

Contents

Page

Executive summary	3
Foreword	7
Introduction	8
1 Scope	10
2 Normative references	10
3 Terms and definitions	10
3.1 Terms relating to types and classifications of water	10
3.2 Terms relating to water	12
3.3 Terms relating to life cycle assessment and water footprint assessment	13
3.4 Terms relating to interpretation and reporting of water footprint results	16
3.5 Terms relating to products, product systems, processes and organizations	16
3.6 Terms relating to data and data quality	18
4 Principles	19
4.1 General	19
4.2 Life cycle perspective	19
4.3 Environmental focus	20
4.4 Relative approach and functional unit	20
4.5 Iterative approach	20
4.6 Transparency	20
4.7 Relevance	20
4.8 Completeness	20
4.9 Consistency	20
4.10 Accuracy	20
4.11 Priority of scientific approach	20
4.12 Geographical relevance	21
4.13 Comprehensiveness	21
5 Methodological framework	21
5.1 General requirements	21
5.2 Goal and scope definition	22
5.3 Water footprint inventory analysis	27
5.4 Water footprint impact assessment	33
5.5 Interpretation of the results	37
5.6 Limitations of water footprint	38
6 Reporting	39
6.1 General	39
6.2 Additional requirements and guidance for third-party reports	39
6.3 Comparative assertion and comparative studies	42
7 Critical review	43
7.1 General	43
7.2 Need for critical review	43
7.3 Critical review by internal or external expert	44
7.4 Critical review by panel of interested parties	44
Annex A (normative) Additional requirements and guidelines for organizations	45
Bibliography	47