Contents

Acknowledgements vi
Dedication vii

Di Capua, G., Bobrowsky, P. T., Kieffer, S. W. and Palinkas, C. Introduction: geoethics goes beyond the geoscience profession 1

Peppoloni, S. and Di Capua, G. Geoethics as global ethics to face grand challenges for humanity 13

Bohle, M. Geo-societal sense-making 31

Keane, C. M. and Asher, P. Addressing the geoethics skills gap through co-curricular approaches 47

Cronin, V. S. Geoethics as a common thread that can bind a geoscience department together 55

Mogk, D. W. The intersection of geoethics and diversity in the geosciences 67

Bonham, O. and Waldie, A. Geoscience, ethics and enforcement 101


Fernández-Fuentes, I., Correia, V. and Neumann, M. The importance of professional regulation of geoscientists and their role in a fast-changing world 125

Ovadia, D. C. and O'Connor, E. A. International geoscience cooperation – fair and equitable? 137

Boon, J. A. Sociology for mineral exploration 149

Bilham, N. T. Responsible mining and responsible sourcing of minerals: opportunities and challenges for cooperation across value chains 161

Mudd, G. M. Sustainable/responsible mining and ethical issues related to the Sustainable Development Goals 187

Groenfeldt, D. Ethical considerations in managing the hydrosphere: an overview of water ethics 201

Bellaubi, F. and Arasa, A. Geoethics in groundwater management: the geoethical dilemma in La Galera aquifer, Spain 213

Oboni, F. and Oboni, C. H. Holistic geoethical slope portfolio risk assessment 225

Cerase, A. From ‘good’ intentions to principled practices and beyond: ethical issues in risk communication 245

Stewart, I. S. and Hurth, V. Selling planet Earth: re-purposing geoscience communications 265

Wuebbles, D. J. Ethics in climate change: a climate scientist’s perspective 285

McLean, M. R. Reaching out from Earth to the stars 297

Index 303