

Development of the Observed Data Disclosure System

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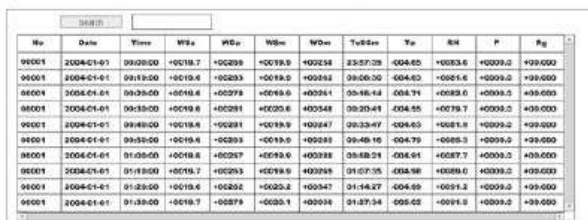
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In June 2003, the Japanese Ecosystem Research Network (JERN) was established to promote LTER activity in Japan. The Long Term Hydro-Ecosphere Research (LThER) in Japan also supports this activity. Most members of JERN are also members of LThER. There are long time observation records in Japan, but it is too difficult to disclose these archives. JERN and LThER decide to set up an automatic observation system for weather data in Japan or gather the weather data by on-line or off-line base. These observation sites are called as Japan Long Term Ecological Research (JaLTER). We are developing a database system for these data observed at JaLTER sites to be accessed through the web. Here we discuss interim progress and the system is still developing.

LThER is set up an observation system at three Experimental Forest in Japan. And observation system send the data to Sojo University via e-mail every day through the cellurer phone. This data format is CSV. Every data send to Sojo University will be archived on XML database and disclose it through the web.

Currently, a table format is shown in Fig.1, and it is possible to display it as some kinds of graphs with SVG.

Keywords: LTER; Archive; Observation data; Disclosure the data; XML database.



No	Date	Time	WPa	WPa	WPa	WPa	Td5Sec	Pa	RH	P	Rg
90001	2004-01-01	09:00:00	+0018.7	+00209	+0019.0	+00216	23:57:29	-004.60	+0033.6	+0009.0	+000.000
90001	2004-01-01	09:15:00	+0019.6	+00203	+0019.0	+00216	09:00:00	-004.60	+0021.6	+0009.0	+000.000
90001	2004-01-01	09:30:00	+0016.8	+00278	+0019.0	+00261	09:16:14	-004.71	+0023.0	+0003.0	+000.000
90001	2004-01-01	09:45:00	+0019.8	+00281	+00205.6	+00254	09:20:41	-004.55	+0076.7	+0003.0	+000.000
90001	2004-01-01	09:49:00	+0019.8	+00281	+0019.9	+00247	09:23:47	-004.60	+0021.8	+0009.0	+000.000
90001	2004-01-01	09:50:00	+0019.6	+00283	+0019.0	+00288	09:48:16	-004.79	+0025.3	+0009.0	+000.000
90001	2004-01-01	01:00:00	+0018.8	+00287	+0019.0	+00288	09:48:21	-004.61	+0027.7	+0009.0	+000.000
90001	2004-01-01	01:15:00	+0019.7	+00283	+0019.0	+00288	01:07:35	-004.98	+0029.0	+0009.0	+000.000
90001	2004-01-01	01:30:00	+0019.6	+00282	+0020.2	+00247	01:14:27	-004.89	+0014.2	+0009.0	+000.000
90001	2004-01-01	01:33:00	+0019.7	+00283	+0020.1	+00248	01:27:34	-005.02	+0014.8	+0009.0	+000.000

Figure 1: A table retrieved through the web site

References

- [1] Japanese Ecosystem Research Network (JERN), <http://www.jern.info/english.html> (under construction)
- [2] Japan Long Term Ecological Research (JaLTER), <http://www.jern.info/jalter/> (under construction)