

The Rightful Place of Science: Science on the Verge

Contributors

Alice Benessia

Silvio Funtowicz

Mario Giampietro

Ângela Guimarães Pereira

Jerome Ravetz

Andrea Saltelli

Roger Strand

Jeroen P. van der Sluijs

Consortium for Science, Policy & Outcomes
Tempe, AZ and Washington, DC

THE RIGHTFUL PLACE OF SCIENCE:
Science on the Verge

Copyright © 2016
Consortium for Science, Policy & Outcomes
Arizona State University

All rights reserved. Printed in Charleston, South Carolina.

The Rightful Place of Science series explores the complex interactions among science, technology, politics, and the human condition.

For information on the Rightful Place of Science series,
write to: Consortium for Science, Policy & Outcomes
PO Box 875603, Tempe, AZ 85287-5603
Or visit: <http://www.cspo.org>

Model citation for this volume:

Benessia, A., Funtowicz, S., Giampietro, M., Guimarães Pereira, Â., Ravetz, J., Saltelli, A., Strand, R., and van der Sluijs, J. P. 2016. *The Rightful Place of Science: Science on the Verge*. Tempe, AZ: Consortium for Science, Policy & Outcomes.

Other volumes in this series:

Pielke, Jr., R. 2014. *The Rightful Place of Science: Disasters and Climate Change*. Tempe, AZ: Consortium for Science, Policy & Outcomes.

Zurilnik, M. L., et al. *The Rightful Place of Science: Creative Non-fiction*. Tempe, AZ: Consortium for Science, Policy & Outcomes.

ISBN: 0692596380

ISBN-13: 978-0692596388

LCCN: 2016932268

FIRST EDITION, MARCH 2016

CONTENTS

| | |
|---|-----|
| Preface | i |
| Foreword <i>Daniel Sarewitz</i> | iii |
| 1 Who Will Solve the Crisis in Science? <i>Andrea Saltelli, Jerome Ravetz and Silvio Funtowicz</i> | 1 |
| 2 The Fallacy of Evidence-Based Policy <i>Andrea Saltelli and Mario Giampietro</i> | 31 |
| 3 Never Late, Never Lost, Never Unprepared <i>Alice Benessia and Silvio Funtowicz</i> | 71 |
| 4 Institutions on the Verge: Working at the Science Policy Interface <i>Ângela Guimarães Pereira and Andrea Saltelli</i> | 115 |
| 5 Numbers Running Wild <i>Jeroen P. van der Sluijs</i> | 151 |
| 6 Doubt has been Eliminated <i>Roger Strand</i> | 189 |
| About the Authors | 209 |