CALLISTO checklist for potential hosts

To get an idea about required investment and potential sources of components, please make a tick or cross in the corresponding field (YES/NO).

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| **Required system or sub-system component** | **YES** | **NO** |
| We can design and manufacture and install our own antenna to gain experience and to save money.  Specification: Gain > 6 dB, frequency range either 10-150 MHz for LWA or 45-870 MHz for LPDA (frequencies below 45 MHz require an up-converter) |  |  |
| We can design and manufacture and install our antenna mount/tracking system to gain experience and to save money.  Specification: Either track the Sun or mounted in fixed sky position |  |  |
| We can design and manufacture our own low noise amplifier to gain experience and to save money.  Specification: Noise figure < 1 dB, gain > 15 dB |  |  |
| We can organize low loss coaxial cable between antenna and low noise amplifier including male N-connectors ourselves to get experienced and to save money. |  |  |
| We can organize standard coaxial cable between amplifier and Callisto including male N-connectors ourselves to get experience and to save money. |  |  |
| We can organize a Windows PC or we already have a PC or a Notebook available. Specification: Standard computer, nothing special but Win XP, 7 or 10 |  |  |
| We have a shed or a hut or a container or an observatory in mind |  |  |
| We have permanent electrical power or will provide a UPS (a UPS is desirable in all installations). Specification: 10 W for Callisto and LNA and up to 100 W for PC/Notebook |  |  |
| We can provide permanent internet access with at least 1Mbit/s (~100KByte/s) |  |  |
| We have permanent people available who can operate and maintain the system. Specification: Technical people who can update a PC and operate Callisto 1% Full Time Equivalent |  |  |
| We are willing to provide observational data to the ISWI instrument array data archive e-callisto.org.  Specification: Requires internet access to upload data |  |  |
| We need local support during installation and configuration and we are willing to cover economy air-ticket, local transport, accommodation and meals. |  |  |
| We can do everything ourselves and just need support during configuration via internet Remote Desktop (RDP) or Team Viewer (TV) which is free of charge. |  |  |
| In case we have no further use of the instrument for science or for education or for outreach, we are willing to provide the instrument to someone else. |  |  |

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| **Station parameter** | **To be filled in** |
| Country |  |
| Town, village, location name |  |
| Name of university/college or private station |  |
| Name of contact person |  |
| Email of contact person |  |
| Longitude |  |
| Latitude |  |
| Altitude |  |

|  |  |
| --- | --- |
| Date: | Name: |
|  |  |