

## Space, Solar and Planetary Physics.



Image credit: NASA

The research activities of the Space Physics group in the Section of AAM encompass solar activity, interplanetary disturbances, solar-terrestrial coupling, and the explosive phenomena that occur in geospace, such as space magnetic storms and magnetospheric substorms. They also investigate the underlying physical processes, including the acceleration and loss of charged particles, electromagnetic wave excitation, and wave-particle interactions. Additional research areas include space weather forecasting and its technological aspects, planetary exploration, understanding the Sun's influence on Earth's climate, application of artificial intelligence techniques to space physics problems, contribution to the development of national space research infrastructure, and to the development and usage of microsattellites.

The group actively participates in international research programs, review panels, working groups, and international teams, such as those selected by the International Space Science Institute (ISSI) in Bern, Switzerland. They have also contributed to numerous reports and evaluations for the NASA and ESA scientific programs.

| Faculty members           | Associate (external) members | Postdoctoral researchers | PhD candidates           |
|---------------------------|------------------------------|--------------------------|--------------------------|
| <a href="#">I. Daglis</a> | K. Gontikakis (NOA)          | M. Georgiou              | S. Aminimalragia-Giamini |
|                           | G. Balasis (NOA)             | S. Dimitrakoudis         | K. Thanasoula            |
|                           | A. Hillaris                  | C. Katsavrias            | G. Moutsiana             |
|                           |                              | A. Boutsis               | A. Nasi                  |
|                           |                              |                          | C. Papadimitriou         |