

The logo consists of three stylized human figures in blue and red, followed by the letters 'iif' in a bold, sans-serif font. The first 'i' is blue, the second 'i' is red, and the 'f' is blue.

iif in InvenioRDM

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Data Futures GmbH

- Not-for-profit based in Leipzig, Germany
- People and facilities in Germany, France, Switzerland and UK
- RDM project partner
- *hasdai* project partnership with CERN (<https://repositories.hasdai.org/>)
 - Operates Invenio “corpus” repositories
 - Large life science and humanities datasets

IIIF

International Image Interoperability Framework (<https://iiif.io/>)

- Tools designed for standardizing image delivery
 - Particular focus on efficient access to repository grade (ie large!) images
- Image API
 - Programmatically request images - or parts of - at different sizes and qualities
- Presentation API
 - Groups IIIF images into 'manifests'
 - Described by (minimal, unstructured) metadata
 - Enables annotation
- IIIF viewer applications
 - Mirador, Universal Viewer...

IIIF Support in InvenioRDM

- InvenioRDM added Image + Presentation API in 9.1
 - Collaborators: CERN, Universität Hamburg, Data Futures
 - All images available via image API
 - All records serializable as presentation API manifest

Published 1980 – 2000 | Version v1

Image Open

Earth from space, composite image

NASA

Preview



Description

Earth at night, viewed from space. 13500x6750px.

Files

Files (34.7 MB)	
Name	Size
earth2.tiff md5:3d892b2bb6f13961425c674c3c5974	34.7 MB

Edit
New version
Share

Versions

Version v1 1980 – 2000

Details

Resource type
Image

Publisher
rdm10test0

Rights

Creative Commons Attribution 4.0 International

Export

JSON Export

Advantages of IIF in a repository

- FAIR IIF resources
 - Persistently identified and versioned
 - Structured metadata with powerful search
 - Open and interoperable by design
- Ease of use
 - Simple drag + drop import
- Does the heavy lifting
 - IIF powered preview of large / non-web formats
 - Automatic manifest generation

What problems does repository backed IIIF solve?

- Standalone IIIF services are not FAIR
 - IIIF (manifests) explicitly **not designed to**
 - enable discovery
 - make metadata semantically available
 - <https://iiif.io/api/presentation/2.0/#objectives-and-scope>
- Current state of real-world interoperability is poor
 - In preparing an MSc module with Oxford, >50% of 'open' manifests did not interoperate
 - Lack of persistence
 - Resources get moved
 - Images get re-digitized/re-versioned
 - Standards compliant(-ish)
 - Different servers/viewers do things slightly differently
 - Viewing in other tools not (sufficiently) tested
- RDM IIIF implementation is strictly standards compliant, tested with major viewers
- Persistent/versioned images ensure references to / annotations on them also persist

 **RDM extensions**

73 result(s) found

Default ▾

Versions

View all versions

Resource types

Clear

> Publication

73

Help

[Search guide](#)

1898 (v4) Book Open



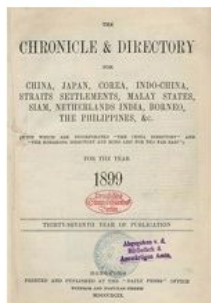
THE CHRONICLE & DIRECTORY

D., Warres-Smith

1898 edition

Uploaded on May 11, 2023

1899 (v4) Book Open



THE CHRONICLE & DIRECTORY

D., Warres-Smith

1899 edition

Uploaded on May 11, 2023

IIIF + PIDs

Persistent identifiers prevent IIIF resources becoming disconnected

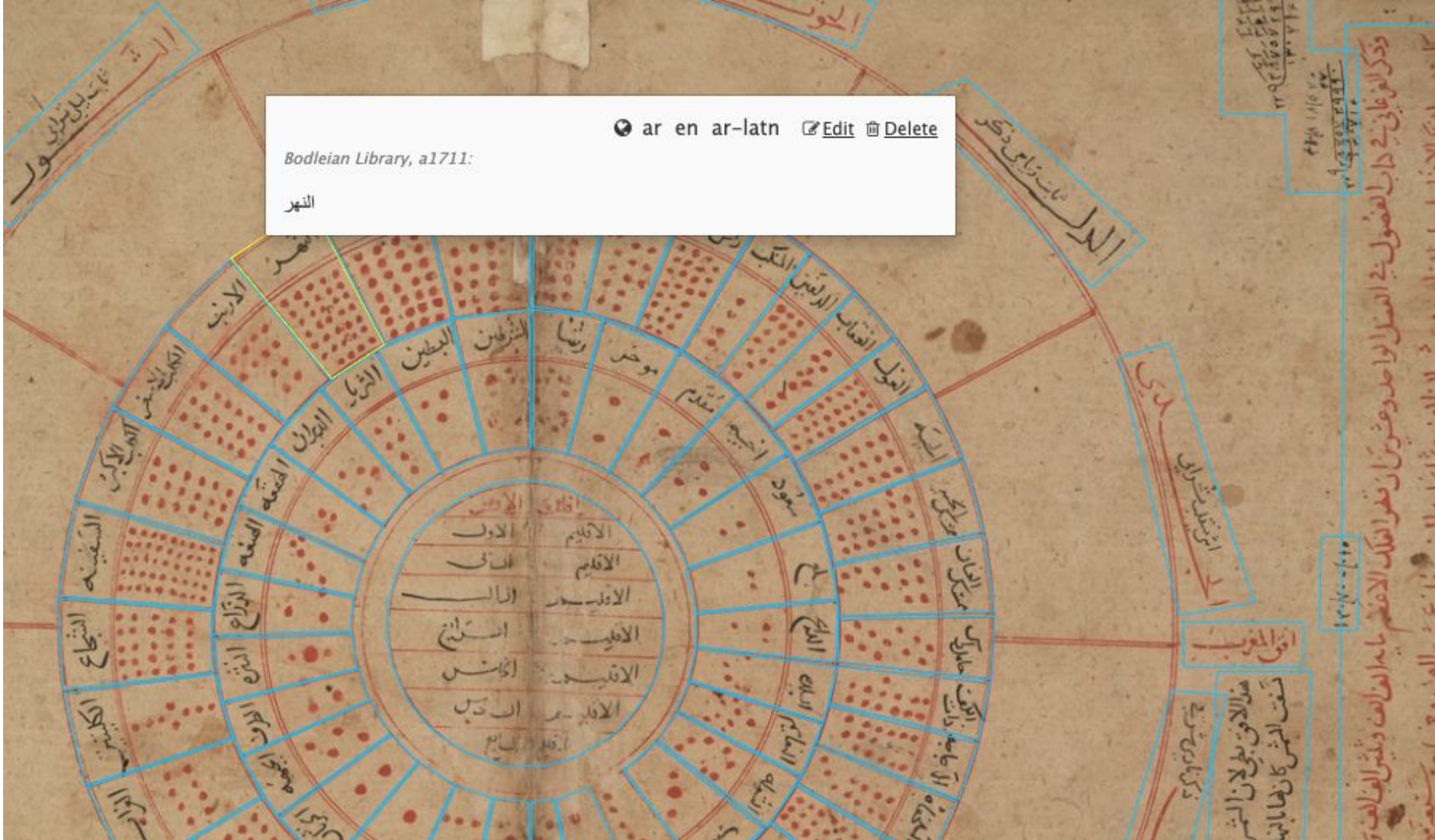
- Handle for an RDM record:
 - 20.500.14202/hasdai.7b7c7-j3nb8
- Derived PIDs (via handle namespaces)
 - 20.500.14202/hasdai.7b7c7-j3nb8@iiif_manifest
 - 20.500.14202/hasdai.7b7c7-j3nb8@iiif_image:page-001.jpg
 - 20.500.14202/hasdai.7b7c7-j3nb8@iiif_image:page-001.jpg/full/!800,800/0/grey.png

Annotation on resources

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Bodleian Library, a1711:

النهر



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هذا الاقرب
بطلان الشهر
سقطت المش
كانها بالثمن

ذكر الفعالي في باب العضول في الفصل الواحد وعشرين ان قطر القلاد الاقظم ياب الفاعف ويثقل الفاعف و
كان دور القلاد الاقظم اربعا اقسام وعشر الفاعف وثانها ياب الف وثمانين عشر الف وحسبها وكن ببعضها

A morphological and molecular review of the genus *Goniurosaurus*, including an identification key

Ngo, Hai Ngoc ; Nguyen, Huy Quoc ; Tran, Hieu Minh ; Ngo, Hanh Thi ; Le, Minh Duc ; Gewiss, Laurenz Rafael ; van Schingen-Khan, Mona ; Nguyen, Trung Quang ; Ziegler, Thomas

The genus *Goniurosaurus* (tiger geckos) currently consists of 23 species distributed in China, Japan and Vietnam. Several species complexes and recent discoveries of cryptic species pose challenges to the species identification, which is crucial to effectively implement the recent listing of the species from China and Vietnam in CITES Appendix I and the species from Japan in CITES Appendix III. Based on the results of our field work in northern Vietnam and data compiled from literature, we herein provide a taxonomic review of the genus *Goniurosaurus*. Our phylogenetic analyses showed that all recorded populations of tiger geckos from Vietnam, which were found to be monophyletic with low intra-specific genetic divergences, are assigned to one of the four species: *G. catbaensis*, *G. huilensis*, *G. lichtenfelderi* or *G. luii*. Both genetic and morphological analyses confirm that the species from China and Vietnam can be split into three major groups. Based on the newly collected data, we provide an extended morphological description of the Vietnamese species. In addition, we provide an identification key for all *Goniurosaurus* species from China, Japan and Vietnam in order to assist authorities in the enforcement of the recent CITES listing.

Licenses

Creative Commons Attribution 4.0 International



Versions	
Version v2	May 31, 2021
Version v1	May 31, 2021

[View all 2 versions](#)

Export

[JSON](#)
[CSL](#)
[DataCite JSON](#)
[DataCite XML](#)
[Dublin Core XML](#)

Mirador Preview

A morphological and molecular review of the genus *Goniurosaurus*, including an identification key

Annotations

genus: *Goniurosaurus*
species: *splendens*

G. *kuroi*wae (Namiye, 1912)

taxonomicName

order: Squamata

family: Eublepharidae

genus: *Goniurosaurus*

species: *kuroi*wae

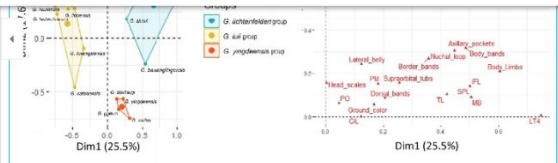


Fig. 6. A. Multiple correspondence analysis (MCA) on meristic variation among 17 recorded species of *Goniurosaurus* Grismer, Viets & Boyle, 1999 in China and Vietnam. **B.** Correlation between meristic variables and principal dimensions (Dim1 and Dim2).

and body bands highly account for the Dim1 score, whereas the characters of prelocaal pores (PP) and granular scales surrounding dorsal tubercles (GST) are the most correlated with the Dim 2 score (Fig. 5B).

Key to the species of *Goniurosaurus* (Fig. 7, Table 1)

Modified from Grismer *et al.* (1999, 2002); Vu *et al.* (2006); Orlov *et al.* (2008); Ziegler *et al.* (2008); Wang *et al.* (2010, 2013, 2014); Nguyen (2011); Chen *et al.* (2014); Yang & Chan (2015); Honda & Ota (2017); Zhou *et al.* (2018, 2020a, 2020b); Qi *et al.* (2020a, 2020b) and the present study.

1. Prelocaal pores in males present claws are sheathed by scales 7
– Prelocaal pores absent unsheathed claws (*G. kuroi*wae group) 2
2. Yellow brown to gold iris; a single scale at the base of each digit which is occasionally slightly enlarged *G. yamashinae* (Okada, 1936)

Arundel Or 54

Hintze, Almut

Hosting Institution:
British Library

[Show affiliations](#)

Preview

Mirador Preview

Arundel Or 54

Annotations

spā. humatācā. hixtācā.
huuarstācā.

paitireciā. diiōh. višpā.
dušmatācā. du-

žixtācā. dužuuarōštācā.

Y.0.5:

frā.virāhā.

amašā. spēntā. yasnēmčā.
vahmēmčā.

parā. mananḥā. frā.
vacarḥā. frā. šīiao-

šanā. frā. anḥā.yā.
forātānuuascīḥ. x-

axiā. uštānem.

Y.0.6:

1 of 313 - arundel_or_54_1001r.tiff

Summary

InvenioRDM -

- is a FAIR repository for image resources
- is powered by IIF
- is easy to use
- easily handles large numbers of repository grade images
- powers image based research activities