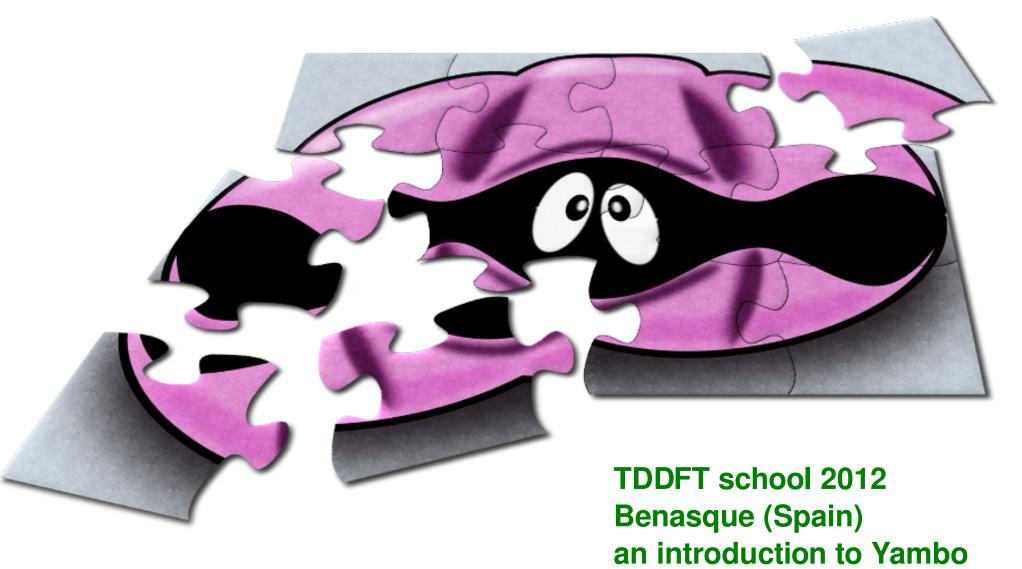
# Vambo: an ab-initio tool for excited-state calculations

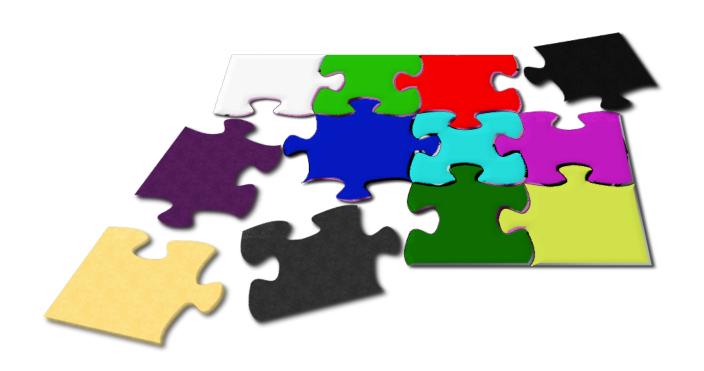


# Vambo: combination of projects



each developing a new numerical tool for ab initio calculations of excited-state properties of electronic systems

# Vambo: one source many execs



mixed Fortran/C code: core part + many extensions (part of them GPL) Pieces of code stand-alone or joint together

# Vambo: team of researchers



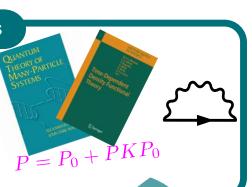
Working in different fields of solid state physics & molecular physics

# Yambo from theory to applications:

#### Theory&approximations

Many-Body Perturbation Theory

Time-dependent density functional theory



#### Interfaces

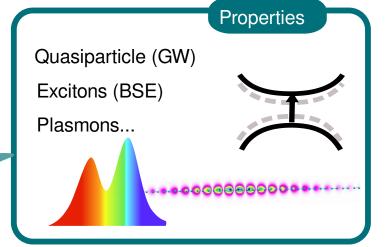
Planewave

Pseudopotential codes









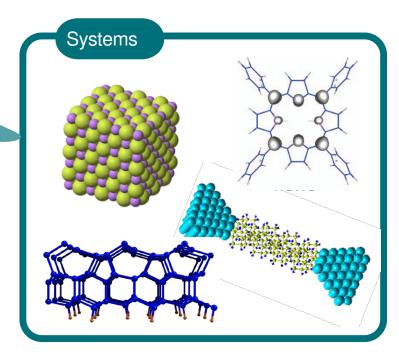
#### Performance

**ScaLAPACK** 







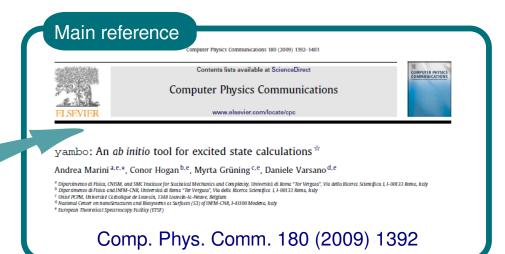


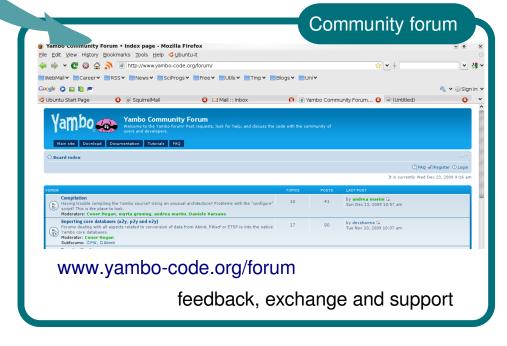
### Vambo researchers2researchers:



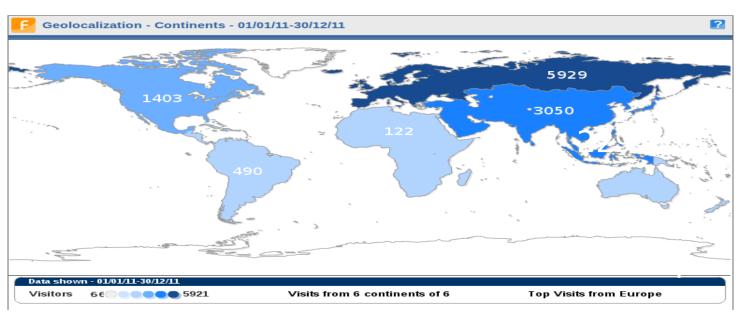


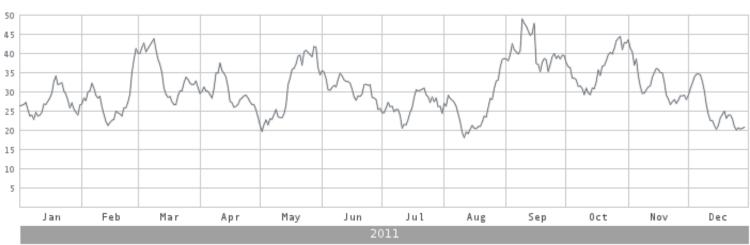






# Vambo community of users





Visits

# Vambo giant slalom:

