



Science and Actions for Species Protection. Noah's Arks for the 21st Century



Atti del Workshop

13-14 maggio 2019

J. von Braun, T. Kauffels, P. Raven, J. Vogel, M. Sánchez Sorondo (eds)

Scripta Varia 146

Vatican City 2020

pp. 270

ISBN 978-88-7761-098-0

1. Introduction

Opening and introductory remarks

Marcelo Sánchez Sorondo | Bishop Chancellor of the Pontifical Academy of Sciences

Introducing the context of biodiversity loss and its consequences as outlined by *Laudato si'*
Joachim von Braun | President of the Pontifical Academy of Sciences

2. Lessons and insights from natural history museums research and outreach

Towards a 21st Century Open and Integrated Natural History Museum

Johannes C. Vogel | Director of Natural History Museum, Berlin, Germany

Discussion

Museum Manifesto: What Future Without Nature?

Bruno David | President, Museum National d'Histoire Naturelle, Paris, France

Discussion

Fostering Community Engagement with Nature at the Natural History Museums of Los Angeles County

Lori Bettison-Varga | President & Director, Natural History Museum of Los Angeles County, USA

Discussion

History in Action: the Role of Natural History Museums in Conservation

Richard W. Lariviere | President, The Field Museum, Chicago, Illinois, USA

Discussion

3. Lessons and insights from zoological gardens research and outreach

The Context of Zoos and Aquariums

Thomas Kauffels | Director, Opel-Zoo, Kronberg, Germany, and Chairman, European Association of Zoos and Aquaria (EAZA), UK

Discussion

Zoos and Public Conservation Education

Gloria Svampa Garibaldi | President, Italian Association of Zoos and Aquaria, Zoological Director of the Education & Nature Conservation Departments of the City Museum of Zoology of Rome, Italy

Discussion

Zoos mobilising the public for legislative change

Theo B. Pagel | Zoo Director and CEO of Cologne Zoo, Germany

Discussion

Zoo-led science and the global conservation of species

Mark Pilgrim | Vice-Chair EAZA and Chester Zoo CEO, UK

The Synod on the Amazon

Cardinal Cláudio Hummes | General Rapporteur, Synod on the Amazon

Discussion

Zoos: Connecting People with Nature and Wellness Building

Mari#a Clara Domi#nguez | Cali Zoological Foundation, Colombia

Discussion

4. Lessons and insights from Botanical gardens research and outreach

Plant conservation: Challenges and opportunities

Peter H. Raven | PAS Academician

Discussion

The Center for Plant Conservation model to urgently and effectively conserve North American plants

John R. Clark | Chair of the Center for Plant Conservation, San Diego, California, USA

Discussion

Can botanic gardens conserve all of the world's rare and threatened plant species?

Paul Smith | Secretary General of Botanic Gardens Conservation International, London, UK

Discussion

Conservation-oriented restoration as a primary solution

Sergey Volis | Kunming Institute of Botany, Cas, China

Discussion

Erica verticillata, from extinction to restoration

Anthony N. Hitchcock | Kirstenbosch National Botanical Gardens, SANBI, South Africa

Discussion

Technologies from Agriculture to Help "Noah" Save Plants

Christina Walters | Seed storage, USDA-ARS National Laboratory for Genetic Resources Preservation, USA

The National Collection of Colombia's Native Palms: A Testimony of Love for Planet Earth

Alberto Go#mez Mejia | President of Colombian Botanical Gardens Network, Colombia

Discussion

5. Overarching issues: scientific, moral/religious, and political aspects of species conservation and human behavior change

Policies in Ethiopia on Protection of Nature and Species

Hailemariam Desalegn Boshe | Former Prime Minister of Ethiopia and Chair of Hailemariam & Roman Foundation

Engaging Traditional Populations and Indigenous Peoples in Biodiversity Conservation through Amazon Bioeconomy

Virgilio Viana | Director General of Sustainable Amazon Foundation (FAS), Manaus, Brazil

Conserving the Diversity of Life: A Moral Duty and Imperative for Equitable Development

Marco Lambertini | Director General, WWF

Community Authority and the Signals of Science: Next Steps in Furthering the Impact of Biodiversity Conservation Science

Philippa J. Benson | Managing Editor | Science Advances, Washington, DC, USA

From a Sea-Snail to the Heavenly Throne: Wild Fauna in Jewish Law and Spirituality

Yehoshua Weisinger | “Bioethics and Law Initiative”, Sackler Faculty of Medicine, Tel Aviv University; Schlesinger Institute for Medical-Halachic Research, Shaare Zedek Hospital, Jerusalem, Israel

Plants and Nature in Bible and Quran – How Respect for Nature Connects Us

Wilhelm Barthlott | Prof. em., Nees-Institute for Biodiversity of Plants, University of Bonn, Germany

Climate Crisis and Hope

Mikkel Wold | Lutheran Parish Priest at Marmorkirken, Copenhagen, Denmark

Closing remarks and Follow up

Marcelo Sánchez Sorondo | Bishop Chancellor of the Pontifical Academy of Sciences

Joachim von Braun | President of the Pontifical Academy of Sciences