

MEET THE NEOROCKERS

ISTITUTO NAZIONALE DI ASTROFISICA ITALY

INAF



ISTITUTO NAZIONALE DI ASTROFISICA
NATIONAL INSTITUTE FOR ASTROPHYSICS

www.iaa-roma.inaf.it

INAF is the public research organisation that promotes, performs, and coordinates astrophysics and astronomy research in Italy.

INAF has 16 research centres distributed over the country and observing facilities in Italy and abroad. The main ones are the Sardinia Radio Telescope, located in Sardinia, Italy, the National Telescope

Galileo (TNG), located in La Palma, Canary Islands and a 25% share of the Large Binocular Telescope (LBT) in Arizona.

OAR (Astronomical Observatory of Rome) is in charge of the NEOROCKS project and is closely involved in global gravitational wave observations.

ITALIAN SPACE AGENCY ITALY



Agenzia Spaziale Italiana

www.asi.it

The Italian Space Agency was founded in 1988 to coordinate national efforts and investments in the space sector. ASI is one of the most significant players in the world in space science and satellite technologies, with strong interests in exploration of the Solar System and observation of the Universe from space.

For over 20 years, ASI has supported the management of the data collected by scientific satellites operating its Space Science Data Center (SSDC), hosted at the agency headquarters in Rome. SSDC serves the scientific community, by promoting dissemination and exploitation of high-quality data products related to space.

UNIVERSITY OF PADOVA ITALY



Dipartimento
di Fisica
e Astronomia
Galileo Galilei

UNIVERSITÀ DEGLI STUDI DI PADOVA

www.dfa.unipd.it

Founded in 1222, Padova University is among the foremost Italian universities, in terms of research, size and of educational quality. It is composed of 43 Research and Service Centres across the spectrum of sciences, medicine, social sciences and humanities. The Department of Physics and Astronomy provides

scientific and technical expertise on many of the principal fields of the modern physics and astronomy. The partner makes available the Copernicus 1.82 m and the Galileo 1.20 m telescopes, both located at the Asiago Observatory (Italy).



<http://lesia.obspm.fr>

LESIA-OBSERVATOIRE DE PARIS FRANCE

Paris Observatory is a national research centre in astronomy and astrophysics. It is the largest astronomy centre in France and is structured into 5 laboratories, 1 scientific unit and 1 institute covering all fields of astronomy and astrophysics. LESIA's scientific activities cover four research



themes: Planetology, Astronomy, Plasma Physics and Solar Physics. Planetology includes physical characterization of the small bodies of the Solar System.

ObsPM makes available a 1-m telescope located at the at the Pic du Midi observatory (France).

www.oca.eu

OBSERVATOIRE DE LA COTE D'AZUR FRANCE

OCA is an astronomical observatory and public administrative institution, with 450 staff located in four sites. OCA is one of 25 French astronomical observatories responsible for the continuous and systematic collection of observational data on the Earth and the Universe.

The Theories and Observations in Planetology team



work on topics such as collisional processes between small bodies, discovery and characterisation of small bodies, impact hazard mitigation, origin and evolution of planetary systems, formation of the Solar System and exoplanets.

www.roe.ac.uk

UNIVERSITY OF EDINBURGH UNITED KINGDOM

The University of Edinburgh is a large research-focused university. Founded in 1582, it is one of the oldest universities in the English-speaking world. The Institute for Astronomy, within the School of Physics and Astronomy, is one of the largest astronomy groups in the UK, based at the Royal Observatory Edinburgh. The institute has particular



THE UNIVERSITY
of EDINBURGH

strengths in large astronomical surveys, with a great deal of expertise in image processing software. Through University of Edinburgh, member of the 'MiNSTEP' consortium, NEOROCKS has access to the 1.54m Danish telescope at La Silla Observatory, Chile.



ASTRONOMICAL INSTITUTE OF THE CZECH ACADEMY OF SCIENCES CZECH REPUBLIC



The Astronomical Institute of the Academy of Sciences of the Czech Republic is the leading institution in astronomical and astrophysical research in the Czech Republic.

Research covers 4 scientific departments (Solar, Stellar, Interplanetary Matter, Galaxies and Planetary Systems). One key activity is the study of asteroids and meteors that represent a certain hazard for

humankind. They focus on physical characterisation of the small bodies and understanding their formation and evolutionary processes, with an emphasis on their impacts on the Earth and its atmosphere.

Thanks to ASU, NEOROCKS has access to the 1.54m Danish telescope at La Silla station of the European Southern Observatory, Chile.

www.asu.cas.cz

INSTITUTO DE ASTROFISICA DE CANARIAS SPAIN



The Instituto de Astrofísica de Canarias is an internationalised research centre aiming to achieve major advances in the understanding of the laws that govern the origin and evolution of the various forms of matter/energy in the Universe.

Researchers in the Solar System Group study the physical and compositional properties of near-Earth

asteroids, in particular those that are accessible to spacecraft and considered as potentially hazardous. IAC has two Observatories: Observatorio del Roque de los Muchachos (La Palma) and Observatorio del Teide (Tenerife), home to a complete variety of telescopes and instruments, of sizes.

www.iac.es

SPACEDYS ITALY



SpaceDyS is a spin-off of the Celestial Mechanics Group of the University of Pisa. SpaceDyS team of experienced researchers in have backgrounds in Mathematics, Physics, Astronomy and advanced skills in Flight Dynamics, Mission Design and Computer Science.

SpaceDyS's expertise focuses on orbit determination

of Main Belt Asteroids, of NEOs and of space debris objects, data processing and management of data centers, satellite re-entry and gravimetry experiments in space missions.

The SpaceDyS team manages and maintains the web services NEODyS and AstDyS.

www.spacedys.com



DEIMOS GROUP SPAIN & ROMANIA



NEOROCKS involves three branches of the DEIMOS group.

DEIMOS Space S.L.U. has long expertise in space programmes, in fields related to Ground Segment Software, Flight Dynamics, GNSS, Satellite Systems and SSA.

DEIMOS Space S.R.L. has developed software for space situational awareness (SSA), ground segment

and flight segment systems.

DEIMOS Castilla La Mancha focuses on integration of satellite systems, operations of satellites and telescope observations and processing in the NEO and SST Fields. DCM operates the DEIMOS Sky Survey Observatory, located in the South of Spain, with four telescopes.

www.deimos-space.com

NEOSPACE POLAND



NEOSpace was established in response to the Polish Space Strategy guidelines that consider SSA as one of the most important fields of involvement of the Polish space sector. The company focuses on NEO (data acquisition, processing and dissemination). The company also takes on activities that require

deep knowledge of celestial mechanics and orbit calculations, as well as programming skills. NEOSpace's shareholders all of them have a PhD in physics or astronomy and 3 in particular have dedicated their scientific careers to asteroid dynamics and physics

www.neospace.pl

RESOLVO ITALY



Resolvo specialises in cooperation to promote responsible economic development. Resolvo is expert in designing and implementing communication strategies for European projects. They are committed to communication of research results to the wider public.

Resolvo's staff are trained in business plan development and exploitation of research results. They have extensive knowledge and expertise on the concept of Responsible Research and Innovation, which runs through the NEOROCKS project activities.

www.resolvo.eu

