

CONTENTS

1. INTRODUCTION TO UNIDO TECHNOLOGY FORESIGHT TRAINING PROGRAMME	5
2. INTRODUCTION TO TECHNOLOGY FORESIGHT METHODS	5
2.1 OVERVIEW OF FORESIGHT METHODS	6
2.1.1 CREATING VISIONS	7
2.1.2 THE DEBATE CONCERNING QUALITATIVE AND QUANTITATIVE APPROACHES	10
3. ROADMAPPING	11
3.1 INTRODUCTION TO ROADMAPPING – BACKGROUND AND EVOLUTION	11
3.2 VISUAL PRESENTATION	13
3.3 ROADMAP IMPLEMENTATION	16
3.3.1 PLANNING FOR ROADMAPPING	16
3.3.2 ROADMAPPING SUCCESS FACTORS	17
3.4 T-PLAN AND S-PLAN FAST-START WORKSHOP APPROACHES	17
3.4.1 THE ROLE OF WORKSHOPS	17
3.4.2 T-PLAN AND S-PLAN FAST-START WORKSHOP METHODS	18
3.5 CONCLUSIONS	19
4. STEPS FOR DEVELOPING ROADMAPS	20
STEP 1: STRATEGIC LANDSCAPE	20
STEP 2: OPPORTUNITY/CHALLENGE EXPLORATION	21
STEP 3: PLANNING FOR ROADMAPPING	23
STEP 4: DEVELOPING A STRATEGIC NARRATIVE	23
5. BIBLIOGRAPHY	28
6. ABOUT THE AUTHORS	29
ANNEX 1: CASE STUDIES	30
PRINTING – DEVELOPING PRODUCT-TECHNOLOGY ROADMAPS	30
PACKAGING – ALIGNING CORPORATE RESEARCH WITH BUSINESS GOALS	32
AUTOMOTIVE SECTOR – RESEARCH PRIORITIES AND NETWORK DEVELOPMENT	34
MEASUREMENT SCIENCE – NATIONAL RESEARCH PRIORITIES FOR EMERGING TECHNOLOGY...	36