BIODEGRADATION IN MUSEUM COLLECTIONS

Status in Croatian museums





We like false outside glare cosmetics



hm

Potemkin?



Example 2

Storage?











Example 4







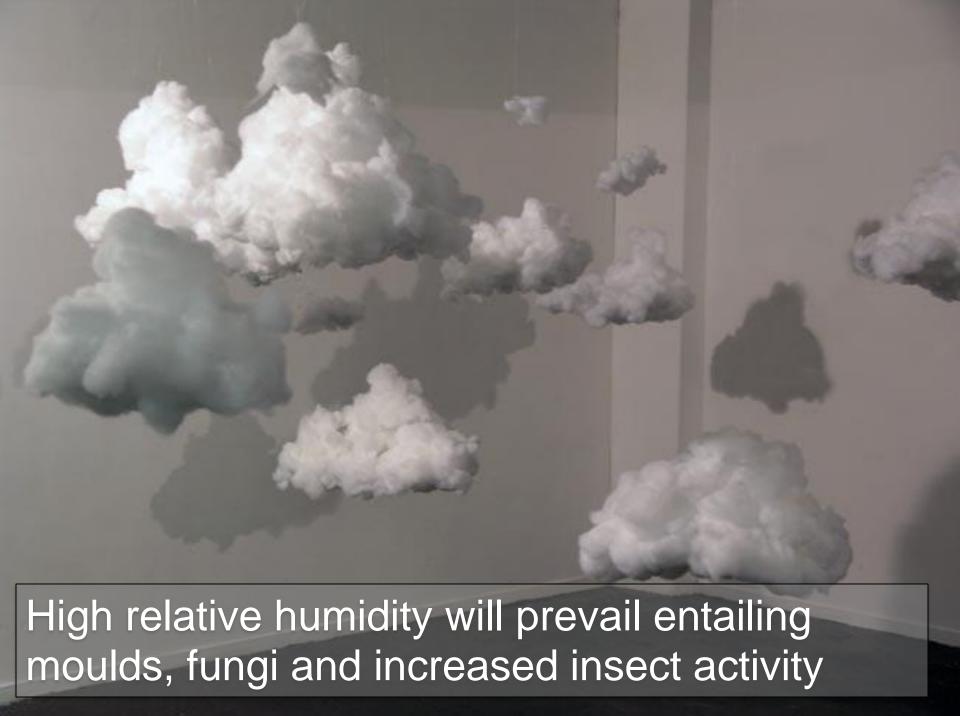
Interesting situations often occuring in custodies



If a situation like this occurs in a museum building...



Or like this...

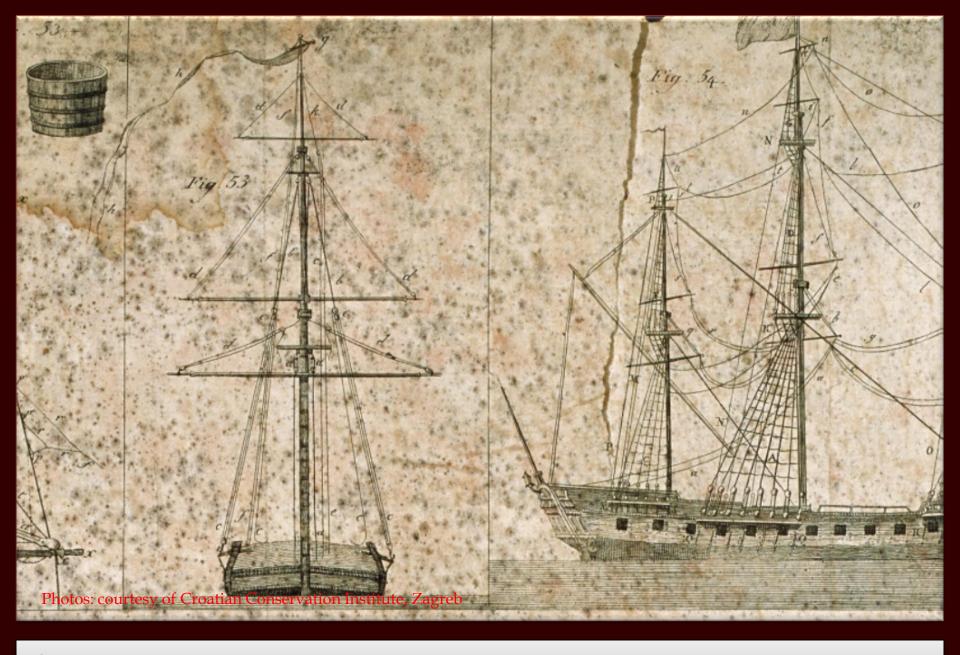




High relative humidity:
Wrinkling of paper
followed by moulds
and fungi



moulds



Change of appearance

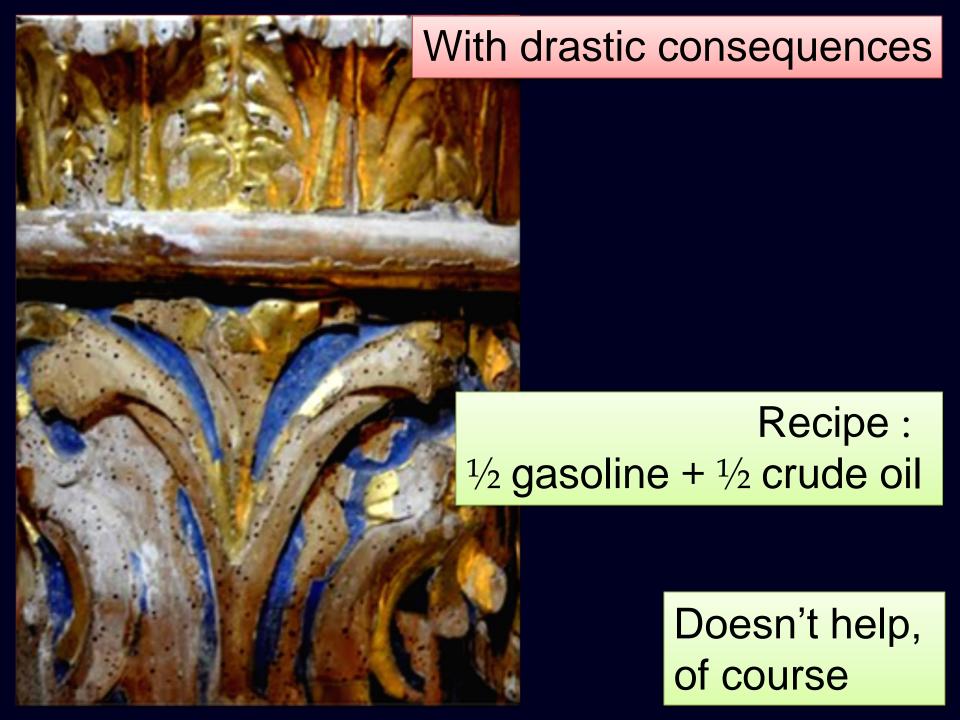


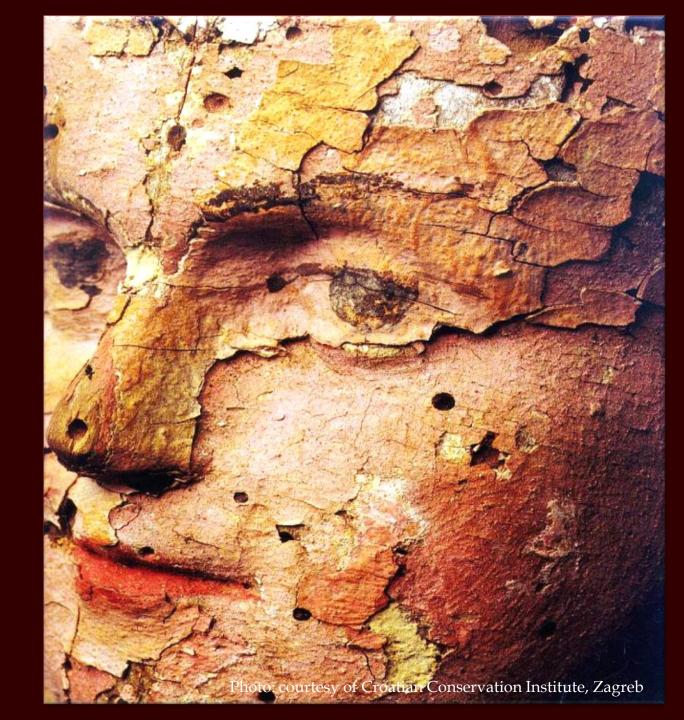
White postament will end up like this when exhibited

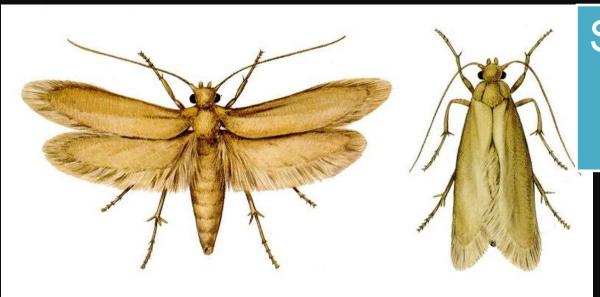




Larvae will increase their activity







Second infamous insect Clothes moth

Means against moths: lavender, tobacco, insect powder...
Many "popular" and industrial recommendations have
questionable efficacy
Camphor is poisonous

pesticides (e.g. Biokill) not recommended - for a good reason



THEY ARE ALL POISONS



The textile stored in an aluminium case since the war; The camphor can be smelled already from the access road to the museum, but, naturally, that did not help



If you take care of your textiles like this, moths are inevitable



You wouldn't believe it, but, naturally, there are positive examples

Not everything is the same everywhere

The Academy Cabinet of Prints





Defence against insects, moulds, fungi...

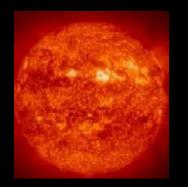




Freezing is time consuming, is not fully efficient and should be repeated

Care should be exercised with respect to solidity of objects and relative humidity

Often applied in museums – especially for textiles heating



Most of museum objects should not be heated

Almost never applied in museums



Desinsection by removal of oxygen - anoxia

CO₂, N₂, Ar...

Time consuming, requires special skills, caution at high RH Not applied in museums

The 3 methods - harmless to people





Efficacy not proved









4 g if swallowed = lethal dose

Often applied in museums – especially for textiles



xylamon

Efficacy below 100%



cancerogene

Often applied in museums for treating worm holes



methyl bromide











Deadly poison Handled by authorized companies Efficacy high but not 100%

Often applied in museums for treating worm holes

The 3 methods – very harmful to people

radiation

very dangereous if out of control can be used for treating paper, wood, textile (with caution)

advantages

completely clean process and harmless to people the subject of the present Seminar 100% efficacy

disadvantages requires packaging and transportation

Being available - irradiation should be used

For all programmes of museums in 2011 allocated by the Ministry of Culture of Croatia: 12,336,100 kuna = 100%

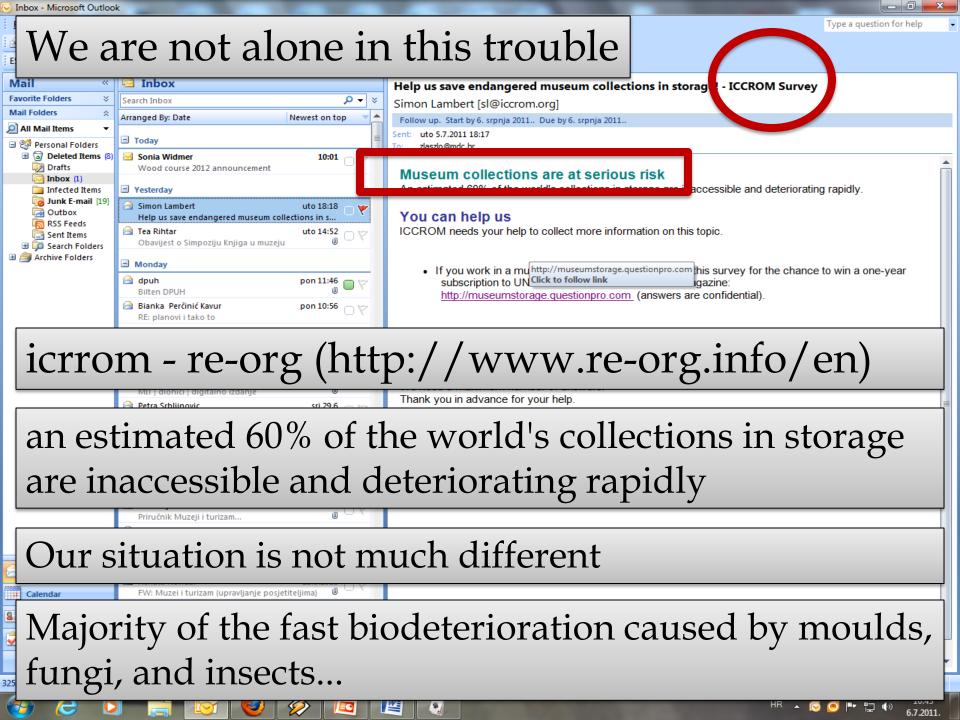
Donublika

For restoration activities: 2,148,000 kuna = 16% (the rest for exhibitions, research and similar activities) Already an unfavourable ratio

Renublic

For preventive protection: only about 342,000 kuna Less than 3%
That is horrible

No wonder that custodies are often in a poor state and collections infected with moulds, fungi and insects



Museums are fighting for survival Justifiedly or unjustifiedly, preventive protection has been put behind

Let us not forget that protection is our professional duty



All encompassing action is urgently needed

One of them might be

Irradiation of infested ethnographic objects That could help a lot

