

VERA+KVN science sub-WG
---Star formation---

Tomoya Hirota (NAOJ)

Membership

- T. Hirota and K. T. Kim (co-chair)
- Japan; 15
 - Sunada, Kameya, Honma, Nagayama, Matsumoto, Kim, Oyama, Imai, Chibueze, Shiozaki, Omodaka, Sugiyama, Yonekura, Motogi (+Hirota)
- Korea; 15
 - Kim Jongsoo, Minh Yong Chul, Byun Do-Young, Lyo A-Ran, Lee Chang Won, Choi Minho, Kang Hyun-Woo, Roh Duk-Gyoo, Kang Miju, Kim Gwanjeong, Park Yong-Sun, Lee Jeong-Eun, Sohn Jungjoo, Kim Chang-Hee (+ Kim Kee-Tae)

Current Status

- The first video/tele-conference will be arranged (early October) --- TBD
- Local informal meeting was held in Japan (September 14)
 - Confirmation of Japanese membership
 - Research interests and possible action items to be discussed in the sub-WG

Informal meeting on Sep. 14

- Preliminary ideas from Japanese side
- Scientific interests
 - Statistical studies of H₂O/CH₃OH masers in MSFRs
 - Extended H₂O maser sources in nearby SFRs
 - Class I 44GHz CH₃OH masers
 - Collaboration with other instruments (e.g. ALMA)
 - (Astrometry, Polarimetry, radio continuum sources)
- Advantage/uniqueness of VERA+KVN array?

Schedule

- First sub-WG in early October (and more)
- Test observations in November
- First scientific project within a few years
- Long-term/Legacy projects within 5-10 years
- F2F meeting if necessary
- Colloquium/workshop to review recent studies on star-formation with VLBI if necessary