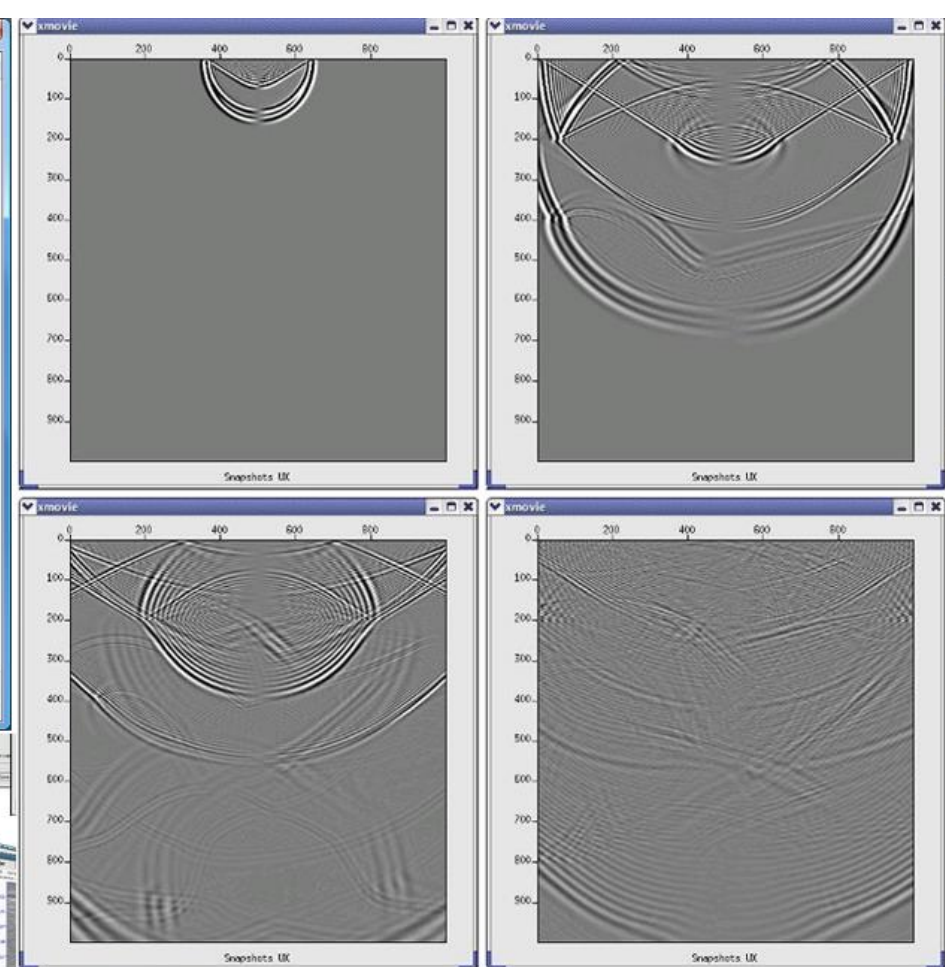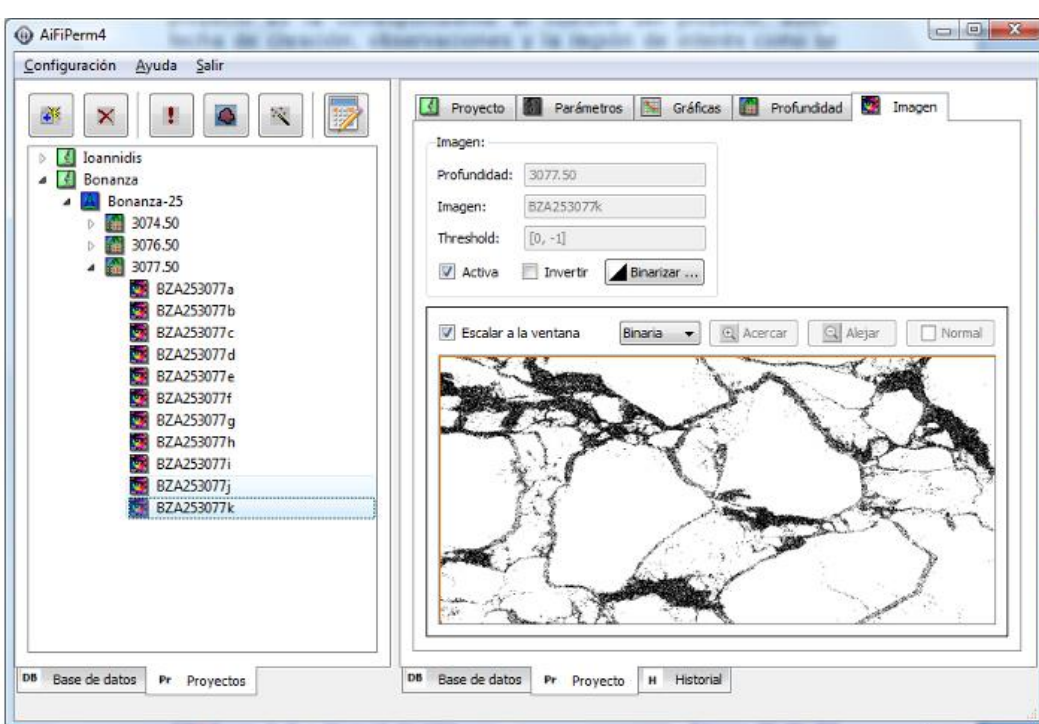Jairo Castañeda
Manager
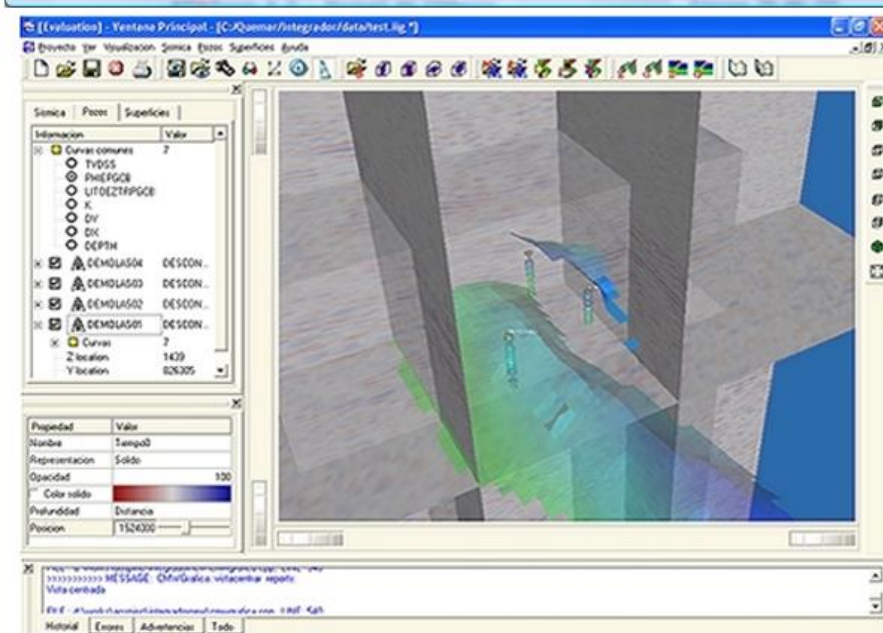
Scientific SW development since **19 years**

for the **Oil/Gas, Defense and Education**

Ventana principal del IIG.

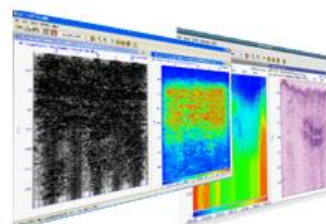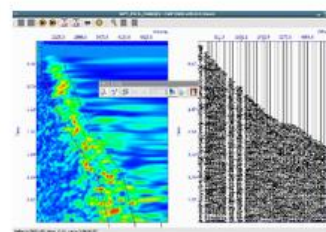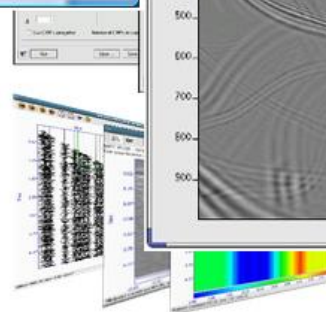Interactive VNMO limits picking

- In order optimice the automatic VNMO search and avoid undesirable n picking utilitie.
- VNMO search is carried out inside the limits selected by user as time

Impressive Plotting Capabilities

- Wiggle and Color display modes.
- Sort headers as desired.
- Create movies.
- Fast Fourier Transform.
- Direct conexion to the project data base to easy select input files.

Características

BioTK

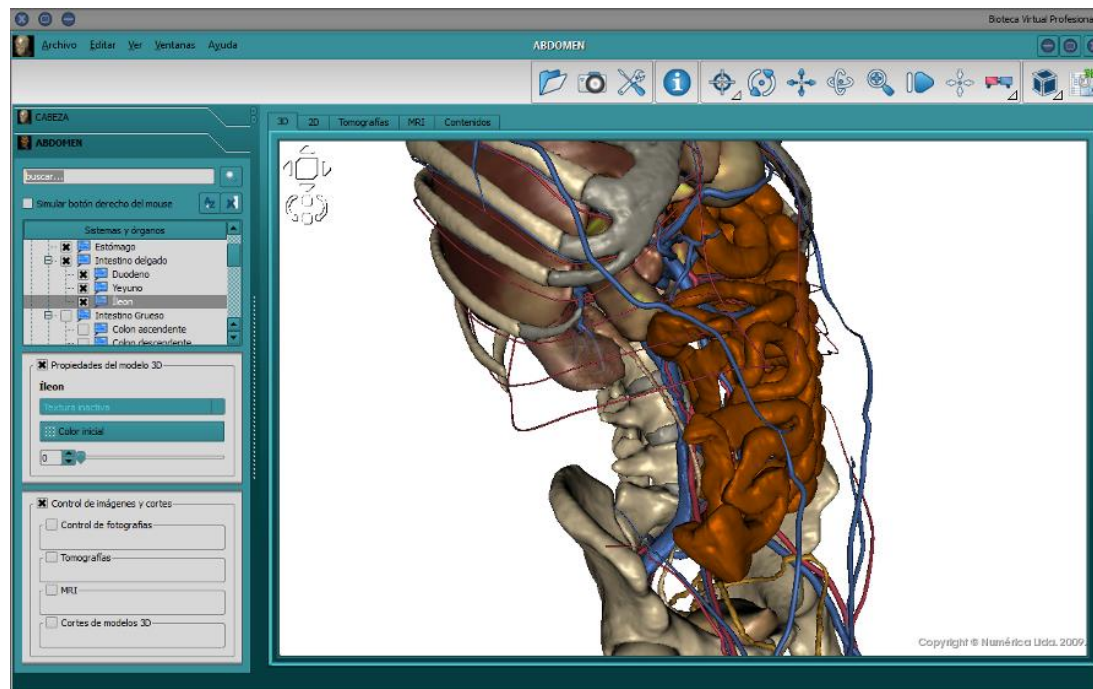| Investigación e implementación librerías Open GL	Enero 2003	Julio 2003
Definición de la plataforma de la versión 1.0 de *Bioteca Virtual®*	Enero 2003	Enero 2003

2010

The Problem

All around the world, **the basis of the study of medicine and health sciences** is the **study of human anatomy itself.**

It is performed by the dissection of cadavers in the amphitheater, by **many students** in **very limited time.**
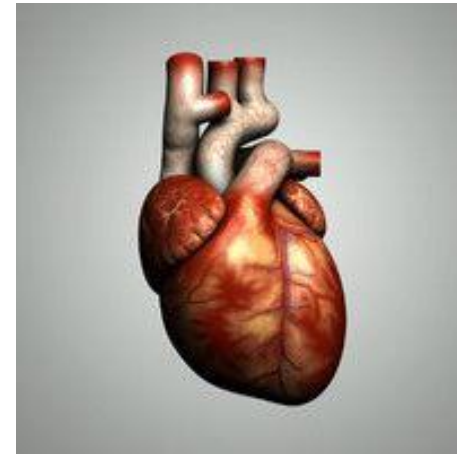
It is **not easy to find cadavers** to make dissections.

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Our Challenge

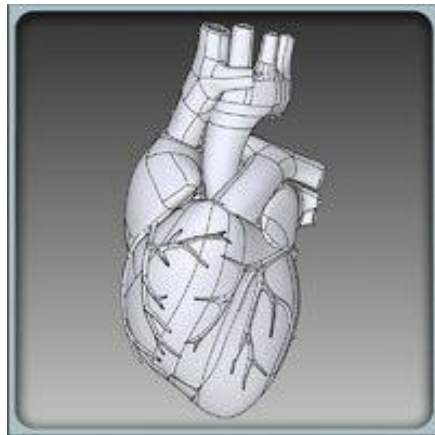To find a complementary way to **visualize the human body** in an **accurate, realistic, portable and economic** way.

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Who is trying to solve this?

About ten 3D anatomy atlas in the global market,
Very similar features (pan, zoom, rotate,
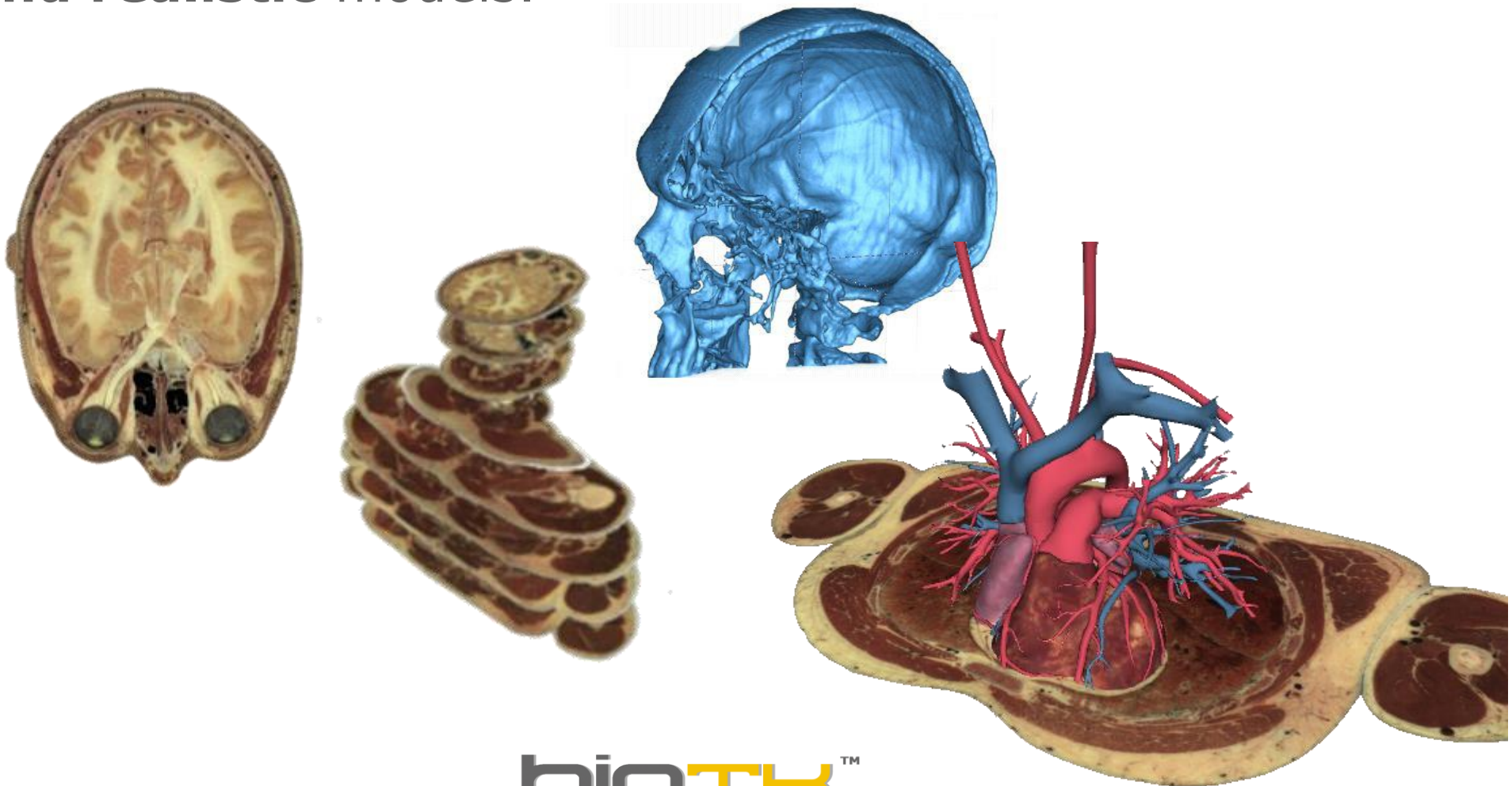show/hide organs)

**The organs are modeled using 3D modeling
SW**

This is nice but perhaps not accurate enough for the medical market

bioTK™

BioTK's way

The organs included in BioTK instead are **reconstructed** from sections of a cadaver*, leading to **more accurate and realistic** models.

BioTK is a unique product

- After more than **8 years of R&D**
- A **virtual cadaver compatible** with web browsers, desktops, laptops, tablets and 3D projectors.

- BioTK can help **improving the quality of education** for medical and health science students all around the world

bioTK ™

Team

Medical Team

Anatomist Dr. Luis Ballesteros, MD., MSc.
  - o Universidad Industrial de Santander.

- Medical doctors.

Technology Team

Numerica´s I&D director Eng. Felix Cordoba

- Computer scientists.

- Digital image processors.

- 3D modelers.

bioTK™

Market

- Medical and health sciences faculties and students worldwide.

- Teaching hospitals worldwide.

Looking for

We are aiming to **disrupt** the teaching and learning anatomy all around the world, we are looking for:

o Universities and teaching hospitals for immediate implementation in teaching and learning anatomy

o Universities and teaching hospitals for customization projects for any use

o Hospitals for immediate implementation in patient education

o Commercial partners for global and local marketing and sales

bioTK™

Questions and Interactive DEMO

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