THE HOLE BEARERS

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Large Benthic Foraminifera

- main area of research
- tool for biostratigraphy, correlation and zonations
- assemblage composition and morphospace related to environmental conditions

Large Benthic Foraminifera

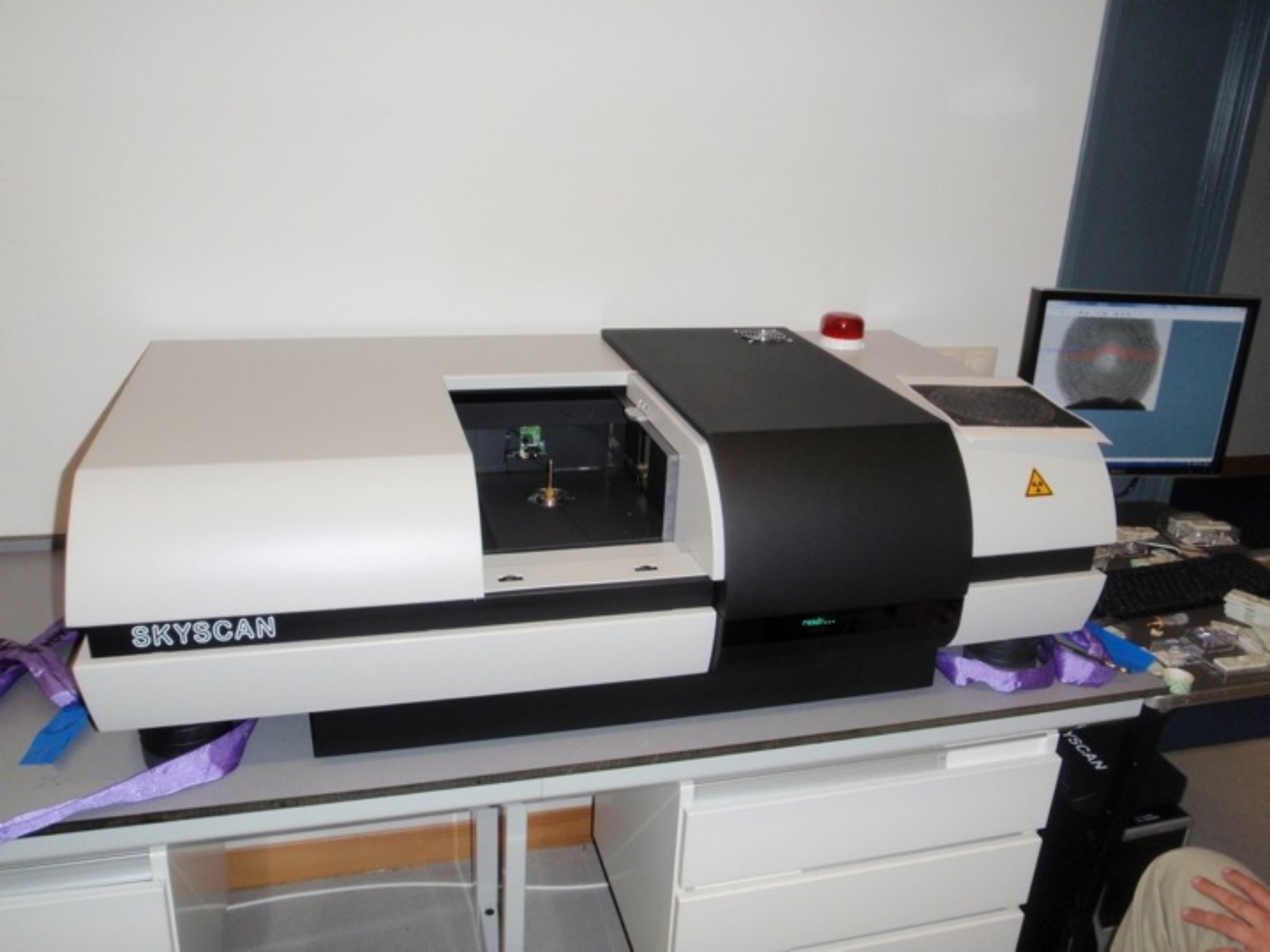
- quantify morphological characters and evaluate their stratigraphical relevance
- quantify changes in assemblage composition
- assessments of both museum collections and newly collected material
- numerical community ecological analyses of both materials

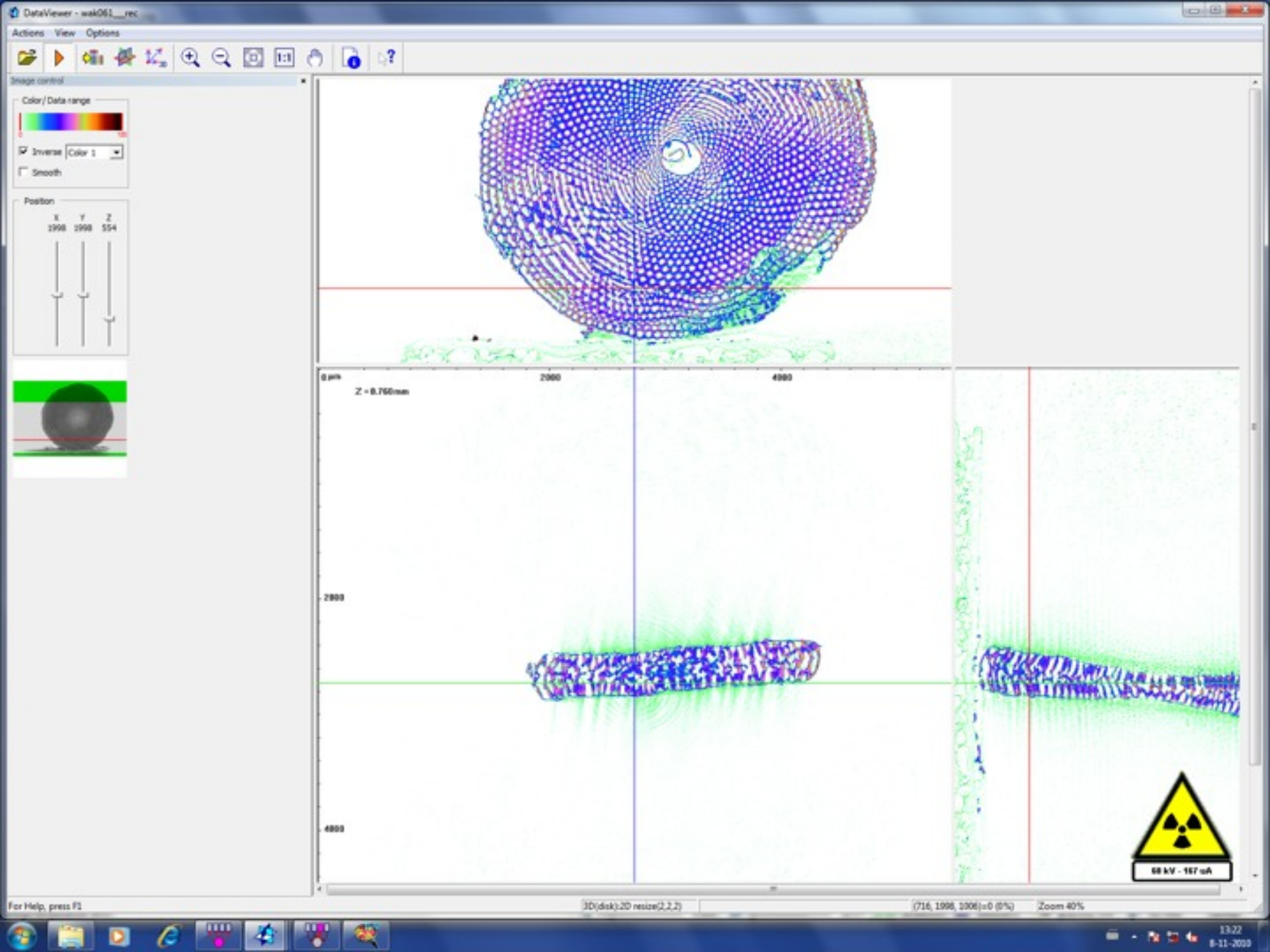
Large Benthic Foraminifera

- in relation with other ESR's this will result in a biostratigraphic framework
- characterisation of the changes in reef ecology during the Late Oligocene–Late Miocene
- overview of the Cenozoic foraminifera of SE Asia

MicroCT

- an X-ray procedure that combines many X-ray images to generate cross-sectional views and three-dimensional images
- X-ray microtomography works in the same way CAT-scans in medicine but with much finer resolution
- internal structures reconstructed as a set of flat cross sections then used to analyze the two and three dimensional morphological parameters of the object


SKYSCAN


DataViewer - wak061__rec
Actions View Options
Image control
Color/Data range
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Z = 0.760mm
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For Help, press F1
3D(disk):2D resize(2,2,2)
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Zoom 40%
13:22
8-11-2010

In conclusion…

- identify and delimit species boundaries of Cenozoic LBF
- make assessments of both museum collections and newly collected material
- perform numerical community ecological analyses
- work with micro-Ct techniques to quantify morphological evolution in LBF

Thank you

Questions?