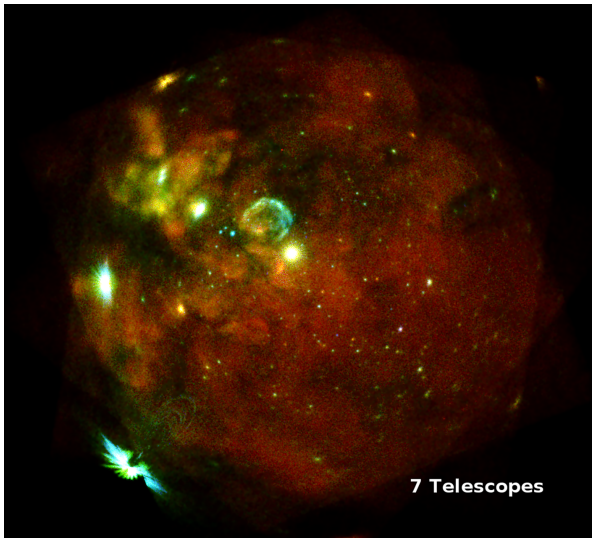
Media Lario S.r.l. announces eROSITA X-ray Space Telescope 'first-light'

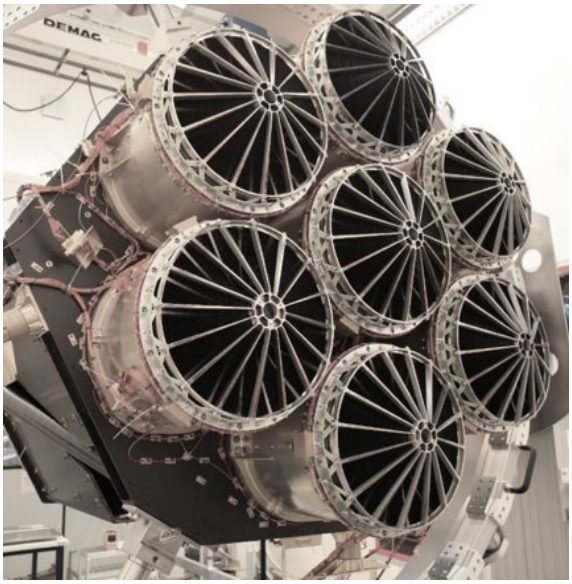
Bosisio Parini, Italy, 22 October, 2019 – Media Lario S.r.l., today announces 'first-light' on the eROSITA X-ray telescope utilising Media Lario Repli-Formed Optics™. The very first X-Ray images were taken of a neighbouring galaxy, the Large Magellanic Cloud.

The eROSITA is a high resolution X-Ray Space Telescope aboard the Russo-German Spektrum-RG mission and is the next step in large-scale astronomical research of the Universe. It is also the latest in a long line of X-Ray telescopes to be built with Media Lario optical technology. Previous missions include Beppo-Sax (Italian Space Agency ASI), SWIFT (NASA, ASI) and the XMM-Newton (ESA).

Launched on 13 July 2019, the eROSITA telescope completed its 1.5 million kilometre journey to its target orbit known as the Lagrange Point Two (L2). With its seven optical modules, each composed of 54 Repli-Formed™ mirrors supplied by Media Lario, eROSITA will further scientific understanding of the history of the universe by mapping it in the X-Ray band during its four-year search for dark matter and dark energy.



The Large Magellanic Cloud observed with eROSITA telescope (credits F.Haberl, M. Freyberg and C. Maitra, MPE/IKI)



eROSITA Telescope optics (credits MPE)

Since its foundation 26 years ago, Media Lario has been actively contributing to astronomical research, supporting leading space agencies and research institutes with its products and technologies. The company's technology was recently used in obtaining the first image of a black hole utilizing the LMT Telescope in Sierra Negra Mexico as well as the ALMA Telescope Array in Atacama Chile as well as for the discovery of the missing Baryonic matter in the universe with the XMM-Newton Space Telescope. Media Lario technology has also recently been selected for the newest ESA Space Telescope known as ATHENA.

Jeff Lyons, CEO of Media Lario, said, "We send or congratulations to the eROSITA team at Max Planck Institute for Extraterrestrial Physics for this great success and we thank them again for the opportunity to be a part of this great collaboration for scientific discovery."

Media Lario is located north of the industrial hub of Milan, Italy, in the region of Lombardia and Lake Como, an area rich with opto-mechanical expertise and experience in the precision optical industry.

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For more information about the eROSITA mission, please visit https://www.mpe.mpg.de/eROSITA
For more information on Media Lario, please visit http://www.medialario.com/