

Universitas Sumatera Utara

Department of Architecture https://arsitektur.usu.ac.id/

Transformation Towards the Ultimate



INTERNATIONAL SUMMER COURSE USU 2023 BUILDING SURVEY OF VERNACULAR ARCHITECTURE OF NIAS ISLAND

HERITAGE hands on

Ulrike Herbig TU Wien, Research Unit of Building History and Building Archaeology ICOMOS Austria

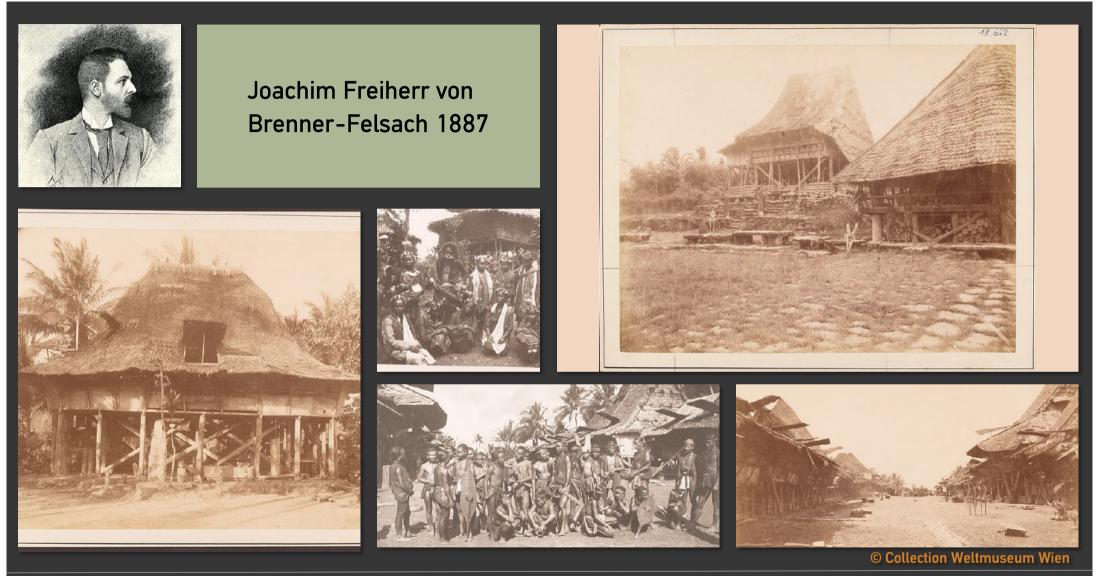
TINUS I

SUMMER COURSE

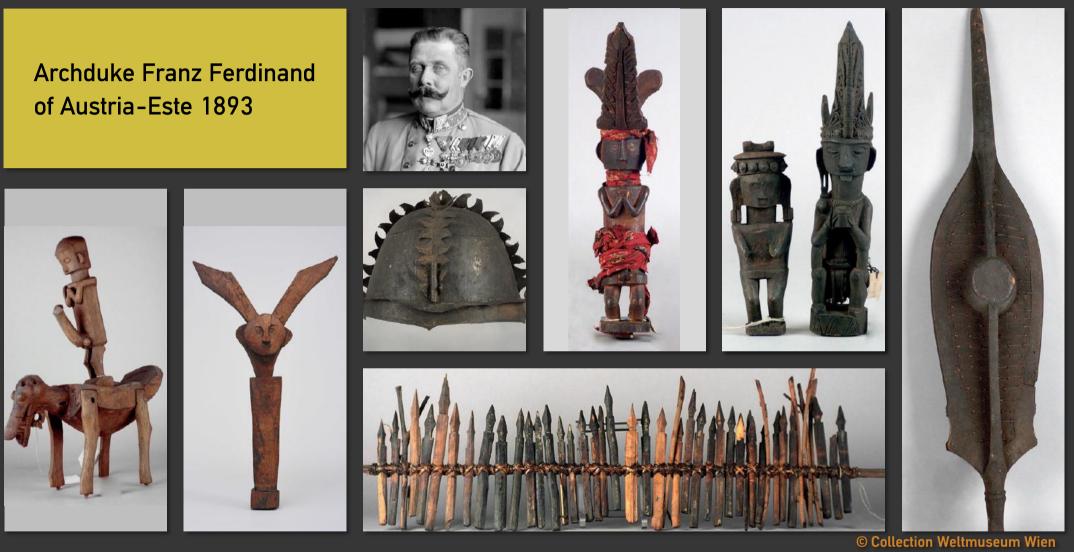
ARCHITECTURE

01st - 10th August 2023

In Collaboration with: 🔘







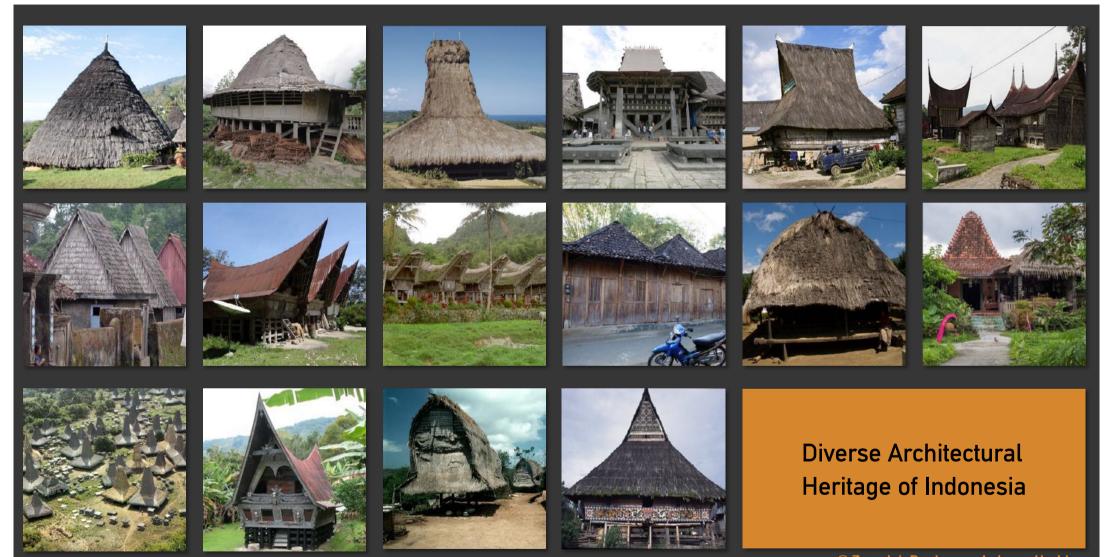
BAUGESCHICHTE BAUFORSCHUNG











© Zamolyi, Doubrawa, Lehner, Herbig



Research on Traditional Art and Architecture in Northern Sumatra and Nias 2003















Nias Architecture Typologies







Adaptations and New Interpretation of Traditional Architecture











INSTITUT FÜR VERGLEICHENDE ARCHITEKTURFORSCHUNG

Ulrike Herbig Architektur und Kultur in Nordsumatra und Nias



EINE DOKUMENTATION ENTSTANDEN IN ZUSAMMENARBEIT VON INSTITUT FÜR VERGLEICHENDE ARCHITEKTURFORSCHUNG TECHNISCHE UNIVERSITÄT WIEN UND BAYERN ALPHA OSTERREICH















Earthquake March 2005 Documenting the Impact August 2005



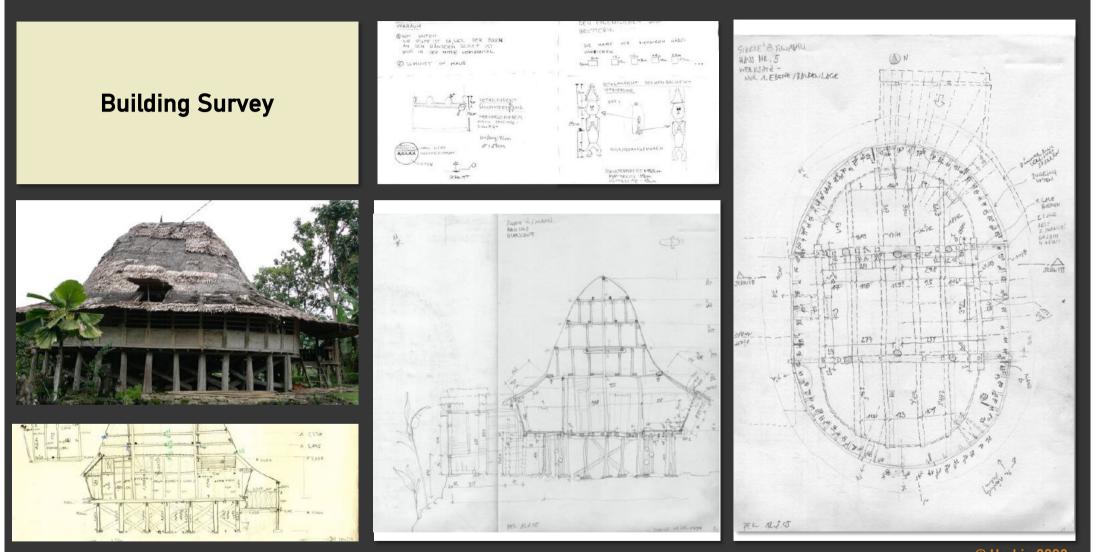






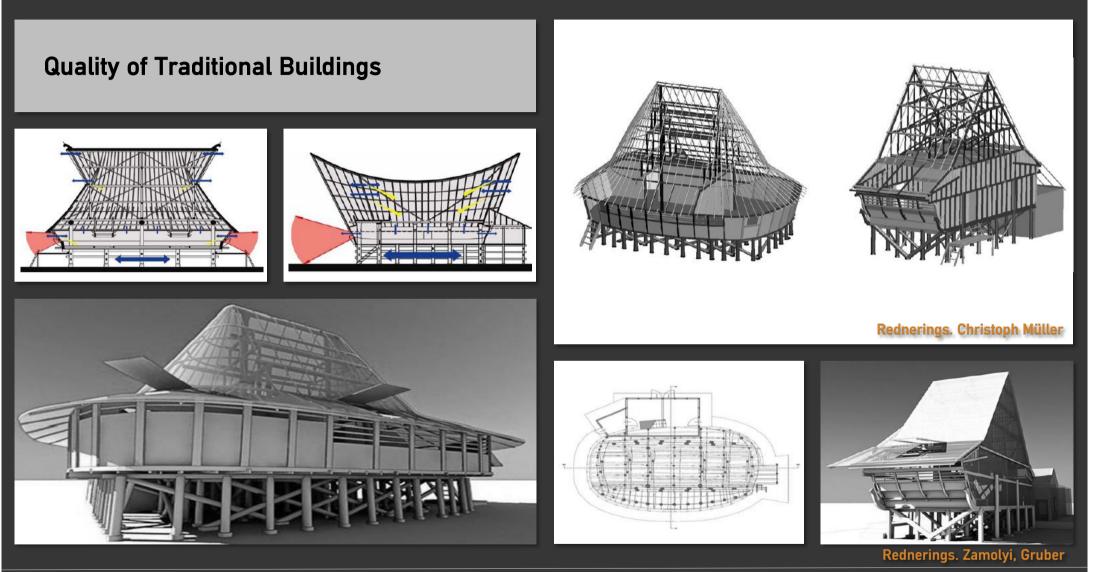
© Gruber, Herbig 2005























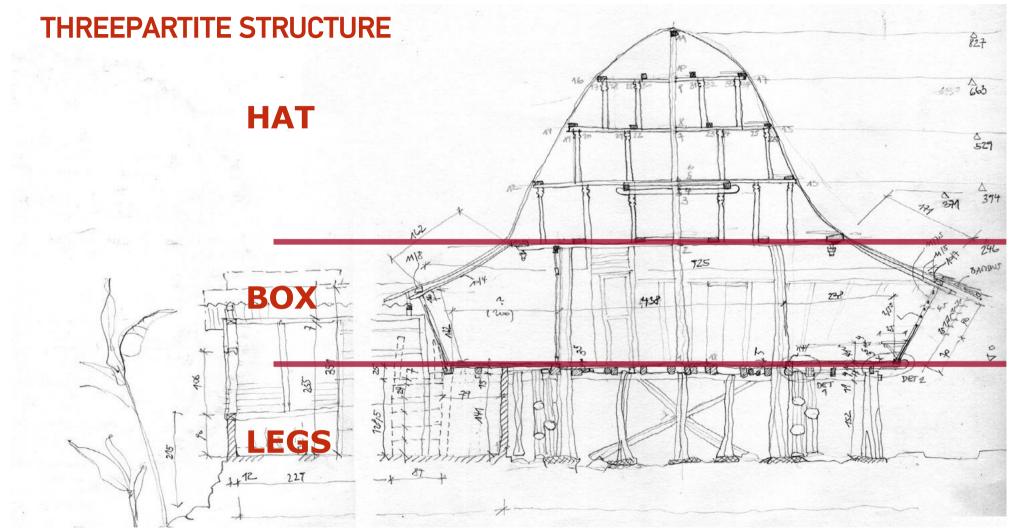
Diagonal struts as means for stabilisation of Buildings





© Zamolyi Ferenc





Sketch: Petra Griuber 2003

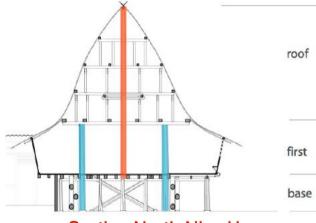




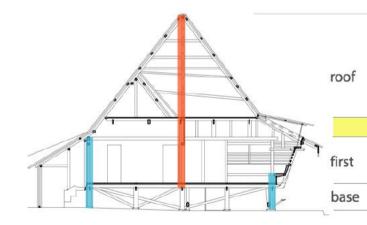
Roof Omo Sebua Onohondrö

Living Floor, Bawömataluo

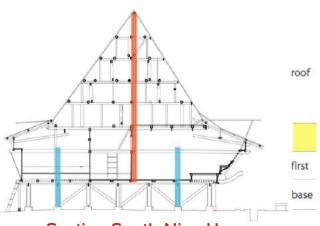
V-shaped Bracings



Section North Nias House



Section Middle Nias House

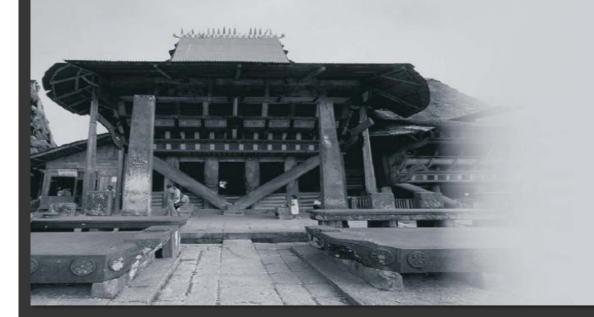


Section South Nias House © Herbig, 2003, CAD Gruber 2006





TRADITIONAL ARCHITECTURE AND ART ON NIAS



Conference at the Museum for Ethnology, Vienna October 30th and 31th 2006

A-1010 Wien - Neue Burg







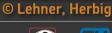




INSULAR DIVERSITY Architecture · Culture · Identity in Indonesia

eds: Erich Lehner - Irene Doubrawa - Ikaputra





ARCHITECTURE • CULTURE • IDENTITY IN INDONESIA International Symposium May 18th • May 21st 2011 http://indonesiasymposium.com

Vienna University of Technology Karlsplatz 13 A-1040 Wien Institute 251-1 History of Architecture and Building Archaeology in cooperation with the Institute for Comparative Research in Architecture, the University of Vienna, the Museum of Ethnology in Vienna, the Indonesian Embassy in Vienna, and the Austro-Indonesian Society

TECHNISCHE UNIVERSITÄT WIEN · FESTSAAL

Building Survey of Vernacular Architecture on Nias Island

INSULAR DIVERSITY:











Architecture, Space, and Society in Post-disaster Built Environment in Indonesia

Disaster Risk Management in Indonesia -Learning from the Impact of Relief Processes











Disaster Risk Management in Indonesia – Learning from the Impact of Relief Processes



Host Institutions: Vienna University of Technology, Austria University of Vienna, Austria

Cooperation Partners: Gadjah Mada University (UGM), Yogyakarta, Indonesia University of North Sumatra (USU), Medan, Indonesia Graduate Institute of International and Development Studies, Geneva, Switzerland Museum Pusaka Nias, Gunungsitoli, Indonesia

Associate Partner:

International Labour Organization (ILO)





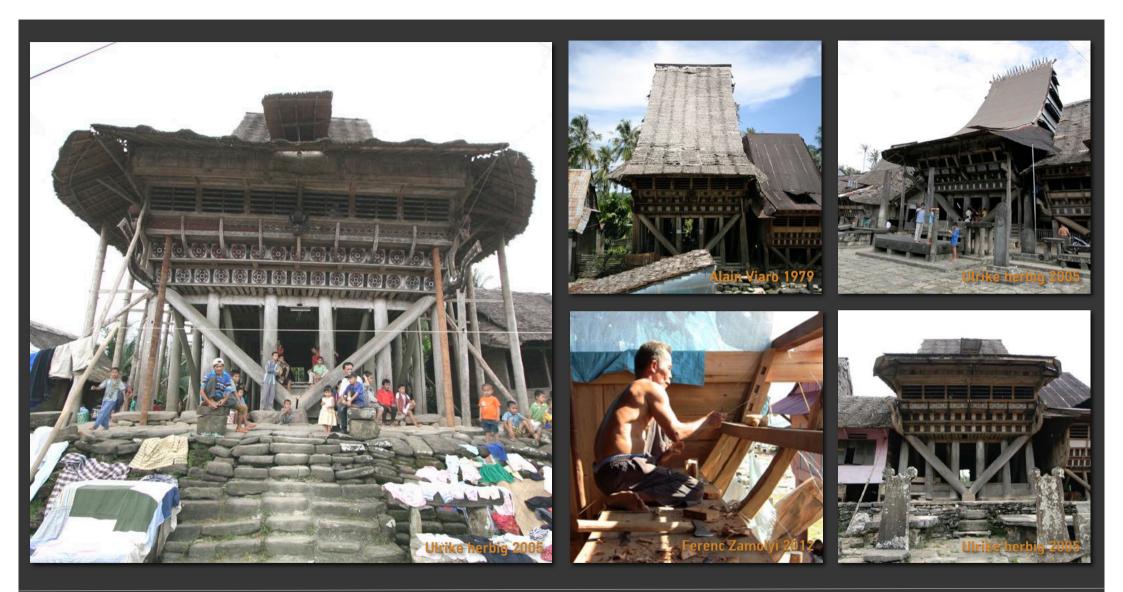
© Herbig 2003



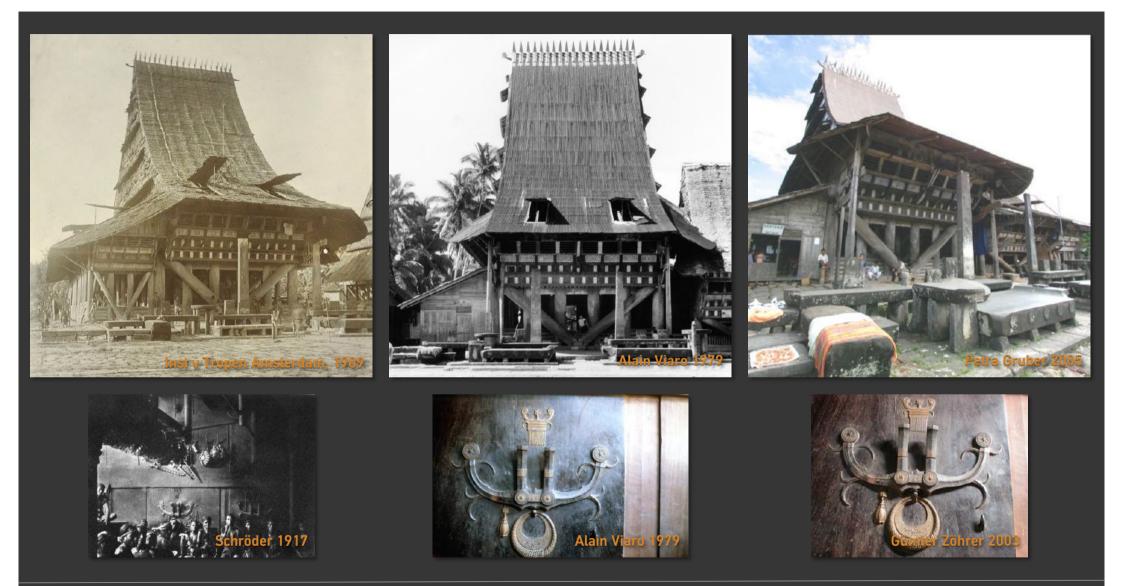


© Gruber, Herbig 2005

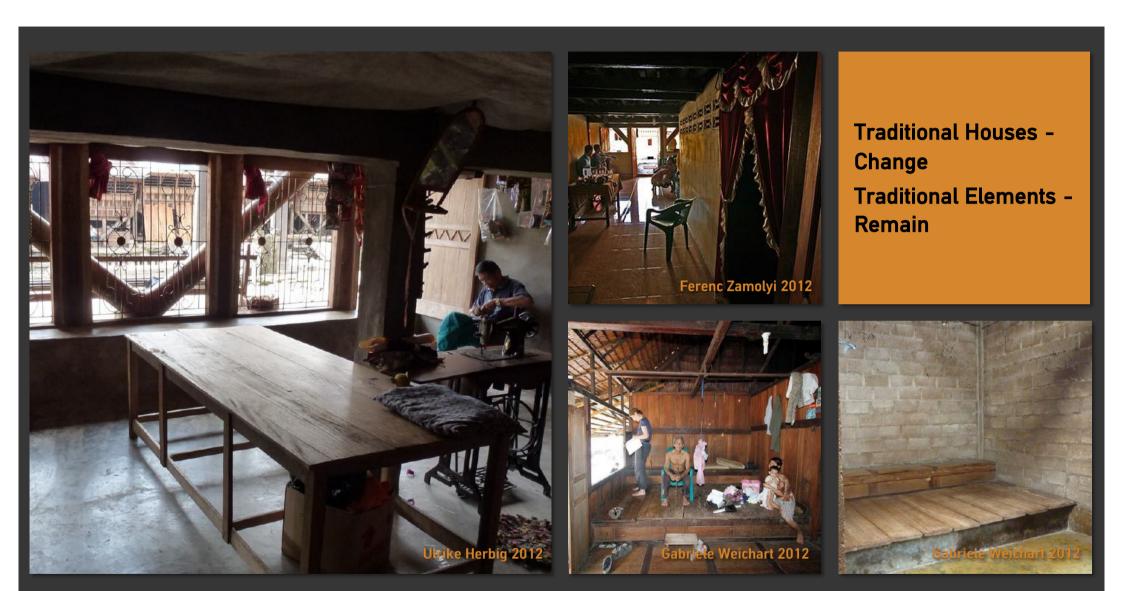














Function Analysis







- 2 bath 3 stabling room 4 terrace 5 living room, with tv
- 6 corridor
- 7 sleeping room -father with first and third child









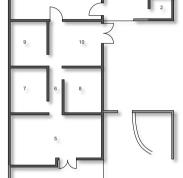


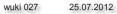
neigh

6. corridor

- 1 outside kitchen to cook with wood

- 8 sleeping room -mother and second child
- 9 not ready yet -will get a sleeping room
 10 not ready yet -
- will get a dinning room 11 kitchen and stabling zone







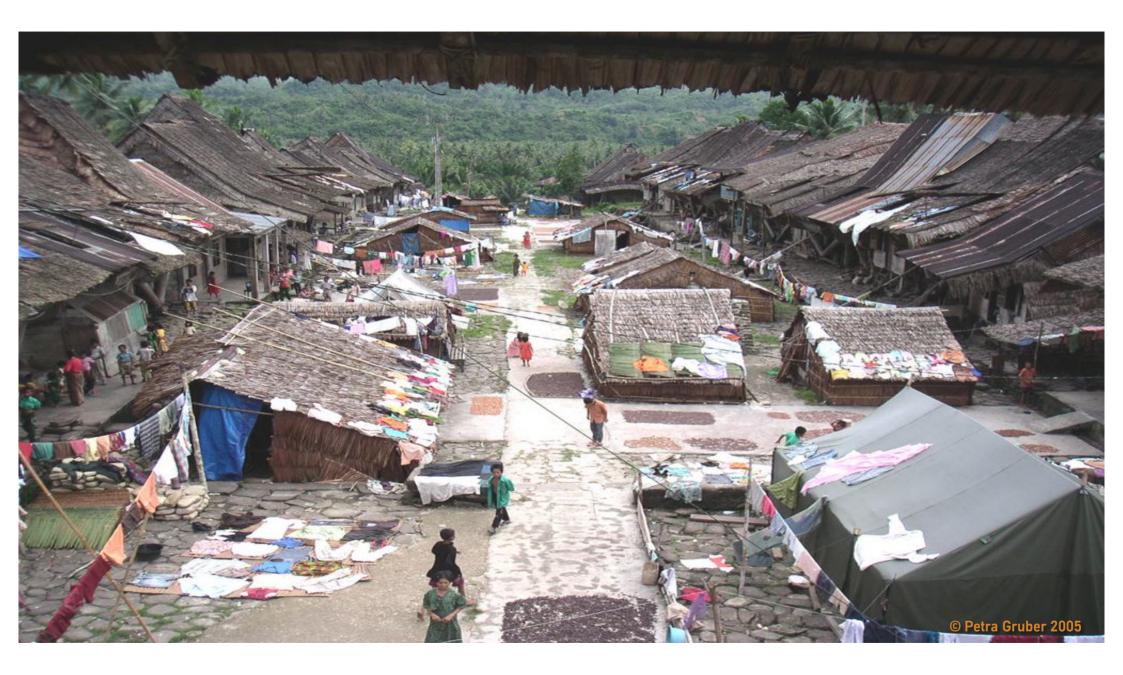


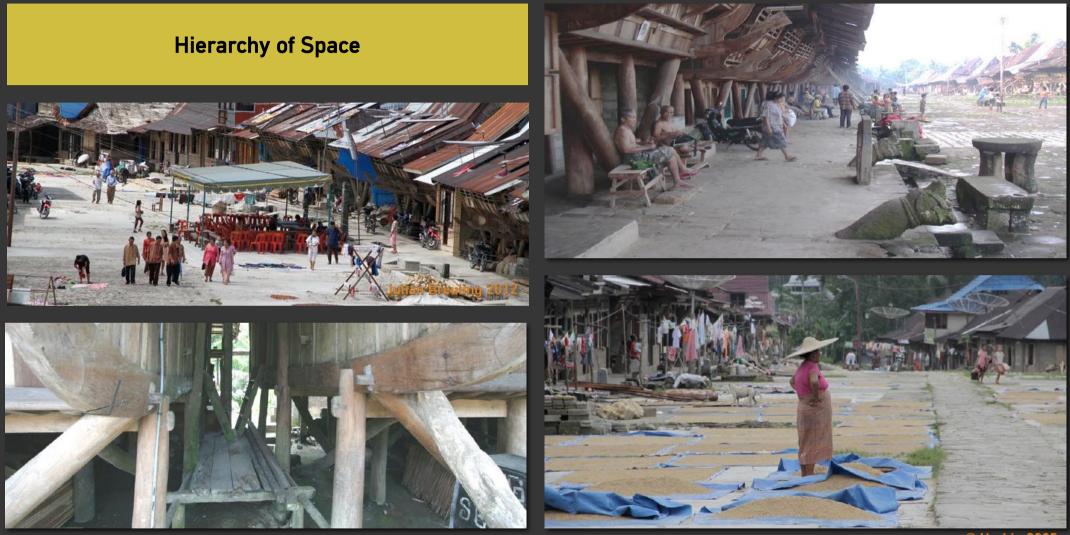
en (gas) and stabling zone





Karl Valent / Jessica Rath





© Herbig 2005





© Ulrike Herbig 2005



