

Contents

Acknowledgments	vii
Abbreviations	ix
Preventive Measures: An Overview	1
<i>John L. Davies and Ted Robert Gurr</i>	
I. Structural Indicators and Risk Assessment Models	
1. A Risk Assessment Model of Ethnopolitical Rebellion	15
<i>Ted Robert Gurr</i>	
2. The State Failure Project: Early Warning Research for U.S. Foreign Policy Planning	27
<i>Daniel C. Esty, Jack Goldstone, Ted Robert Gurr, Barbara Harff, Pamela T. Surko, Alan N. Unger, and Robert S. Chen</i>	
3. Indicator Development: Issues in Forecasting Conflict Escalation	39
<i>Alex P. Schmid</i>	
4. Early Warning Indicators of Forced Migration	56
<i>Susanne Schmeidl and J. Craig Jenkins</i>	
II. Dynamic Indicators and Early Warning Models	
5. Early Warning of Humanitarian Crises: Sequential Models and the Role of Accelerators	70
<i>Barbara Harff</i>	
6. Dynamic Data for Conflict Early Warning	79
<i>John L. Davies and Barbara Harff, with Anne L. Speca</i>	
7. Cluster Analysis as an Early Warning Technique for the Middle East	95
<i>Philip A. Schrodtt and Deborah J. Gerner</i>	
8. Timely Conflict Risk Assessments and the PANDA Project	108
<i>Doug Bond</i>	
9. A Pattern Recognition Approach to Conflict Early Warning	121
<i>Peter Brecke</i>	

III. Specialized Models and Applications

- | | | |
|-----|--|-----|
| 10. | Early Warning of Environmentally Caused Conflicts | 131 |
| | <i>Günther Baechler</i> | |
| 11. | An Expert System for Assessing Vulnerability to Instability | 142 |
| | <i>Grace I. Scarborough</i> | |
| 12. | The FUGI Model as a Global Early Warning System for Refugees | 159 |
| | <i>Akira Onishi</i> | |
| 13. | Human Rights Abuses and Arms Trafficking in Central Africa | 174 |
| | <i>Joost R. Hiltermann</i> | |
| 14. | FAST: A Pilot Study for an Early Warning System for the Swiss Foreign Ministry | 181 |
| | <i>Andreas V. Kohlschütter and Günther Baechler</i> | |

IV. Public Sector Information and Early Warning Systems

- | | | |
|-----|--|-----|
| 15. | The Global Information and Early Warning System on Food and Agriculture | 185 |
| | <i>Abdur Rashid</i> | |
| 16. | USAID's Famine Early Warning System | 194 |
| | <i>William P. Whelan</i> | |
| 17. | The Humanitarian Early Warning System: From Concept to Practice | 203 |
| | <i>Adeel Ahmed and Elizabeth Voulieris Kassinis</i> | |
| 18. | ReliefWeb: An International Information Management Tool | 212 |
| | <i>Dennis King</i> | |
| 19. | The Role of Early Warning in the Office of the UN High Commissioner for Refugees | 219 |
| | <i>Andrei Dmitrichev</i> | |

V. From Early Warning to Early Response

- | | | |
|-----|---|-----|
| 20. | Toward Response-Oriented Early Warning Analysis | 230 |
| | <i>John G. Cockell</i> | |
| 21. | Information Sharing and Early Warning | 241 |
| | <i>Charles J. Jefferson</i> | |
| 22. | Early Warning: An Action Agenda | 248 |
| | <i>Donald Krumm</i> | |

References	255
-------------------	-----

List of Open Access Early Warning Projects	267
---	-----

Index	281
--------------	-----

About the Contributors	287
-------------------------------	-----