

The Digital Museum project for the documentation of Ikema Ryukyuan

Yukinori Takubo*, Yuka Hayashi*, Tamaki
Motoki*, Chigusa Kurumada**

* Kyoto University, **Stanford University

Goals of the Project

- To design a prototype of the web based museum for an endangered language that is easily updatable, and serves as a basis of collaborative research.
- To provide a forum in which the local people can exhibit their language products.
- To encourage the local people to have a wider access to language resources and to preserve the language and culture of the local community.

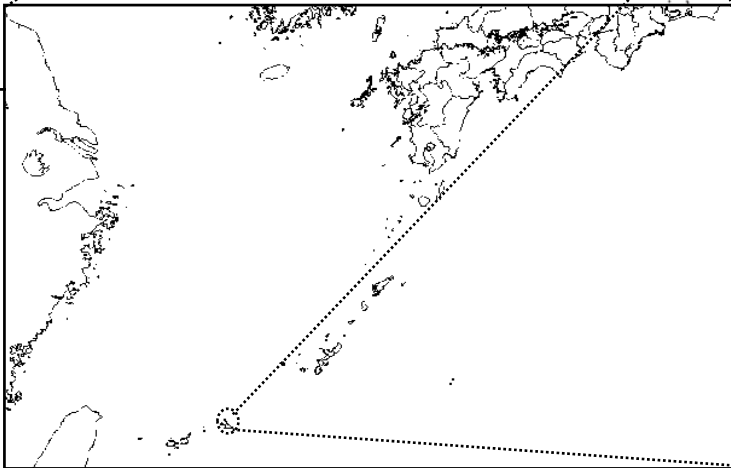
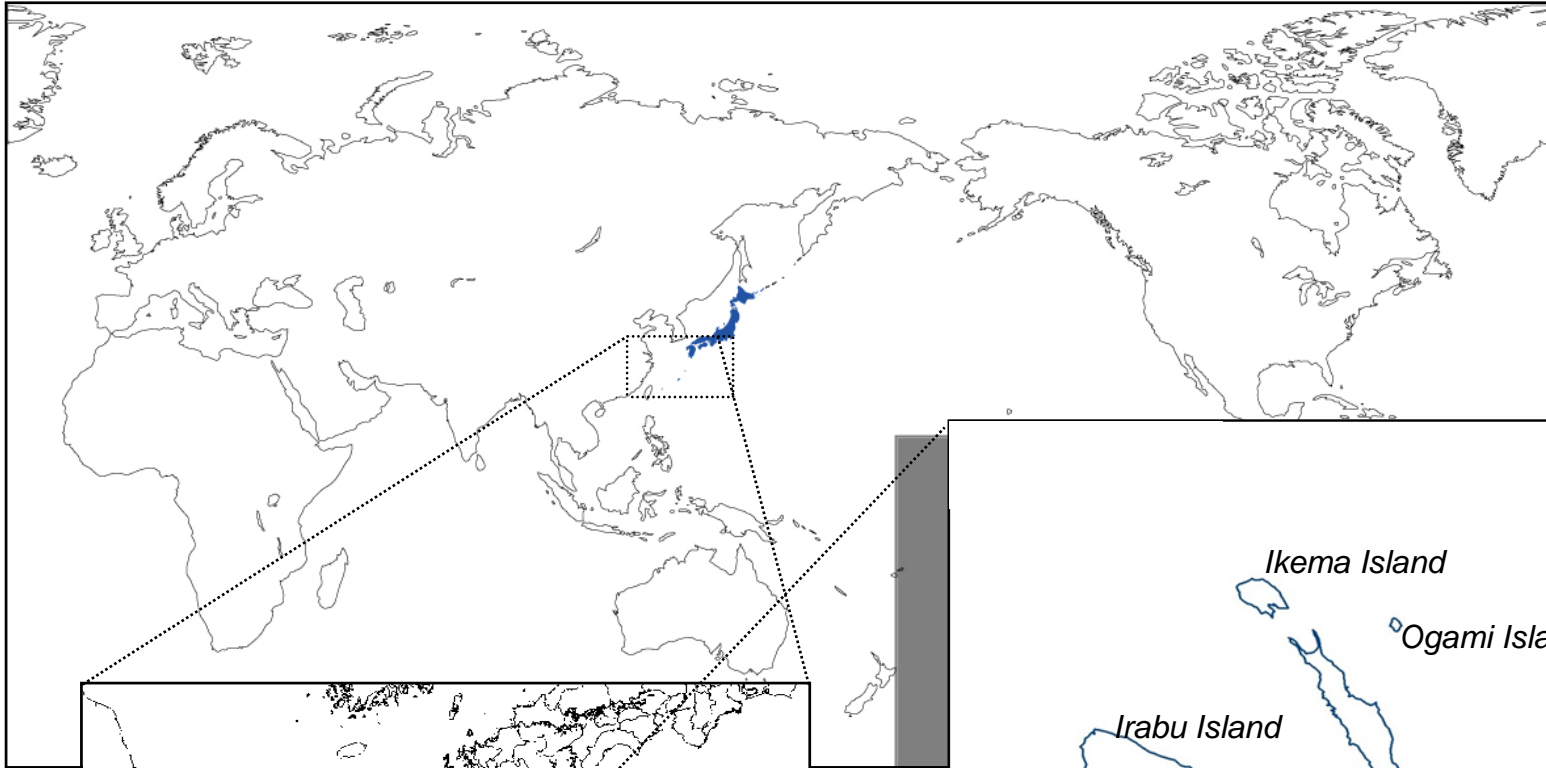
Contents

1. Overview of the language and community
2. Our research group
3. The design features of the museum
4. Some special features of the museum
5. Demonstration

1. Overview of the language and the community

- Ikema is a subdialect of Miyako Ryukyuan, one of the five major dialects of Ryukyuan. Ryukyuan is the only language that has been proven to be genetically related to Japanese.
- Most of the dialects of Ryukyuan are endangered. Ikema is not an exception.

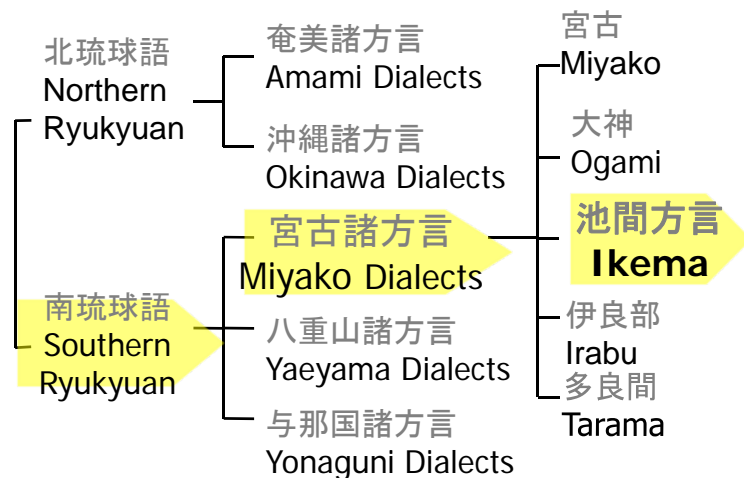
Maps



Ikema Ryukyuan

- Spoken in Ikema Island, Sarahama in Irabu Island and Nishihara/Nishibe in Miyako Island

- Approx. 2000 speakers (Fluent speakers are in their 50's or older)



2.1 About our research group

A two-year project (April 2008-March 2010) by a group of linguists and the Contents Production Team, the Department of Digital Content Research, Kyoto University.

First year: Basic design of a proto-type of the exhibition space with rich interfaces

Second year: Construction of an updating system, and a display of a full exhibition.

2.2 About our research group: Fieldwork

Members : Department of Linguistics (Kyoto University), Iwasaki, Shoichi (UCLA), Ono, Tsuyoshi (University of Alberta), Kubo, Tomoyuki (Kyushu University), Kurumada, Chigusa (Stanford University).

- Fieldwork on Ikema, and on other dialects of Miyako Islands since January 2006.
- Over 400 hours of recordings: natural discourse, interviews, elicitation sessions.

2.3 About the Contents Production Team

The Contents Production Team:

- Specialties: Video shooting and editing, Illustration, web design and contents direction
- Activities: Providing support for multimedia contents production for universities in Japan
 - Teaching Materials
 - Information Materials
 - Web, Video, 3DCGI, Poster etc

3. Design features of the Museum

A four-layered web-based museum

Open access spaces:

1) The exhibition space

Permanent and special exhibition room

2) Library and references

Closed access spaces:

3) Closed library and archives

4) Data storage space

3.1 Closed access space

Closed library and archives:

Access allowed only by registered members.

Store past exhibits with transcriptions, updated archiving information and other annotations.

Data Storage Space:

Access allowed only by the research group members.

Store raw data files with basic metadata.

3.2 Open access spaces

Exhibit Space:

- Special exhibition room
- Permanent exhibition room
- Design for the permanent room
 - Indexing by location
 - Indexing by time line

Examples (1)

Indexing by location



Activities

Map of Nishihara village

Preparing meals, Searching for food

- Saitui (Shrimp-fishing)
- nngii nu paa_aizyuu (Potato leaves dressed with vinegar and miso)

Cash income

- Tamunu (gathering firewood)

Children's play

- Opening a stall (at the village festivals)

[▲ Return to Page Top](#)
[◀ Back to Previous Page](#)

Movies : L...nd Culture

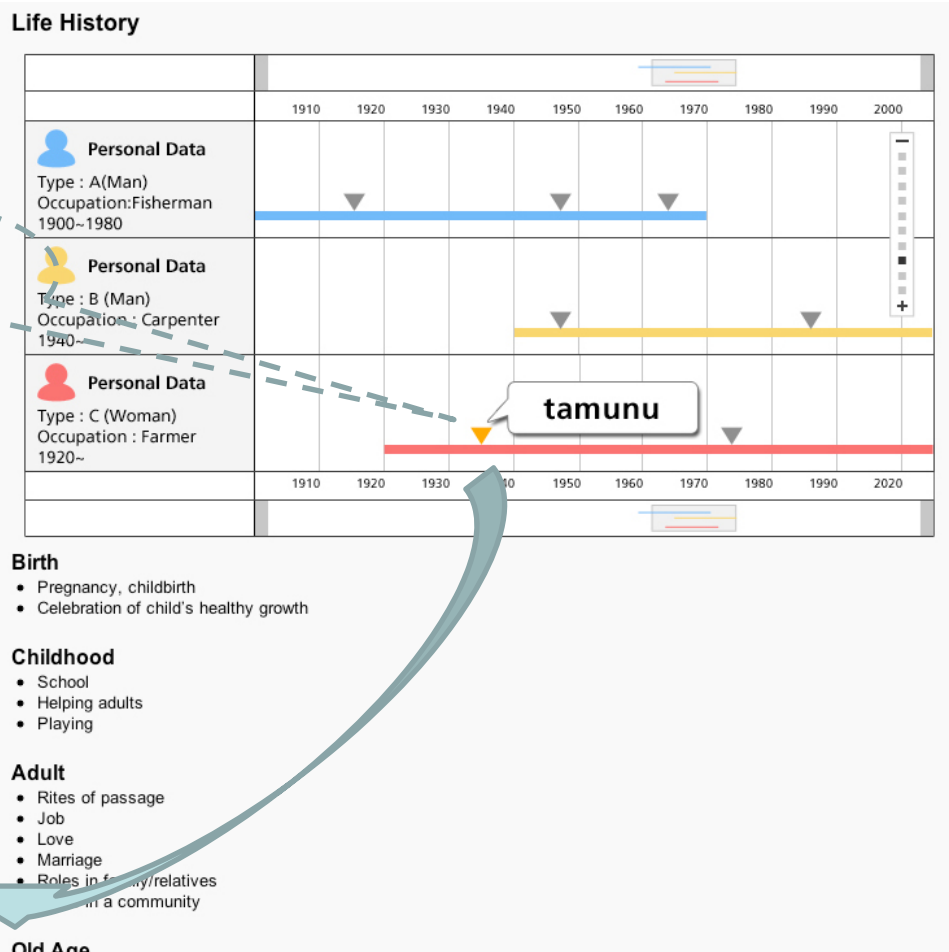
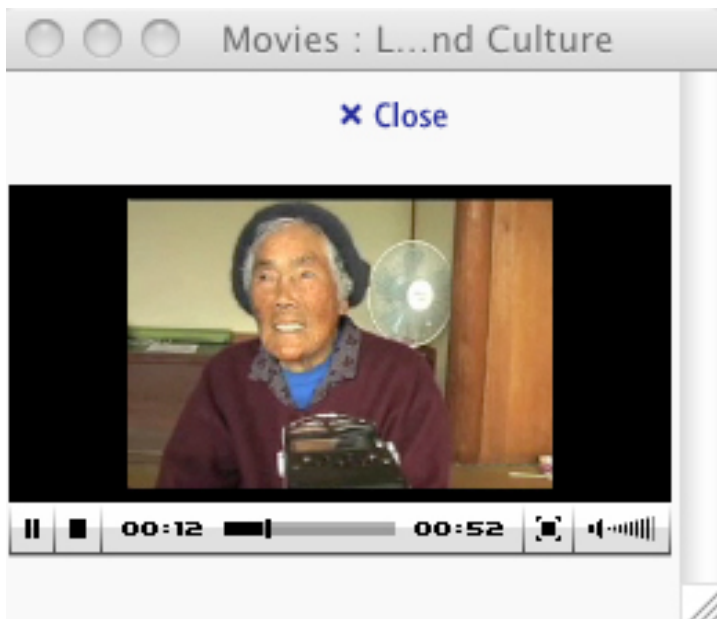
× Close

00:02 | 15:00

Examples (2)

Indexing by time line
(Life history)

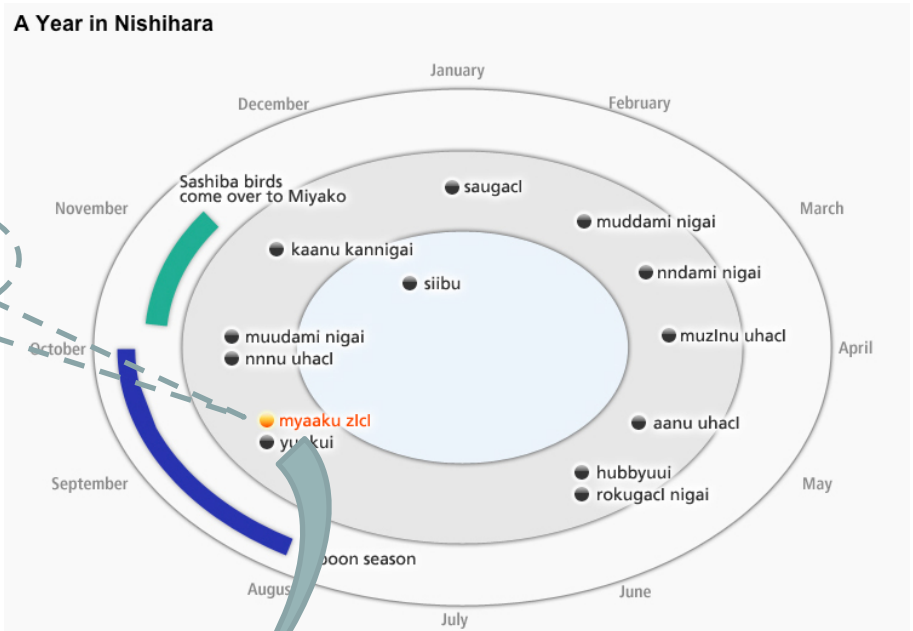
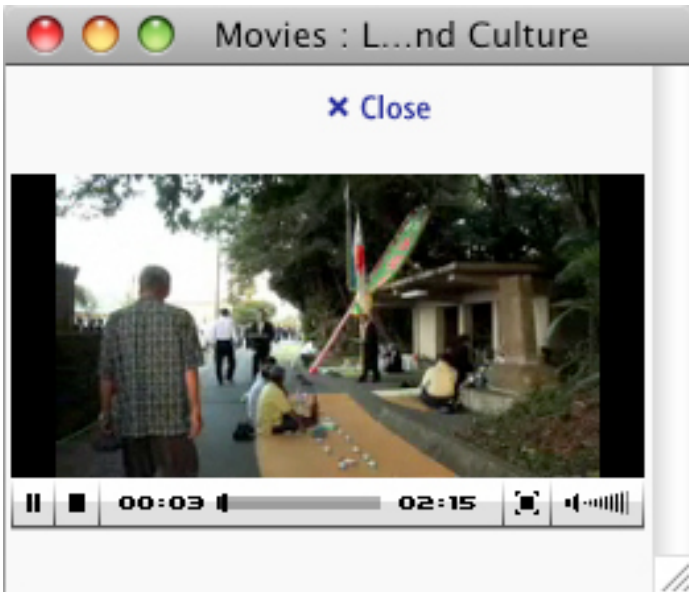
Click!



Examples (3)

Indexing by time cycle
(e.g., A year in Nishihara)

Click!



Myaakuzicl

Maakuzicl is a festival in Nishihara to pray for rich harvest, conducted mostly by men. It is held for four days around August or September on the 甲午 (Kinoo Uma no Hi), i.e. the 31st day in the sexagenary (60 day), cycle of the Chinese Lunar calendar. The festival is conducted by Nanamui, a group formed for conducting community rituals. The first day is called Arabi, the second, Nnakanuhi, the third Atunuhi, and the last Buutui. On Nnakanuhi, a ritual called Masumui is conducted to write in the names of the newly born babies on the notebook of the Deities. There are parades, Kuityaa dances and Sumo wrestling dedicated to the Deities.



Why 'museum'?

- Why use the metaphor of a 'museum' ?
- Or more specifically, 'Why do we need an exhibition space of a museum?'

3.3 The purpose of the exhibition space

The purpose of creating the exhibition space is two fold:

- To provide a forum for the local people.
- To make a new and more insightful interpretation of raw data files for display.

3.3.1 To provide a forum for local people:

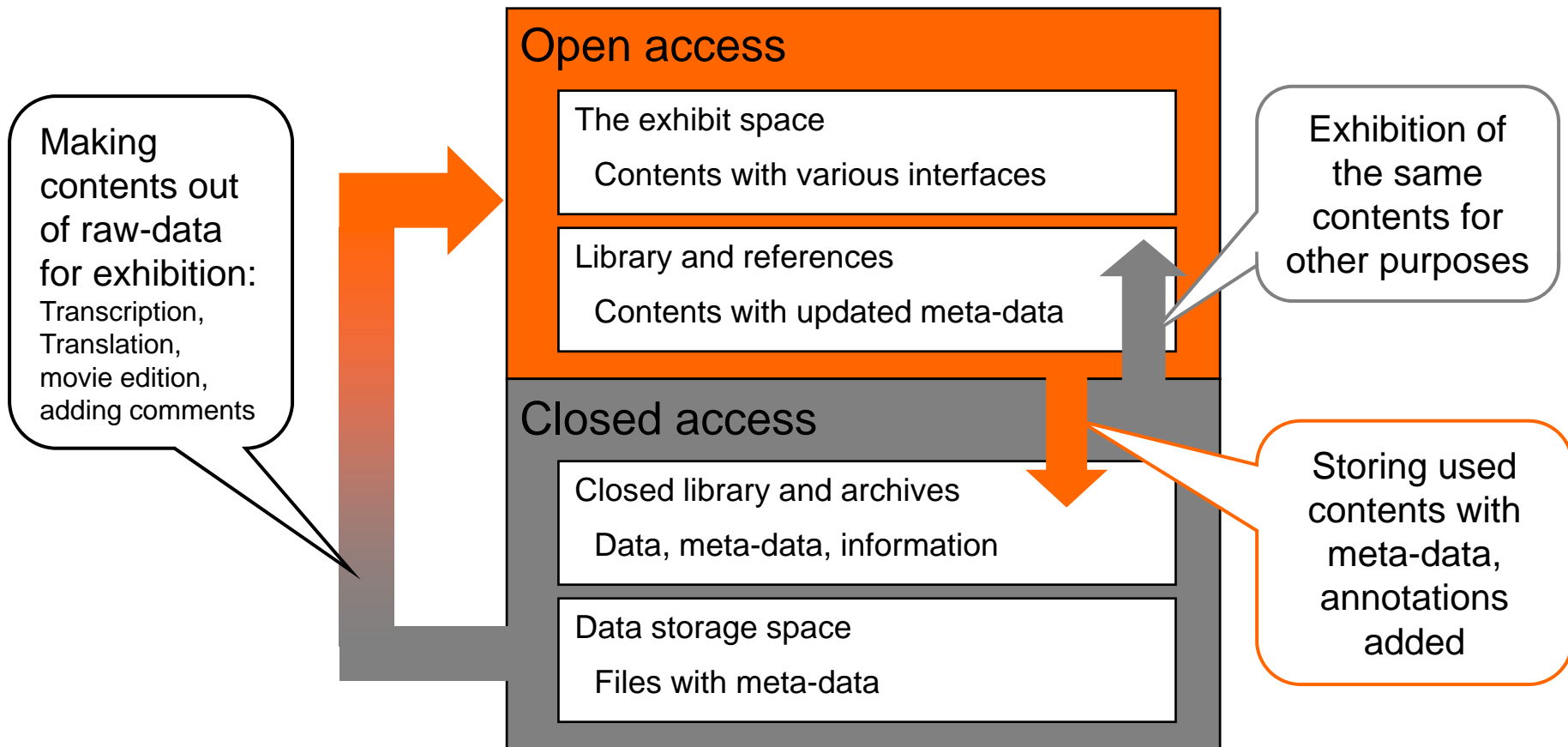
- To preserve audio/video recordings of the important events in the community (i.e. the recordings can be used by future generations as “implementation manuals” of the events).
- The local people can display their works and performances, e.g. story books for children, vernacular musicals, or songs.

3.3.2 Meta-data updating through exhibition

- More detailed meta-data and annotations are added to sound/ movie files as they are transferred from data storage space to exhibit space.
 - The annotated data can be shared and used for another exhibition by researchers with different interests.
- >Resolution of conflicts referred to by Prof. Himmelmann

3.2.3 Design features of the Museum

- A four layered web-based museum



4. Some special features of the Museum

- Easy updating
- Use of links

4.1 Updating

- Researchers can directly update the website through the internet by filling in the template.
- The display is not based on any particular program.

The standards set by W3C (World Wide Web Consortium) are followed in principle to construct the web.

Updating

- Previous methods: manual rewriting of action scripts.

Action script Configuration file

```
base1_pb.autoRewind = true;
base1_pb.addEventListener(MouseEvent.CLICK, xComplete);
base1_pb.contentPath = "video/myaakuzicl_inzyau_speech.flv";
function xComplete(evt:Object):Void {
    base1_pb.play();
}

base2_pb.autoRewind = true;
base2_pb.addEventListener(MouseEvent.CLICK, xComplete);
base2_pb.contentPath = "video/myaakuzicl_inzyau_speech_en_dialect.flv";
function xComplete(evt:Object):Void {
    base2_pb.play();
}

base3_pb.autoRewind = true;
base3_pb.addEventListener(MouseEvent.CLICK, xComplete);
base3_pb.contentPath = "video/myaakuzicl_inzyau_speech_en_trans.flv";
function xComplete(evt:Object):Void {
    base3_pb.play();
}
```

HTML file

```
<meta http-equiv="Content-Style-Type" content="text/css" />
<title>Useful Expressions - Study Room | The Ryukyu Archipelago : Nishihara Village, Miyako Islands : Digital Museum for Language and Culture</title>
<link rel="stylesheet" href="...../common/css/import_movie.css" type="text/css" media="all, screen, tv" />
<head>
<body>

<div class="of">
<h3>Important Words and Phrases</h3>
<h3>
<h3>
<div-a href="...../study/glossary/hanami.html" target="_blank">nanami</div-a>
<h3>
</div>
</div>
</div>
</div>
<div class="footer">
<div class="c">img src="...../common/images/br.gif" alt="" width="11" height="11" /></div> ← Important Words and Phrases List
</div>
</div>
```

Movie1

Movie2

kagi myaakuzic cya nkaisamai omedetoo gozaimasu

Movie3

Congratulations for this year's Myaakuzicl festival.

Updating

The method to be adopted for the Digital Museum:
Pages can be updated by filling in the form

The screenshot shows a Mozilla Firefox browser window with a form for updating a page. The form is organized into two main sections:

- HTML file**:
 - Contents Title:
 - Explanation:
 - PDF Files:
 - Important Words and Phrases List:
 - Link List:
- Action script Configuration file**:
 - Movie1:
 - Movie2:
 - Movie3:

At the bottom of the form, there are two buttons: and .

Updating

- The updated page looks the same as the one made by previous methods

Useful Expressions : Study Room | The Ryukyu Archipelago : Nishihara Village, Miyako Islands : Digital Museum for Language and Culture - Mozilla Firefox

file:///C:/Documents and Settings/CPTEndeavor/デスクトップ/web/e/archives/movie/inzyauuya_speec

The speech of the representative of Inzyauuya

Explanation

Maakuzici is a festival in Nishihara to pray for rich harvest, conducted mostly by men. It is held for four days around August or September on the 甲午 (Kinoe Uma no Hi), i.e. the 31st day in the sexagenary (60 day), cycle of the Chinese Lunar calendar. The festival is conducted by Nanamui, a group formed for conducting communal rituals. The first day is called Arabi, the second, Nnakanuhi, the third Atunuhi, and the last Butuui. On Nnakanuhi, a ritual called Masumui is conducted to write in the names of the newly born babies on the notebook of the Deities. There are parades, Kutyaa dances and Sumo wrestling dedicated to the Deities.

Text (PDF)

ohayao gozaimasu
Good morning.

Subtitle on Nsimurafuci English Subtitle Subtitle off

Links

- Inzyauuya
- Masumui

Important Words and Phrases

- nanamui

4.2 Use of links

- One file can be used for various exhibits. Links to the same file are made from various places.

See demo.

- One and the same file can be shown in different ways in different spaces.

See demo.

4.3 Other characteristics

- The system, once completed, can easily be used to create similar websites for other languages and cultures.

5. Demonstration

Acknowledgements

Thanks are due to

- The people in Nishihara:
Hiroyuki Nakama, Chieko Hanashiro, Tadashi Nakama Kazuko Akamine, and other residents of Nishihara, who helped us in various ways.
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