

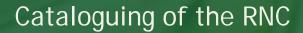
Workshop on the Maintenance of Nematode Collections

NVWA, Geertjesweg 15, Wageningen (NL), 2017-09-05/06





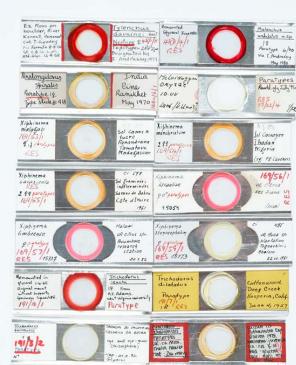




Type and voucher specimens

- ca. 21,000 slides
- ca. 4,000 type slides
- At least 12,000 type specimens











Catalogue included as part of the NCE



Introduction

Nematode Collection Euroce (pronym, NSE) belings to one of the largest repositories for nematode sildes in Europe. It includes a searchable type specimens collection and nomenciatorial database. These types are mostly used for scientific (autonomical studies and evallable upon request. The nomenciatorial database can be searched by the search busine.

FEATURED PARTNERS









UNIVERSITEIT GENT (BE)

E) Julius Kühn Institute (Di

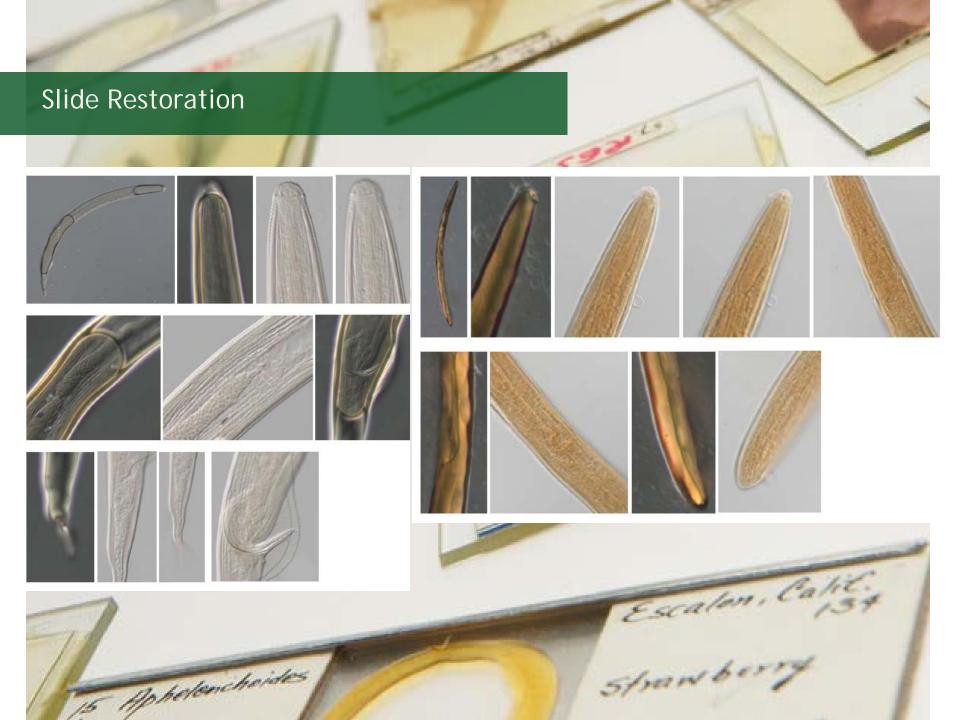
NVWA (NL)

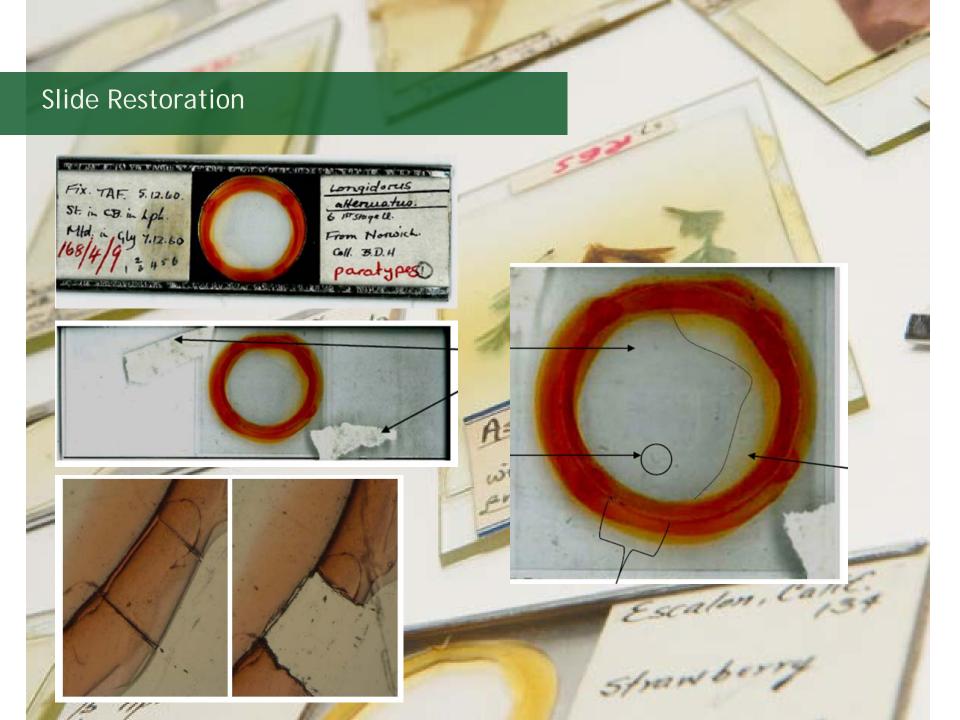
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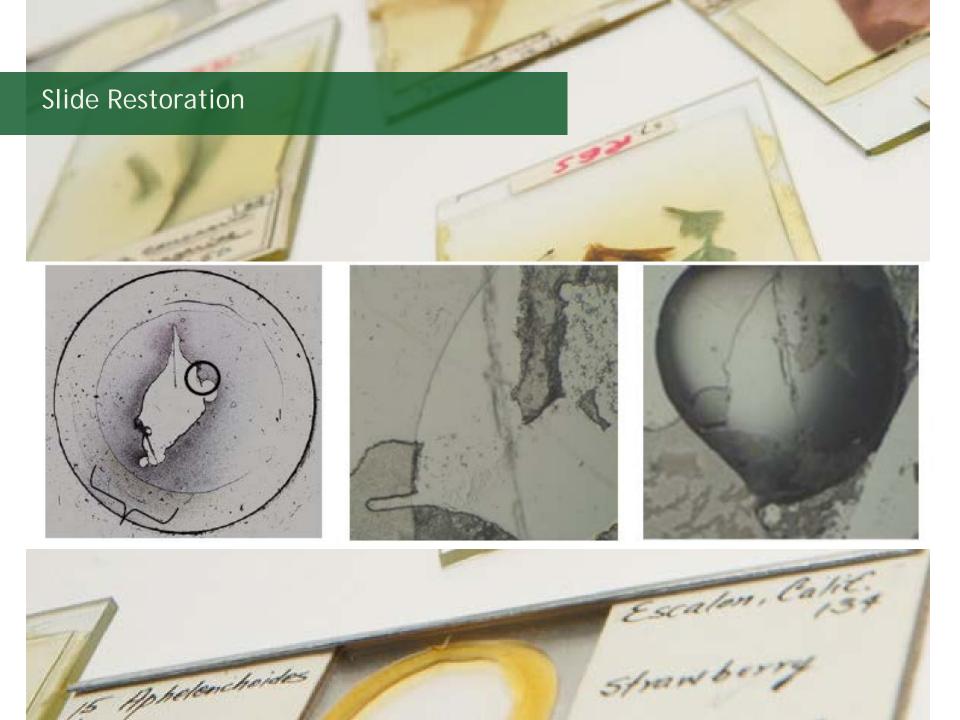
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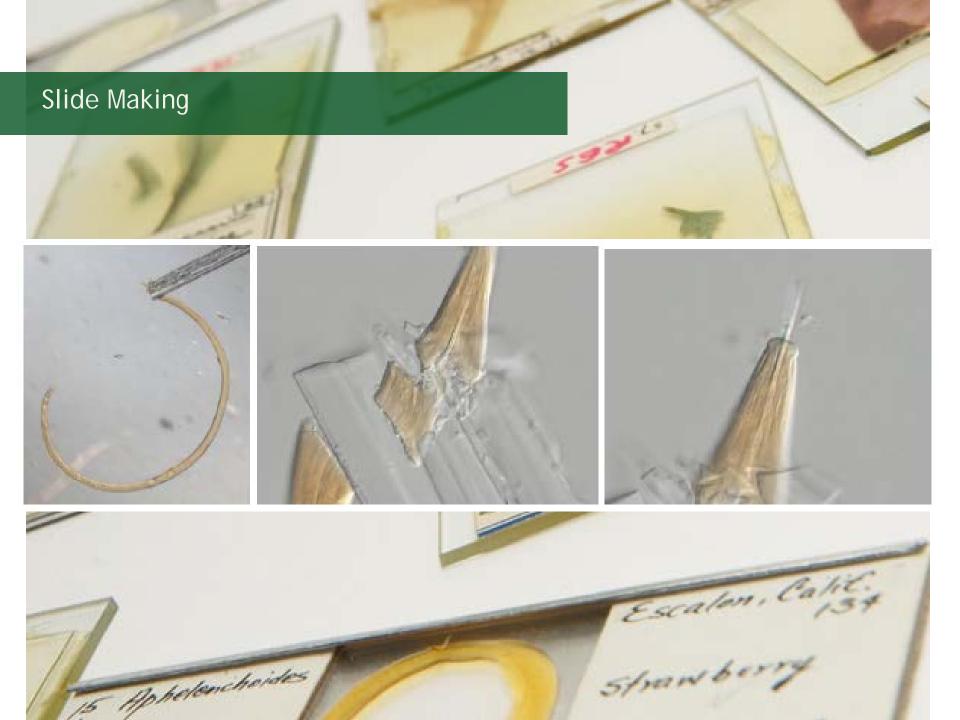
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NatsCA New/

Choosing A Microscope Slide Sealant: A Review Of Aging Characteristics And The Development Of A New Test, Using Low Oxygen Environments - Lu Allington and Emma Sherlock, NHM, London

Abstract

Glyceel has been traditionally used to seal zoological mounts at the Natural History Museum (NHM), London. Production of this polymer has recently ceased and an alternative must be identified. A review of chemical composition and testimonies from the published literature have been combined with a new experimental method to achieve this goal. Of the 13 polymers tested, Canada balsam was found to combine mechanical stability, excellent barrier properties and good aging characteristics. It has also been found that Canada balsam does not react with glycerine, wax, saliva, phenol, or immersion oil. Canada balsam is therefore recommended as a ringing sealant for microscope slides. The new experimental method, developed for this investigation, utilises anoxic environments and has a wider application as a low-cost test of polymer mechanical stability and barrier properties.

Introduction

The prompting of this project was the discontinuation of the sealing solution Glyceel (a solution of linseed oils, alcohol, nitrocellulose, butyl acetate, and toluol). This was the most commonly used sealant (although certainly not the only one) in the nematode and copepod research groups in the Zoology Department at the Natural History Museum (NHM), London. The discontinuation of Glyceel has brought concern and heated discussion within the international nematode research community as a whole (Psmallion). An alternative needs to be found which would be at least as effective as Glyceel. Although it is commonly recognised that sealing permanent slides is very important, particularly those slides using mountants such as glycerine,



