



"2Mp Education Program from Argentinian Space Agency: Spatial Technology as a learning tool for children and young people"

#### Maximiliano R. Pisano

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## UEFM Education Unit

The aim is to transfer the geospatial technology and knowledge to society.





SOFTWARE DE PROCESAMIENTO DE IMÁGENES

**2Mp Program** Destined for students and teachers of the educational environment

**SoPl Projet** Destined for workers, professionals and researchers from different socioeconomics sectors.





## The 2Mp Program

was created with the objective that children and young people of our country have access and use the satellite technology. Inclusion of Satellite Technology through the Educational System.

## **Initial Situation**

- Lack of appropriate software and digital material.
- Satellite images were not used as a source of information by students and teachers.
- Absence of training for teachers.

## Purposes

Improving education by using satellite technology as a powerful tool to expand the reach of knowledge.

**Users** students with innovative technologies, which allow them to improve their learning and favor their inclusion working field.

**Democratize** the access to geospatial technologies.



Develepment of Didactic Resources and Geospatial Software.

Teacher Training and articulation with teams of replicators.

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## Development of Didactic Resources and Geospatial Software Software Geospatial Family



#### Software 2Mp

 Aimed at the simplified handling of satellite information combining it with others sources information.
It allows teachers to work on curricular contents through cases studies.

▷Intended for eight years old or older.

▷Low Hardware and Software Requirement.



#### SoPI

SoPI is Image Processing Software by CONAE

2d/3D GIS intuitive graphics user interface. Fusion of GIS project oriented work environment with remote sensing capabilities.

Modular and extensible software design. Common architecture with 2Mp Software. Developed in C++.

Low hardware requirements.

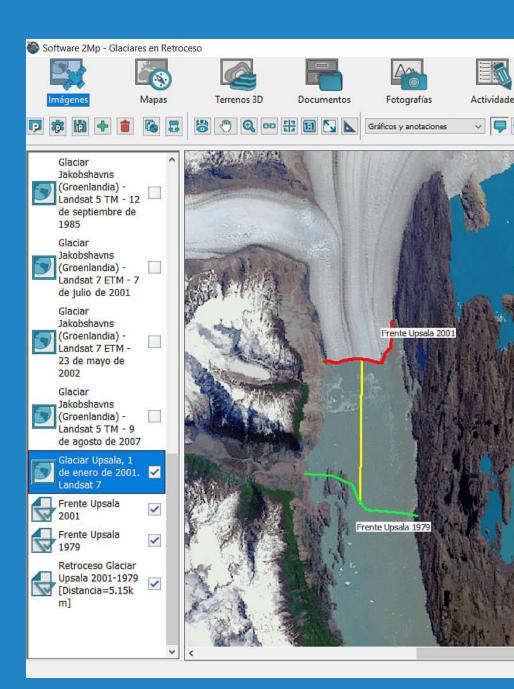
Advanced users: middle school specializations, technical institutes and universities.

## Software 2Mp

Contexts

Satellite Images Vector Coverages Maps 3D Land Models

**Tools** Graphics and Notes Map Animation Measurement



## Didactic Resources



Highlighted Images



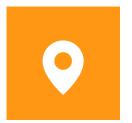
Images From Different Satellite Missions.



Vector Coverages generated by different specialized organisms



**Highlighted Events** 



2Mp Catalog



**PAT** Acronym for "Producto Autocontenido Temático" (Self-contained Thematic Product)

Develepment of Didactic Resources and Geospatial Software.

Teacher Training and articulation with teams of replicators.

- ✓ Associated Schools
- ✓ Reference Schools
- ✓ Project Schools
- ✓ Associated IFD
- ✓ 2Mp Agro Schools
- ✓ SAE Mission
- ✓ Water Rocket





## ✓ Teacher training college













## ✓ SAE Mission





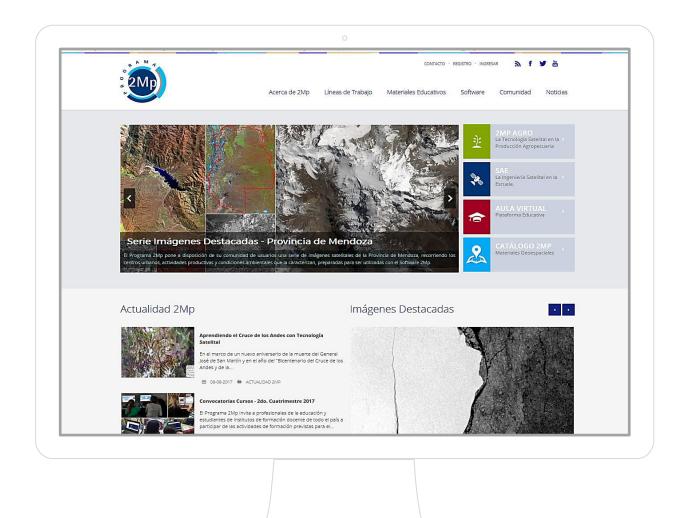


Develepment of Didactic Resources and Geospatial Software.

Teacher Training and articulation with teams of replicators.

Teacher Training and articulation with teams of replicators.

- ✓ On-site courses
- ✓ Online courses
- ✓ Seminars
- ✓ Training Teachers Instructor



Web Site 2mp.conae.gov.ar













## Thanks!

You can find me at: mpisano@conae.gov.ar Maximiliano R. Pisano

2mp.conae.gov.ar



