Radio Astronomy Frequency Committee in Japan and Its Recent Activity

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(NAOJ)

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Japanese VLBI Net and KVN & Shanghai

The committee

- Chair: N. Kawaguchi
- Vice-Cair: O. Kameya
- the Secretary Division of the committee:

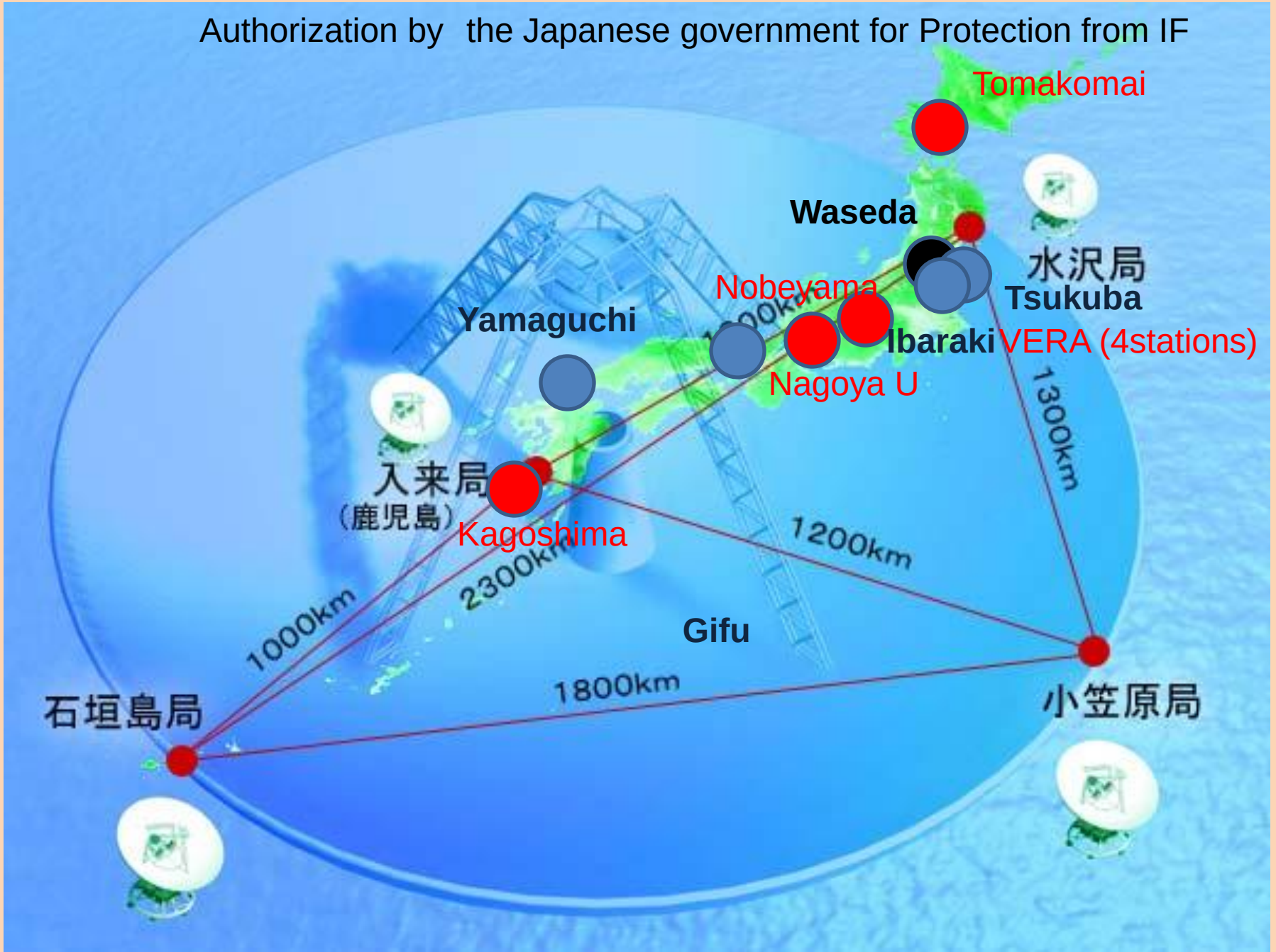
  T. Tatsuzawa, R. Okayasu, and Y. Saito
- 9 members from NAOJ
- 12 members from institutes other than NAOJ
  - Kagosima univ., Keio Univ., Univ. Tokyo, Univ. Hokkaido, Gifu Univ., Yamaguchi Univ., Waseda Univ., Univ. Tohoku, Tokai Univ., Univ. Nagoya, Inst. Space and Astronautical Science, Geospatial Information Authority of Japan
- HP (Japanese):http://www.nro.nao.ac.jp/~freqras/

Activity

- Regular meetings: 10 times /year
- Participate in ITU-R meetings(APT,,,)
- Protection from IF at Radio telescopes in Japan. Nobeyama, VERA (4stations), Tomakomai, Nagoya U., Kagoshima, etc

  Planning: Yamaguchi, **Waseda**, Gifu, Tsukuba, Ibaraki,
- Meeting on: PLT, UWB, 23GHz Radio Communication, 1.6GHz mobile phone using stationary satellites, etc number is increasing!

Authorization by the Japanese government for Protection from IF



Discussion on the other possible IFs

・79GHz band Rader system on cars (protect collision)

***23GHz band Radio communication system (helping cable TV in emergency)**

・21GHz band next generation Broadcasting satellite system

・PLC　(together with Dr. Oishi)
Demonstration to the government and the press

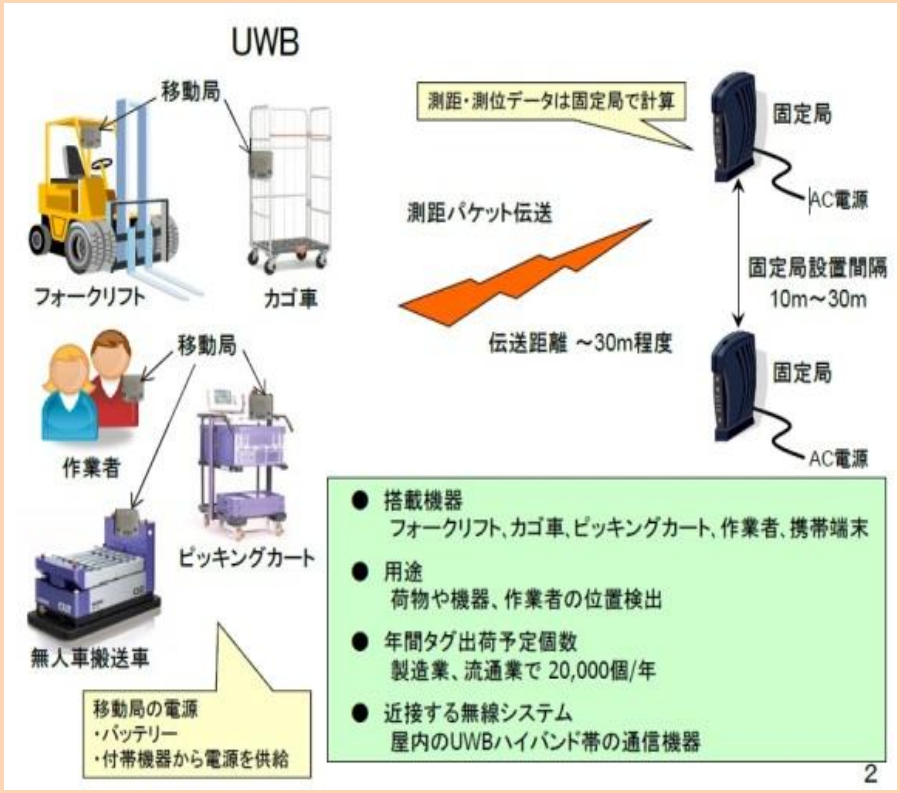
***1.6GHz mobile phone using stationary satellites (in emergency)**

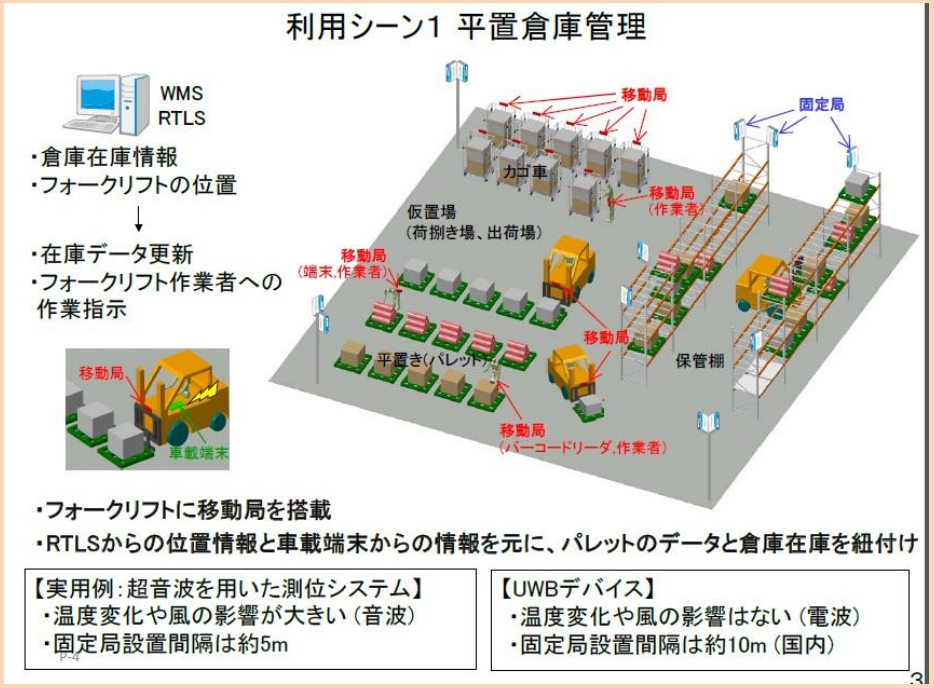
***Ultra　Wide　Band　(7.25－10.25GHz)**

***: after the East Japan Earthquake on March 11, 2011**

UWB（Ultra　Wide　Band）

Use as position sensors in order to know the position of machines and men in factories.





Summary

1. **Regular meetings: 10 times /year**
2. **Protection from IF at Radio telescopes in Japan.**
   Nobeyama, VERA (4stations), Tomakomai, Nagoya U.,
   Kagoshima, etc
   Planning: Yamaguchi, Waseda, Gifu, Tsukuba, Ibaraki,
3. **Meeting on: PLT, UWB, 23GHz Radio Communication,**
   1.6GHz mobile phone using stationary satellites, etc
   number is increasing after the big earthquake!