An Introduction to Cárabos Coop. V.

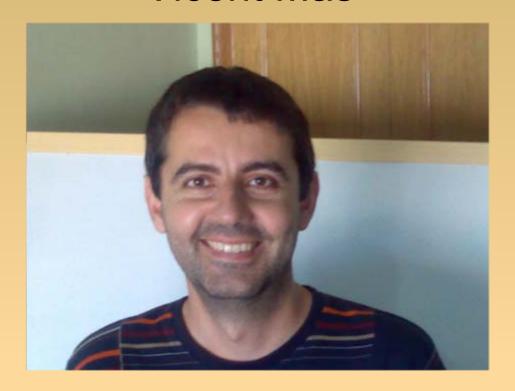
Francesc Altet

Cárabos Coop. V.



Who is behind Cárabos

Vicent Mas



Ph.D. in Chemistry He enjoys undertaking hazardous projects, such as writing doctoral theses on **Quantum Chemistry** or making a living developing Free Software.

"I never get angry"

What he does (in a few words)

- The main developer of ViTables
- In charge of other R&D projects, such as medical image processing
- Teaches courses on Free Software applications and systems
- Occasional developer of PyTables
- Any other required task

Who is behind Cárabos

Ivan Vilata



Computer Science Engineer

Thanks to his work, Cárabos systems function smoothly, without falling into chaos.

"I am a believer in Free Software"

What he does (in a few words)

- One of the main developers of PyTables
- Supports PyTables users through the mailing list
- Also offers training services on security, Free Software applications and systems
- In charge of the system administration and security of our servers
- Any other required task

Who is behind Cárabos

Francesc Altet



B. Sc. in Physics Master in App. Math.

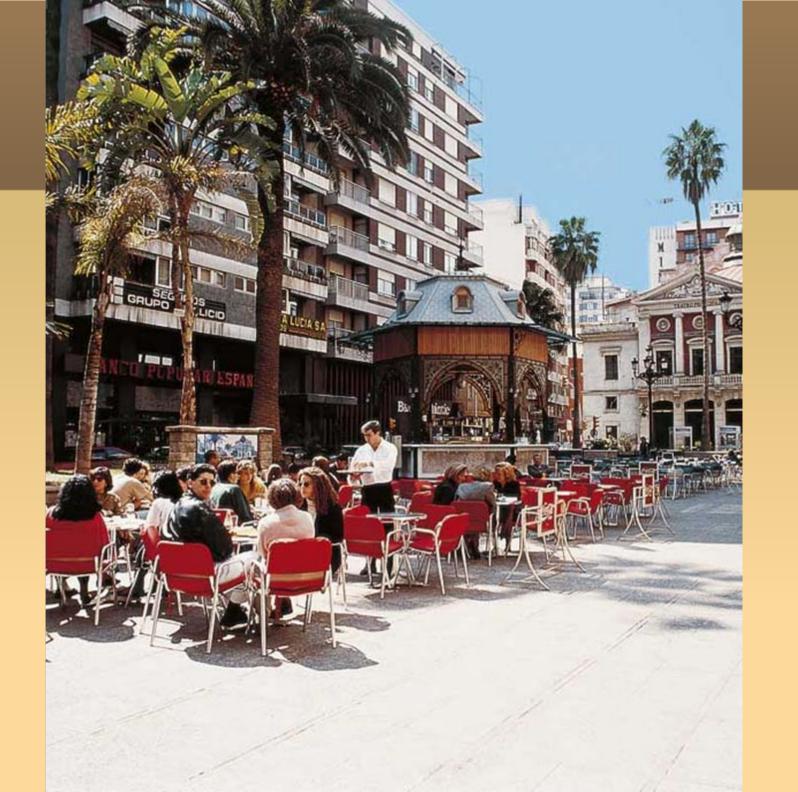
With more than a decade of professional experience in the IT field, he decided to create his own company because "I like freedom"

What he does (in a few words)

- One of the main developers of PyTables
- Supports PyTables users through the mailing list
- Guiltily gets pleasure acting as the General Manager of the company
- Any other required task











Products (I)

PyTables

- Object-oriented interface to HDF5 using Python
- Emphasis on interactive usability even when dealing with very large amounts of data
- Free software
- PyTables Pro
 - Added OPSI (indexing engine) to regular PyTables
 - Oriented towards production systems
 - Commercial software

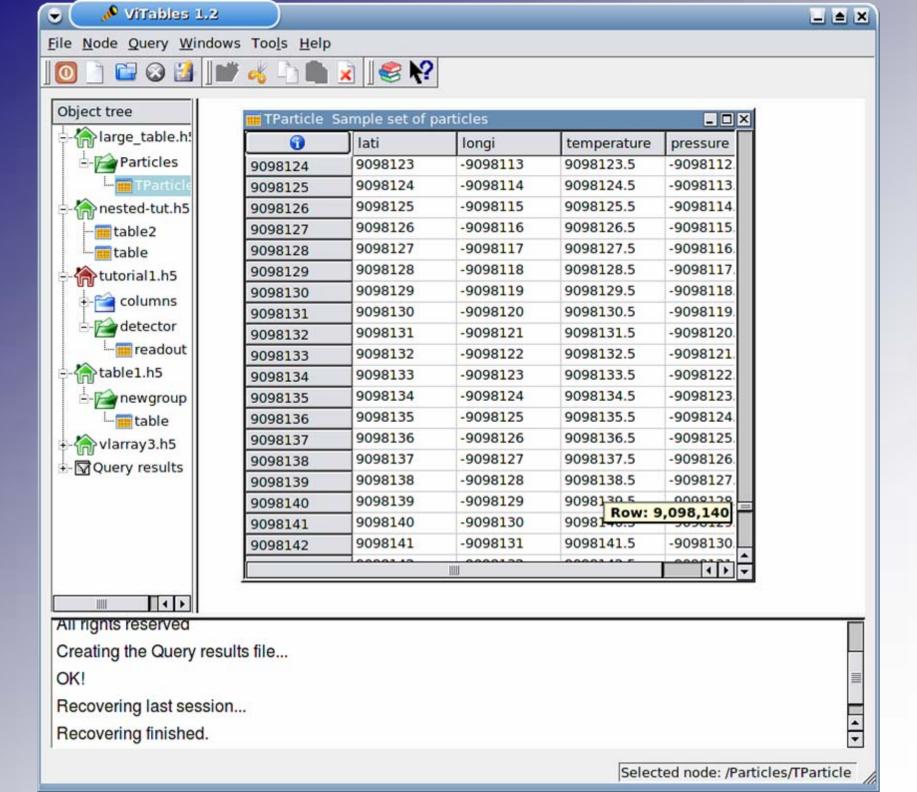
Products (II)

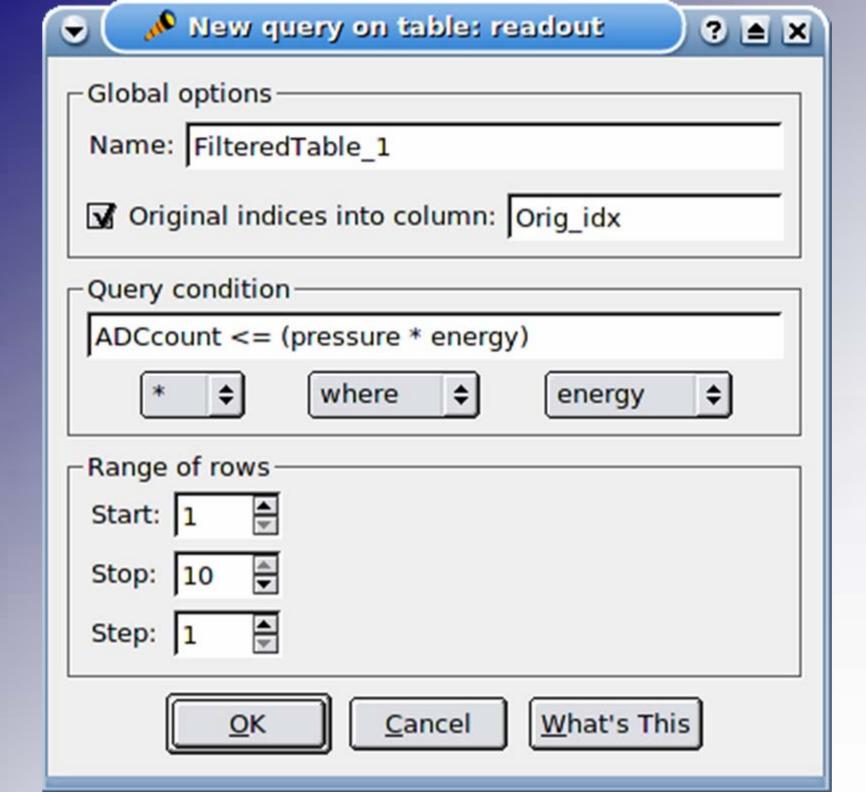
ViTables

- Graphical User Interface for PyTables
- Browse large tables in almost real time
- No practical limits to the size of datasets
- Allows us to take advantage of PyTables features
- Commercial software

CSTables

- Prototype client-server to PyTables (1.0 series)
- Supports write/read concurrency
- Stopped right now (but willing to continue!) Urbana-Champaign 10/08/07





Features of PyTables Pro

- OPSI (Optimized Partially Sorted Indexes)
 - Indexing engine optimized for HDF5 features (chunking, compression, data types)
- Improved LRU node cache performance (up to 20x faster than PyTables Standard)
- Focus on stability (meant for usage in production environments)
- All-in-one installers for Windows and Mac OS X

Our users and customers (I)

Our products are used in fields where management of very large amounts of data is required: data mining, image processing, medicine, economic forecasting, geographic information systems, aeronautics, bioinformatics...

Our users and customers (II)

- The HDF group
- Companies: Acusim Software, Germanisher Lloyd AG, Gulfstream Aerospace Corporation
- Research labs and universities: MIT, Jet Propulsion Lab, UC Berkeley
- Others: National Oceanic & Atmospheric Administration, European Space Agency

That's All Folks!

Any questions?