

# DIN EN 15643:2021-12 (E)

## Sustainability of construction works - Framework for assessment of buildings and civil engineering works

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Introduction .....		5
1	Scope .....	9
2	Normative references .....	9
3	Terms and definitions .....	10
4	Principles .....	27
4.1	General .....	27
4.2	Objectives of sustainability assessment of construction works .....	28
4.3	Approach to assessment of sustainability .....	28
4.4	Relevance of technical and functional requirements .....	28
4.5	Consideration of the construction works life cycle .....	28
4.6	Assessment of aspects and impacts related to the buildings and civil engineering works .....	29
4.7	Considerations for sustainable refurbishment of existing construction works as alternative to new construction .....	29
5	Requirements for assessment methods .....	29
5.1	General .....	29
5.2	Object of assessment and the system boundary .....	29
5.3	Functional equivalent .....	30
5.4	Type of data and their assignment to the construction works life cycle .....	31
5.4.1	Assignment of data to the construction works life cycle .....	31
5.4.2	Reference study period .....	31
5.4.3	Aspects and impacts specific to the construction works .....	31
5.4.4	Scenarios .....	34
5.5	Requirements for data quality .....	34
5.6	Requirements for verification .....	34
5.7	Transparency of the assessment methods .....	34
5.8	Requirements for reporting and communication .....	35
5.8.1	General .....	35
5.8.2	Results of the assessment .....	35
5.8.3	Environmental, social and economic requirements from regulations and client's brief .....	38
5.8.4	Technical and functional characteristics .....	38
6	Requirements for assessment methods of environmental, social and economic performance of construction works .....	39
6.1	Overview of the methodology for assessment of environmental, social and economic performance of buildings and civil engineering works .....	39
6.2	Categories of environmental aspects .....	40
6.3	Categories of social aspects .....	40
6.4	Categories of economic aspects .....	41
Bibliography .....		42