



One-day symposium
organised by:

Natural History Museum
ICON Modern Materials
ICON Collection Care
Imperial College London
Science and Engineering
Research for Cultural Heritage
Network

Natural History Museum
Cromwell Road
South Kensington
London SW7 5BD

Full Programme

Session 1 | Aging and analysis

**Do plastic materials degrade in conservation applications?
Evidence from naturally and artificially aged storage boxes**
Haider Toha Mohammed, Joanne Li, Liz Goodman & Lee Koon-Yang

Long term behaviour of performance plastics for storage.
David Thickett, Antanas Melinis, Bhavesh Shah

**Stability of polyethylene materials used within the fluid
preserved collection environment.**
Julian Carter

Session 2 | Flash talks: Flexible films and fibres

**Preservation of collections: assessing suitability of self-
sealing polyethylene bags for long term storage of objects**
Marianne Odlyha, Arminel Fennelly, & David Thickett

An Investigation of High Barrier Film
Kun Fan

Tyvek® or not Tyvek®
Carla Flack

**Displaying an ichthyosaur like a fancy box of chocolates:
using thermoplastics in a museum display two years on**
Tabatha Barton

What's in store for a sweaty postcard?
Lizzie Fuller

Session 3 | Rigid boxes

**Comparing plastic boxes and zipper bags in museum storage:
practical benefits, limitations, and questions for further
evaluation**
Jiuan Jiuan Lin

**Single use plastics? polyethylene and polypropylene boxes for
desiccated storage of archaeological metals**
Nicola Emmerson, Johanna Thunberg, David Thickett & Eleanor Smith
**Polyprop: an appropriate go-to material of choice for museum
object storage?**
Erato Kartaki, Louse Dennis, Elena Costagnotto & Jon Burgess

Session 4 | Flash talks: Institutional approaches

**Thinking outside the Stewart box: pyrite decay and preventive
storage strategies**
Lucia Petrera

**Use of plastics in storage at National Museums Scotland – pros
and cons**
Joe Jackson

What's this goo?
Diana Davis, Douglas Russell, Fiona Brock & Robert Wills

**Exploring the plastics predicament in collections care through
collaborations within and outside the Smithsonian Institution**
Leah A. Bright

**Plastics within contemporary collections: opportunities for
displays, storage and some challenges with their use.**
Simon R. Collinson, Panagiotis Morfis, James Bowen, Emma Dewberry,
Louise Dennis, Victoria Slade, Erato Kartaki, and Tabatha Barton