



Natural History Collections

Why are they important?

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Direção Regional dos Assuntos do Mar



Natural History Collections

Natural History collections (NHC) are biodiversity repositories.

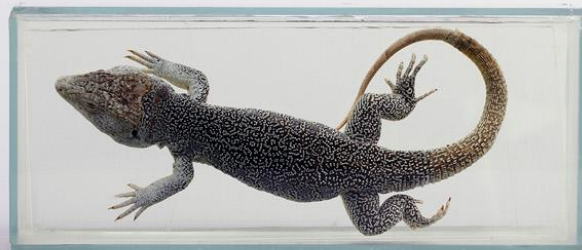
They are composed of **voucher specimens** that report the presence of a specific specimen at a specific place and time point.

Natural History Collections

Each specimen is unique, providing multidimensional documentation in:

- geographic space (locality)
- biodiversity (taxonomy)
- position in time (date).





Natural History Collections

Type specimens are the most important specimens preserved at NH Museums.

- These are vouchers for described species.
- These are the specimens used to describe a new species in the original publication.

Great care should be exercised to ensure the preservation of such specimens.



Natural History Collections

As **vouchers** from earlier observations or findings...

Specimens represent repeatable observations

Old collections may be revisited using new tools

Natural History Collections

NHC can be used in more traditional studies such as taxonomy, systematics, biogeography, evolutionary biology and population studies.

Assess environmental quality and changes, such as climate and landscape changes, pollution, etc.

Important for public health and nature conservation research and politics.

Natural History Collections

Invasive species. Globalization is fostering the easy spread of species to areas where they didn't exist before, which has a great impact in natural balance and has a great economic cost.

New uses, not predicted before. Genetic studies done with specimens collected at times DNA was not even discovered.

Natural History Collections

Education/Culture

These can have important application in educative activities, science communication through exhibits and in the development of multimedia resources.

Arts

Reference and inspiration for arts. Interface arts/science.



NHC

BIOMETORE COLLECTIONS

“BIOMETORE” Collections

Two reference collections:

at MUHNAC

at MHNF







Cruzeiro ARQBIOMETORE-44-V15

Lance: GETYSPLANIS

Estrato: 2

Espécie: PAG

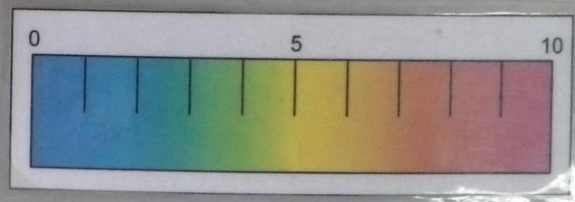
Nº indivíduo: 5

Nº total Ind.: 6

Instituição: IFPA

Data: 24/08/15

- | | |
|-------------------------------------|-----------|
| <input type="checkbox"/> | Otolitos |
| <input type="checkbox"/> | DNA |
| <input type="checkbox"/> | Isótopos |
| <input checked="" type="checkbox"/> | Espécimes |













Thank You



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