Repository of Archaeological Reports (RAR) :
e-Science for Archaeologists, Historians and Common researchers

HIRAKAWA Masahito[1], AKATSUKA Jiro[2], MANAKA Takayuki[3], TSUCHIDE Ikuko[4], KANEKO Naoto[5], KAMOTO Sumio[6], FUKUYAMA Eisaku[6], NIWA Yuichi[7], HIROTA Yoshihisa[8], SUNDEN Goro[9]

[1]A Director of the Shimane University Library [2]Aichi Archaeology Center [3]University of Tsukuba Library [4]Osaka University Library [5]Tottori University Library [6]Shimane University Library [7]Kagawa University [8]Kochi Prefectural Culture Foundation Buried Cultural Properties Center [9]University of Miyazaki
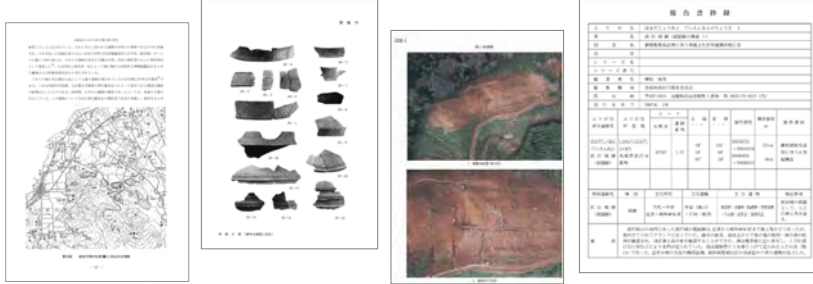
- What is AR?

The Archaeological Report (AR) is a report published after excavation and describes how the site was. It is the essential material for archaeological research and education.

In Japan, more than 2,000 reports are published per year by each local government. It is paper-based-publish and the number of copies is not large (about 300-500, not enough for circulation indeed)

In AR...

the survey data and *research*:

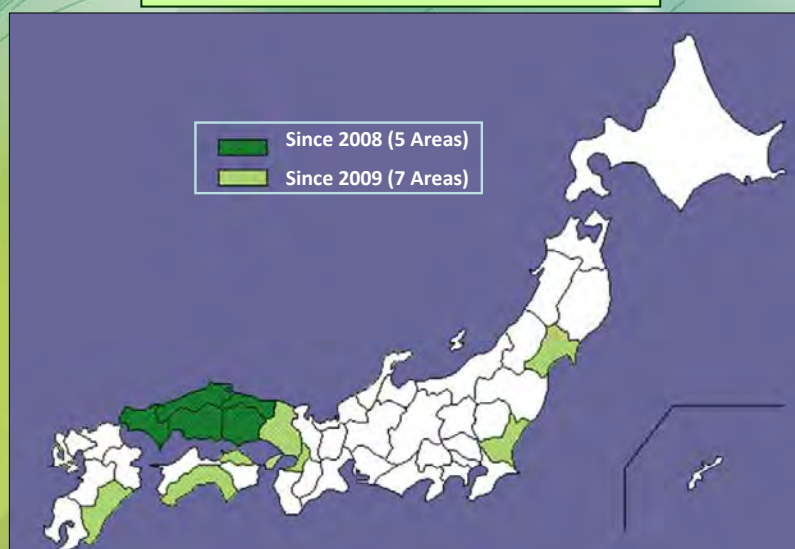location map, articles, plates of

monuments/relics, graphs…

- What is RAR?

The Repository of Archaeological Reports (RAR) project tries to digitize reports to respond to the demand of more circulation, and to open them to public via internet, for research, education and further use.

The RAR server is set up on each prefectural area and contains ARs published within the area. The local governments (prefectures, cities) provide the AR as cooperators. The project was launched in 2008 with 5 areas. New 7 areas joined in this year (total 12 areas). The project is going to continue from next year on and to be expanded the participant areas.

The participant areas

Since 2008 (5 Areas)
Since 2009 (7 Areas)

The Communication server (Portal Page)

News

Integrated Search

Link to Each RAR

- System

Original repository system "Earmas" : developed in Japan

Adopted the OAI-PMH protocols

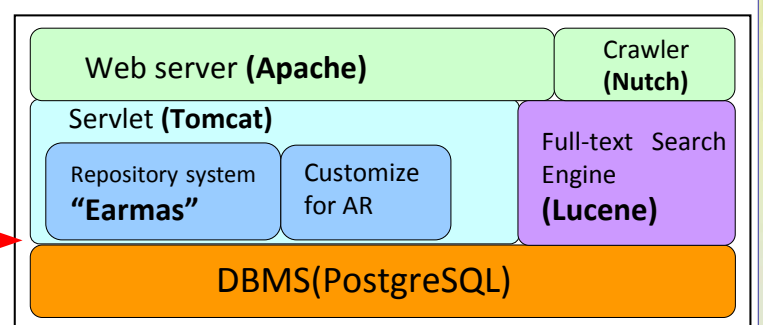Using VMWare to implement the virtual machine environment

→ **VERY EASY Installation and Back up !!**

Host OS (Linux or Windows)
VMWare
Virtual Machine OS (Linux: CentOS)
RAR System
Web server (Apache) — Crawler (Nutch)
Servlet (Tomcat)
Repository system "Earmas" — Customize for AR — Full-text Search Engine (Lucene)
DBMS(PostgreSQL)

- Features

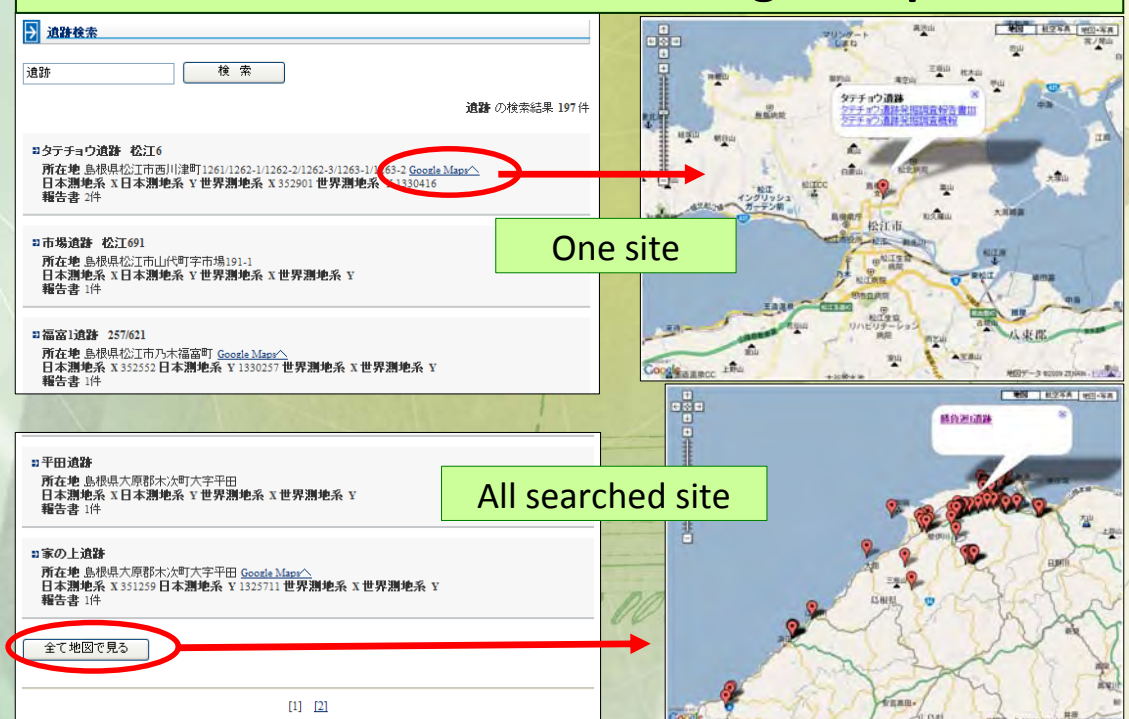Original metadata tag based on both bibliographical and the site-related information:

→ Link to several related databases

Cooperative project by the local governments, archaeologists in the institutes and university libraries

Collection/Preservation/Use of the materials of the regional/local cultural properties

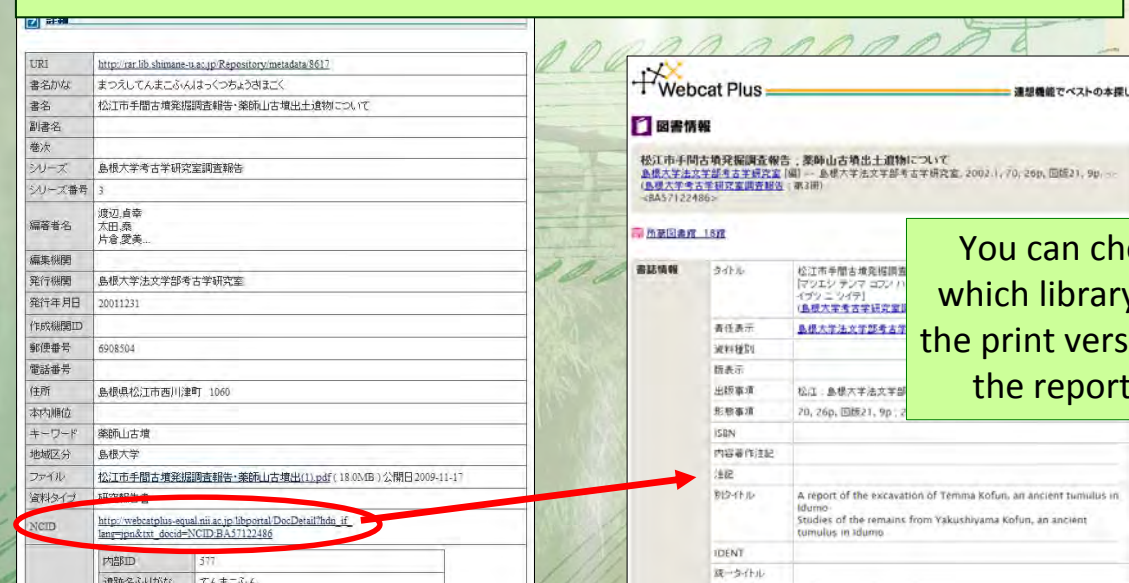**e-Science for archaeology: to put the data in digital common space for common use (for research/education)**

Site name search → Link to Google Maps

One site

All searched site

Title search → Link to Webcat Plus

You can check which library has the print version of the report !!

Why don't you join us?
http://rarcom.lib.shimane-u.ac.jp/