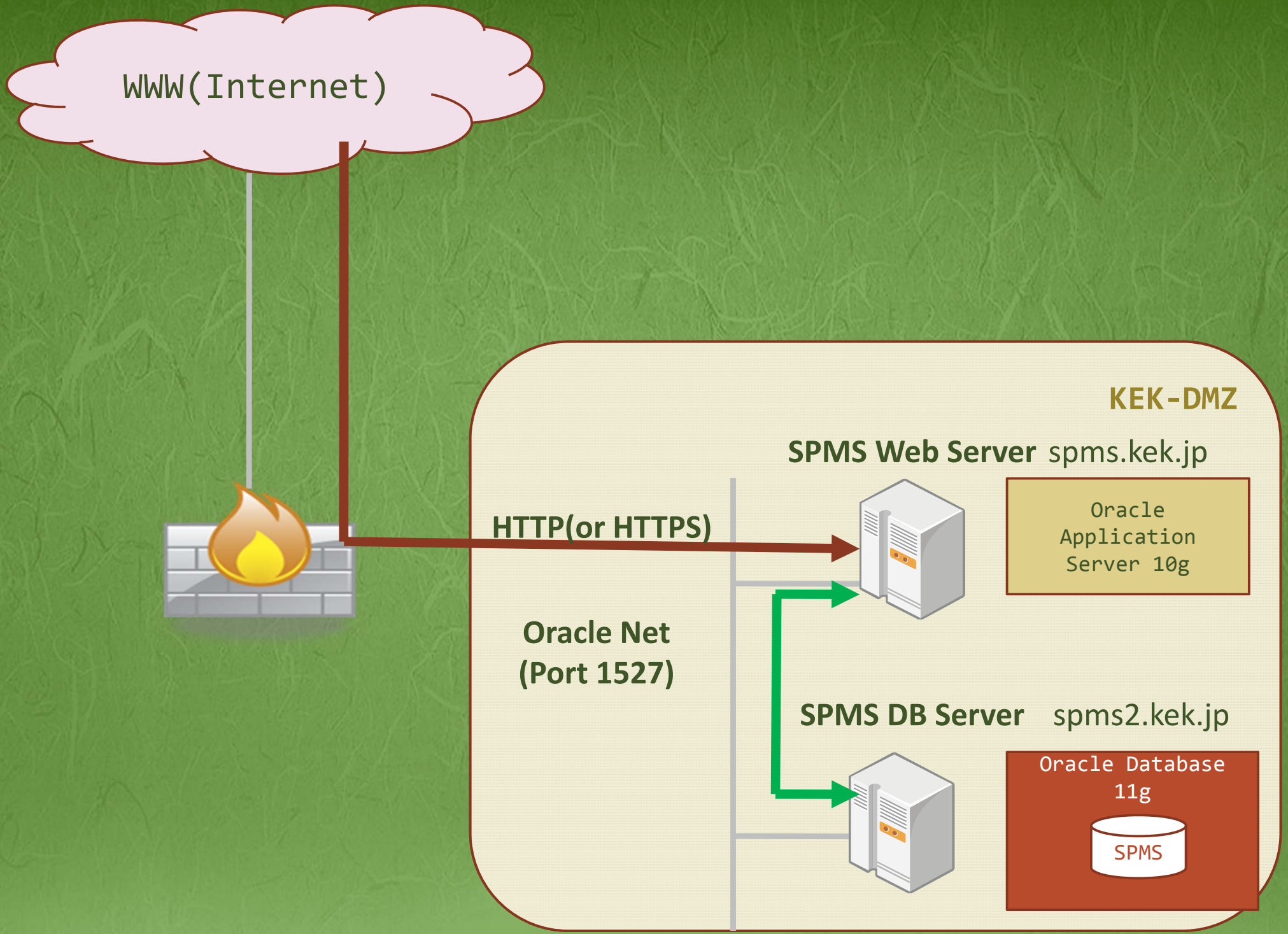
KEK


Japan
筑波山
茨城空港
成田空港
羽田空港
高エネルギー
加速器研究機構 (KEK)
至真壁
至下館
下妻駅
至古河
125
41
衛生
センター
KEK前 バス停
56
石下駅
24
294
45
408
学園西大通り
学園東大通り
つくば駅
つくばセンター
バス停
研究学園駅
土浦学園線
関東鉄道常総線
つくばエクスプレス
万博記念公園駅
つくば中央IC
354
至岩井
水海道駅
みどりの駅
谷田部IC
サイエンス大通り
19
至東京
常磐自動車道
つくばJCT
首都圏中央自動車道
至水戸
土浦北IC
桜土浦IC
土浦駅
6
常磐線
荒川沖駅
ひたち野うしく駅
至東京

My office

Linac control




WWW(Internet)
KEK-DMZ
SPMS Web Server spms.kek.jp
HTTP(or HTTPS)
Oracle Application Server 10g
Oracle Net (Port 1527)
SPMS DB Server spms2.kek.jp
Oracle Database 11g
SPMS

	SPMS DB Server	SPMS Web Server
OS	Windows2003 Server (64bit)	Windows2003 Server (64bit)
CPU	Core 2 Duo 2.4GHz	Core 2 Duo 2.4GHz
Memory	8GB	8GB
HDD	500GB x 2 (RAID 1)	500GB x 2 (RAID 1)
Application	Oracle Database 11g	Application Server 10g

Maintenance

- Backup database : every day
- Checking system log:
  by East Japan Institute of Technology Co., Ltd
  1 day per week

Instances in 2011

- FEL2011
  (22-26 August, Shanghai, China)
  => Fermilab
- ERL2011
  (16-21 October, Tsukuba, Japan)
- HB2012
  (17-21 September, Beijing, China)
- ECRIS'12
  (25-28 September, Sydney, Australia)
- IBIC12
  (1-4 October, Tsukuba, Japan)

Earthquake on 11 March

- M9.0
- Lost electricity (almost 2 weeks)

Earthquake on 11 March

BL-21

In case of fire

Earthquake on 11 March

- M9.0
- Lost electricity (almost 2 weeks)
- SPMS servers didn’t have any damage.

Problem of electricity

- Tepco (Tokyo Electric Power Company) said, they divide customers into several groups and stop electricity supply in rotation.
- Actually, They stopped the supply in a few days in March.

  => Stopped trains etc.

Problem of electricity

- In a few weeks situation of electricity returned normal.
- How the summer in 2011?
- FEL2011 => Fermilab
- HB2012 => Wait for autumn.
- Finally, This summer was fine. (Did Japanese companies and people save electrical energy?)

Recent status

- Discussing next computer system in KEK is going now.
- Is installing Oracle DB possible?

If possible,

- We will get enterprise edition.
- KEK stops electricity in August due to maintenance, but we will not worry about that.(We will get power backup)