

# Contents

Foreword by Jet Bussemaker, Minister of Education, Culture and Science	9
Introduction <i>Beatrice de Graaf, Henk Molenaar, and Alexander Rinnooy Kan</i>	11
The Art and Science of Asking Questions <i>José van Dijk</i>	19
A Plurality of Voices The Dutch National Research Agenda in Dispute <i>Henk Molenaar</i>	31
National Research Agendas An International Comparison <i>Wim de Haas</i>	47
The Role of Universities of Applied Sciences in Implementing the Dutch National Research Agenda <i>Daan Andriessen and Marieke Schuurmans</i>	61
Steering Scientific Research and Reaping its Benefits Reflections on Dutch Science Policy <i>Coenraad Krijger and Maarten Prak</i>	75
Managing what Cannot be Managed On the Possibility of Science Policy <i>Barend van der Meulen</i>	87
The Art of Making Connections <i>Ed Brinksma</i>	101
Too Big to Innovate? The Sense and Nonsense of Big Programmatic Research <i>Brian Burgoon, Marieke de Goede, Marlies Glasius, and Eric Schliesser</i>	121

The Art of Asking Questions, and why Scientists Are Better at it <i>Herman van de Werfhorst</i>	137
Skip the Agenda Building Let the Wisdom of the Crowd Drive a Dynamic Tapestry of Science <i>Marten Scheffer and Johan Bollen</i>	147
An Economic Perspective on the Dutch National Research Agenda <i>Roel van Elk and Bas ter Weel</i>	155
What is the Good of Government Interference in Science? A Question from Late Nineteenth-Century Germany <i>Herman Paul</i>	167
Free-range Poultry Holdings Living the Academic Life in a Context of Normative Uncertainty <i>Beatrice de Graaf</i>	181
A National Research Agenda and the Self-understanding of Modern Universities <i>Rutger Claassen and Marcus Düwell</i>	193
No University without Diversity The Dynamic Ecosystem of Scientific and Social Innovation <i>André Knottnerus</i>	209
Inspiration <i>Louise Gunning-Schepers</i>	221
Process of Developing the Dutch National Research Agenda	225
Index	239

## List of Tables and Figures

### Tables

Table 1	Characterisation of innovation policy in several countries	49
Table 2	National research prioritization: characterization for fifteen countries	51
Table 3	Prioritized themes in national research agendas (in italics: themes mentioned five times or more; bold: some notable research themes, for various reasons)	53
Table 4	Process of development and implementation of national research agendas	55
Table 1	Key figures for Dutch universities of applied science (2014)	62

### Figures

Figure 1	The linear model	103
Figure 2	Stokes' quadrants	105
Figure 3	Stokes' dynamic model	107
Figure 4	Extension of the Stokes model	109
Figure 5	Squaring the golden triangle	116

