Research Line Lead

ALEJANDRO MARTI DONATI
SENIOR RESEARCH ENGINEER

CASE - Environmental Simulations

View Research Lines
- Atmospheric Impact Services
- Volcanic ash

Research Line Department / Group Leaders

JOSE MARIA CELA ESPIN
COMPUTER APPLICATIONS IN SCIENCE AND ENGINEERING DIRECTOR

CASE

View Research Lines
-
Agent-Based Models
- Alya - High Performance Computational Mechanics
- Atmospheric Impact Services
- BSIT: Barcelona Subsurface Imaging Tools
- Computational Modeling for Fusion
- Computational fluid mechanics - Incompressible flows
- Cultural Evolution
- Earthquake Simulation
- Electromagnetic Modeling and Inversion
- Electronic transport
- Fast Ion Physics
- HPC Frameworks
- HPC Geophysical Applications
- HPC Workflows
- Inverse Modelling
- Microscale wind simulations and wind resource assessment
- Reduced Order Methods in HPC
- Respiratory system
- Smart and resilient cities
- Urban-scale Atmospheric Dispersal Modeling
- Volcanic ash

ARNAU FOLCH
ENVIRONMENTAL SIMULATIONS GROUP MANAGER

CASE - Environmental Simulations

View Research Lines
- Atmospheric Impact Services
- Microscale wind simulations and wind resource assessment
Urban-scale Atmospheric Dispersal Modeling

- Volcanic ash

Research Line Staff

- ALEJANDRO MARTI DONATI
  SENIOR RESEARCH ENGINEER
  CASE - Environmental Simulations
  View Research Lines
  - Atmospheric Impact Services
  - Volcanic ash

- MONICA DE MIER TORRECILLA
  BUSINESS DEVELOPMENT
  CASE
  View Research Lines
**Atmospheric Impact Services**

**ARNAU FOLCH**
ENVIRONMENTAL SIMULATIONS GROUP MANAGER

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**MAURICIO HANZICH**
HPC SOFTWARE ENGINEERING GROUP MANAGER

**CASE - HPC Software Engineering**
View Research Lines
- Atmospheric Impact Services
- BSIT: Barcelona Subsurface Imaging Tools
- Electromagnetic Modeling and Inversion
- HPC Frameworks
- HPC Geophysical Applications
- HPC Software Optimization
- HPC Workflows
- Inverse Modelling

CLAUDIO MARQUEZ
SOFTWARE ENGINEER

CASE - HPC Software Engineering

View Research Lines
- Atmospheric Impact Services
- BSIT: Barcelona Subsurface Imaging Tools
- HPC Workflows

Barcelona Supercomputing Center - Centro Nacional de Supercomputación