

1. Record Nr.	UNINA9910951902703321
Autore	Verseux Cyprien
Titolo	Mars and the Earthlings: A Realistic View on Mars Exploration and Settlement // edited by Cyprien Verseux, Muriel Gargaud, Kirsi Lehto, Michel Viso
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031668814 9783031668807
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (577 pages)
Collana	Space and Society, , 2199-3890
Altri autori (Persone)	GargaudMuriel LehtoKirsi VisoMichel
Disciplina	523.43
Soggetti	Outer space - Exploration Astronautics Social structure Equality Welfare economics Public law Exobiology Quality of life Space Exploration and Astronautics Social Structure Social Economy Public Law Astrobiology Quality of Life Research
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Mars in Short -- Robotic missions to Mars -- Historical and ethical context Past present and imagination -- Legal and international context Law and Disorder -- Perspectives for crewed missions to Mars in orbit exploration and/or short stay -- Mars as a science base toward

a small permanent outpost -- Toward permanent settlements on Mars from 1000 to 100000 -- Use Mars as a planet B -- Science and fiction What is realistic.

---

## Sommario/riassunto

In an era of public Mars fascination, this book offers an objective presentation of the challenges of crewed Mars missions and discusses scenarios of Mars settlements under scientific, technical, social, economic, ethical and political aspects. With the aim to make the reader comprehend what is plausible and what is at stake, the book tries to clarify misconceptions and half-truths spreading rapidly in the public. The authors argue that approximations and misinformation should be countered for two main reasons. First, to avoid missing out on the benefits that Mars exploration may bring, including major scientific discoveries and an inspiring, federative human endeavor. Second, to remediate dangerous delusions – such as the idea that humanity could be transferred there should the Earth become inhabitable in the near term. In preparation for this book a group of European, world-renowned scientists from fields as diverse as astronomy, planetology, geology, biology, philosophy, or economics, as well as astronauts and science-fiction writers, was gathered to discuss Mars missions ranging from near-term robotic missions, all the way to large-scale settlements and even the feasibility of terraforming. For each, they draw arguments from their domains of expertise to discuss what is feasible and what is desirable. The result provides researchers with an objective review of the field, policy makers with a reference to make informed decisions, and the general public with a tool to form educated opinions.

---